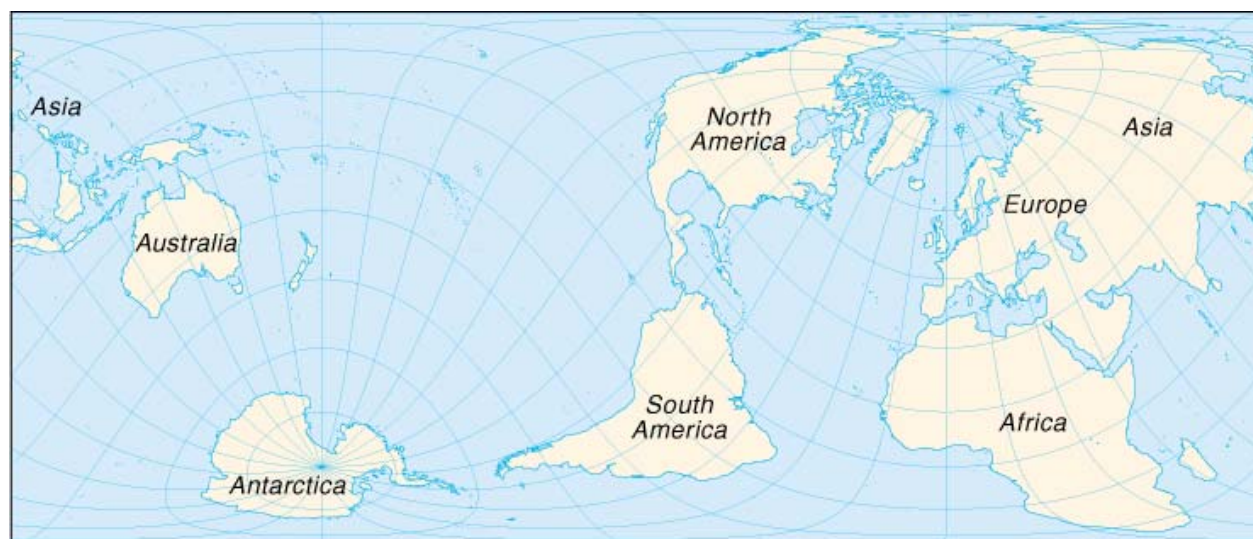


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# The 2006-2011 World Outlook for Aluminum



by

**Professor Philip M. Parker, Ph.D.**

Eli Lilly Chaired Professor of Business, Innovation and Society  
INSEAD (Singapore and Fontainebleau, France)

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## About this Series

This series was created for international firms who rely on foreign markets for a substantial portion of their business or who might be threatened by international competition. The estimates given in this report were created using a methodology developed by and implemented under the direct supervision of Professor Philip M. Parker, the Eli Lilly Chaired Professor of Innovation, Business and Society, at INSEAD. The methodology relies on historical figures across countries. Reported figures should be seen as estimates of past and future levels of latent demand.

## Acknowledgements

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## 1 INTRODUCTION

### 1.1 OVERVIEW

This study covers the world outlook for aluminum across more than 200 countries. For each year reported, estimates are given for the *latent demand*, or *potential industry earnings (P.I.E.)*, for the country in question (in millions of U.S. dollars), the percent share the country is of the region and of the globe. These comparative benchmarks allow the reader to quickly gauge a country vis-à-vis others. Using econometric models which project fundamental economic dynamics within each country and across countries, latent demand estimates are created. This report does not discuss the specific players in the market serving the latent demand, nor specific details at the product level. The study also does not consider short-term cyclicalities that might affect realized sales. The study, therefore, is strategic in nature, taking an aggregate and long-run view, irrespective of the players or products involved.

This study does not report actual sales data (which are simply unavailable, in a comparable or consistent manner in virtually all of the 230 countries of the world). This study gives, however, my estimates for the worldwide latent demand, or the P.I.E., for aluminum. It also shows how the P.I.E. is divided across the world's regional and national markets. For each country, I also show my estimates of how the P.I.E. grows over time (positive or negative growth). In order to make these estimates, a multi-stage methodology was employed that is often taught in courses on international strategic planning at graduate schools of business.

### 1.2 WHAT IS LATENT DEMAND AND THE P.I.E.?

The concept of *latent demand* is rather subtle. The term *latent* typically refers to something that is dormant, not observable, or not yet realized. *Demand* is the notion of an economic quantity that a target population or market requires under different assumptions of price, quality, and distribution, among other factors. Latent demand, therefore, is commonly defined by economists as the industry earnings of a market when that market becomes accessible and attractive to serve by competing firms. It is a measure, therefore, of *potential* industry earnings (P.I.E.) or total revenues (not profit) if a market is served in an efficient manner. It is typically expressed as the total revenues potentially extracted by firms. The “market” is defined at a given level in the value chain. There can be latent demand at the retail level, at the wholesale level, the manufacturing level, and the raw materials level (the P.I.E. of higher levels of the value chain being always smaller than the P.I.E. of levels at lower levels of the same value chain, assuming all levels maintain minimum profitability).

The latent demand for aluminum is not actual or historic sales. Nor is latent demand future sales. In fact, latent demand can be lower either lower or higher than actual sales if a market is inefficient (i.e., not representative of relatively competitive levels). Inefficiencies arise from a number of factors, including the lack of international openness, cultural barriers to consumption, regulations, and cartel-like behavior on the part of firms. In general, however, latent demand is typically larger than actual sales in a country market.

For reasons discussed later, this report does not consider the notion of “unit quantities”, only total latent revenues (i.e., a calculation of price times quantity is never made, though one is implied). The units used in this report are U.S. dollars not adjusted for inflation (i.e., the figures incorporate inflationary trends) and not adjusted for future dynamics in exchange rates (i.e., the figures reflect average exchange rates over recent history). If inflation rates or exchange rates vary in a substantial way compared to recent experience, actually sales can also exceed latent demand (when expressed in U.S. dollars, not adjusted for inflation). On the other hand, latent demand can be typically higher than actual sales as there are often distribution inefficiencies that reduce actual sales below the level of latent demand.

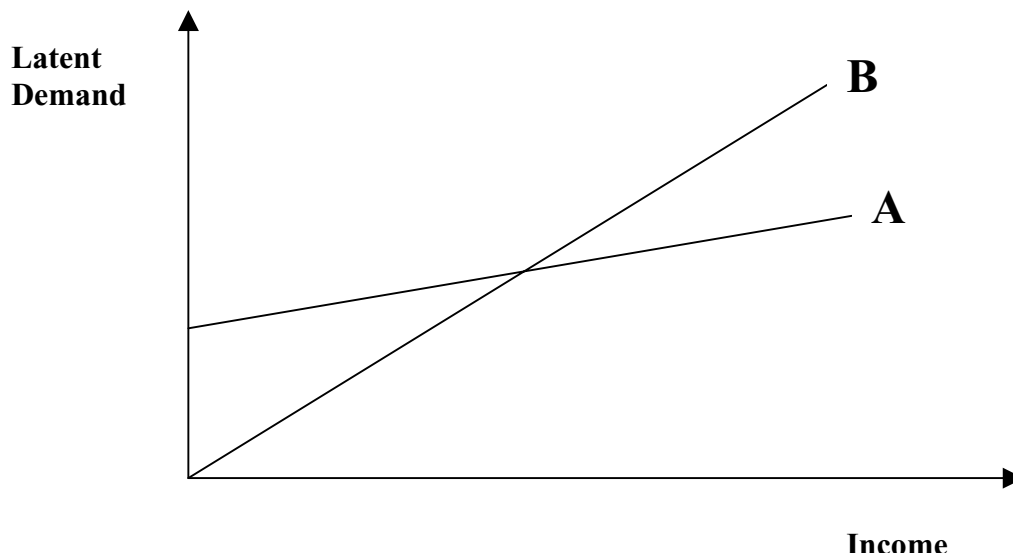
As mentioned in the introduction, this study is strategic in nature, taking an aggregate and long-run view, irrespective of the players or products involved. If fact, all the current products or services on the market can cease to exist in their present form (i.e., at a brand-, R&D specification, or corporate-image level) and all the players can be replaced

by other firms (i.e., via exits, entries, mergers, bankruptcies, etc.), and there will still be an international latent demand for aluminum at the aggregate level. Product and service offering details, and the actual identity of the players involved, while important for certain issues, are relatively unimportant for estimates of latent demand.

### 1.3 THE METHODOLOGY

In order to estimate the latent demand for aluminum on a worldwide basis, I used a multi-stage approach. Before applying the approach, one needs a basic theory from which such estimates are created. In this case, I heavily rely on the use of certain basic economic assumptions. In particular, there is an assumption governing the shape and type of aggregate latent demand functions. Latent demand functions relate the income of a country, city, state, household, or individual to realized consumption. Latent demand (often realized as consumption when an industry is efficient), at any level of the value chain, takes place if an equilibrium in realized. For firms to serve a market, they must perceive a latent demand and be able to serve that demand at a minimal return. The single most important variable determining consumption, assuming latent demand exists, is income (or other financial resources at higher levels of the value chain). Other factors that can pivot or shape demand curves include external or exogenous shocks (i.e., business cycles), and or changes in utility for the product in question.

Ignoring, for the moment, exogenous shocks and variations in utility across countries, the aggregate relation between income and consumption has been a central theme in economics. The figure below concisely summarizes one aspect of problem. In the 1930s, John Meynard Keynes conjectured that as incomes rise, the average propensity to consume would fall. The average propensity to consume is the level of consumption divided by the level of income, or the slope of the line from the origin to the consumption function. He estimated this relationship empirically and found it to be true in the short-run (mostly based on cross-sectional data). The higher the income, the lower the average propensity to consume. This type of consumption function is labeled "A" in the figure below (note the rather flat slope of the curve). In the 1940s, another macroeconomist, Simon Kuznets, estimated long-run consumption functions which indicated that the marginal propensity to consume was rather constant (using time series data across countries). This type of consumption function is show as "B" in the figure below (note the higher slope and zero-zero intercept).<sup>1</sup> The average propensity to consume is constant.



<sup>1</sup> For a general overview of this subject area, see *Principles of Macroeconomics* by N. Gregory Mankiw, South-Western College Publishing; ISBN: 0030340594; 2nd edition (February 2002).

Is it declining or is it constant? A number of other economists, notably Franco Modigliani and Milton Friedman, in the 1950s (and Irving Fisher earlier), explained why the two functions were different using various assumptions on intertemporal budget constraints, savings, and wealth. The shorter the time horizon, the more consumption can depend on wealth (earned in previous years) and business cycles. In the long-run, however, the propensity to consume is more constant. Similarly, in the long run, households, industries or countries with no income eventually have no consumption (wealth is depleted). While the debate surrounding beliefs about how income and consumption are related and interesting, in this study a very particular school of thought is adopted. In particular, we are considering the latent demand for aluminum across some 230 countries. The smallest have fewer than 10,000 inhabitants. I assume that all of these countries fall along a "long-run" aggregate consumption function. This long-run function applies despite some of these countries having wealth, current income dominates the latent demand for aluminum. So, latent demand in the long-run has a zero intercept. However, I allow firms to have different propensities to consume (including being on consumption functions with differing slopes, which can account for differences in industrial organization, and end-user preferences).

Given this overriding philosophy, I will now describe the methodology used to create the latent demand estimates for aluminum. Since ICON Group has asked me to apply this methodology to a large number of categories, the rather academic discussion below is general and can be applied to a wide variety of categories, not just aluminum.

### 1.3.1 Step 1. Product Definition and Data Collection

Any study of latent demand across countries requires that some standard be established to define "efficiently served". Having implemented various alternatives and matched these with market outcomes, I have found that the optimal approach is to assume that certain key countries are more likely to be at or near efficiency than others. These countries are given greater weight than others in the estimation of latent demand compared to other countries for which no known data are available. Of the many alternatives, I have found the assumption that the world's highest aggregate income and highest income-per-capita markets reflect the best standards for "efficiency". High aggregate income alone is not sufficient (i.e., China has high aggregate income, but low income per capita and can not assumed to be efficient). Aggregate income can be operationalized in a number of ways, including gross domestic product (for industrial categories), or total disposable income (for household categories; population times average income per capita, or number of households times average household income per capita). Brunei, Nauru, Kuwait, and Lichtenstein are examples of countries with high income per capita, but not assumed to be efficient, given low aggregate level of income (or gross domestic product); these countries have, however, high incomes per capita but may not benefit from the efficiencies derived from economies of scale associated with large economies. Only countries with high income per capita and large aggregate income are assumed efficient. This greatly restricts the pool of countries to those in the OECD (Organization for Economic Cooperation and Development), like the United States, or the United Kingdom (which were earlier than other large OECD economies to liberalize their markets).

The selection of countries is further reduced by the fact that not all countries in the OECD report industry revenues at the category level. Countries that typically have ample data at the aggregate level that meet the efficiency criteria include the United States, the United Kingdom and in some cases France and Germany.

Latent demand is therefore estimated using data collected for relatively efficient markets from independent data sources (e.g. Euromonitor, Mintel, Thomson Financial Services, the U.S. Industrial Outlook, the World Resources Institute, the Organization for Economic Cooperation and Development, various agencies from the United Nations, industry trade associations, the International Monetary Fund, and the World Bank). Depending on original data sources used, the definition of "aluminum" is established. In the case of this report, the data were reported at the aggregate level, with no further breakdown or definition. In other words, any potential product or service that might be incorporated within aluminum falls under this category. Public sources rarely report data at the disaggregated level in order to protect private information from individual firms that might dominate a specific product-market. These sources will therefore aggregate across components of a category and report only the aggregate to the public. While private data are certainly available, this report only relies on public data at the aggregate level without reliance on the summation of various category components. In other words, this report does not aggregate a number of

components to arrive at the “whole”. Rather, it starts with the “whole”, and estimates the whole for all countries and the world at large (without needing to know the specific parts that went into the whole in the first place).

Given this caveat, this study covers “aluminum” as defined by the North American Industrial Classification system or NAICS (pronounced “nakes”). For a complete definition of aluminum, please refer to the Web site at <http://www.icongrouponline.com/codes/NAICS.html>. The NAICS code for aluminum is 3329960203. It is for this definition of aluminum that the aggregate latent demand estimates are derived. “Aluminum” is specifically defined as follows:

### 1.3.2 Step 2. Filtering and Smoothing

Based on the aggregate view of aluminum as defined above, data were then collected for as many similar countries as possible for that same definition, at the same level of the value chain. This generates a convenience sample of countries from which comparable figures are available. If the series in question do not reflect the same accounting period, then adjustments are made. In order to eliminate short-term effects of business cycles, the series are smoothed using an 2 year moving average weighting scheme (longer weighting schemes do not substantially change the results). If data are available for a country, but these reflect short-run aberrations due to exogenous shocks (such as would be the case of beef sales in a country stricken with foot and mouth disease), these observations were dropped or “filtered” from the analysis.

### 1.3.3 Step 3. Filling in Missing Values

In some cases, data are available for countries on a sporadic basis. In other cases, data from a country may be available for only one year. From a Bayesian perspective, these observations should be given greatest weight in estimating missing years. Assuming that other factors are held constant, the missing years are extrapolated using changes and growth in aggregate national income. Based on the overriding philosophy of a long-run consumption function (defined earlier), countries which have missing data for any given year, are estimated based on historical dynamics of aggregate income for that country.<sup>2</sup>

### 1.3.4 Step 4. Varying Parameter, Non-linear Estimation

Given the data available from the first three steps, the latent demand in additional countries is estimated using a “varying-parameter cross-sectionally pooled time series model”.<sup>3</sup> Simply stated, the effect of income on latent demand is assumed to be constant across countries unless there is empirical evidence to suggest that this effect varies (i.e., the slope of the income effect is not necessarily same for all countries). This assumption applies across countries along the aggregate consumption function, but also over time (i.e., not all countries are perceived to have

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<sup>2</sup> This report was prepared from a variety of sources including excerpts from documents and official reports or databases published by the World Bank, the U.S. Department of Commerce, the U.S. State Department, various national agencies, the International Monetary Fund, the Central Intelligence Agency, various agencies from the United Nations (e.g. ILO, ITU, UNDP, etc.), and non-governmental sources, including ICON Group International, Inc., Euromonitor, the World Resources Institute, Mintel, the U.S. Industrial Outlook, and various public sources cited in the trade press.

<sup>3</sup> The interested reader can find longer discussions of this type of modeling in *Studies in Global Econometrics (Advanced Studies in Theoretical and Applied Econometrics V. 30)*, by Henri Theil, et al., Kluwer Academic Publishers; ISBN: 0792336607; (June 1996), and in *Principles of Econometrics*, by Henri Theil John Wiley & Sons; ISBN: 0471858455; (December 1971), and in *Econometric Models and Economic Forecasts* by Robert S. Pindyck, Daniel L. Rubinfeld McGraw Hill Text; ISBN: 0070500983; 3rd edition (December 1991).

the same income growth prospects over time and this effect can vary from country to country as well). Another way of looking at this is to say that latent demand for aluminum is more likely to be similar across countries that have similar characteristics in terms of economic development (i.e., African countries will have similar latent demand structures controlling for the income variation across the pool of African countries).

This approach is useful across countries for which some notion of non-linearity exists in the aggregate cross-country consumption function. For some categories, however, the reader must realize that the numbers will reflect a country's contribution to global latent demand and may never be realized in the form of local sales. For certain country-category combinations this will result in what at first glance will be odd results. For example, the latent demand for the category "space vehicles" will exist for "Togo" even though they have no space program. The assumption is that if the economies in these countries did not exist, the world aggregate for these categories would be lower. The share attributed to these countries is based on a proportion of their income (however small) being used to consume the category in question (i.e., perhaps via resellers).

### **1.3.5 Step 5. Fixed-Parameter Linear Estimation**

Nonlinearities are assumed in cases where filtered data exist along the aggregate consumption function. Because the world consists of more than 200 countries, there will always be those countries, especially toward the bottom of the consumption function, where non-linear estimation is simply not possible. For these countries, equilibrium latent demand is assumed to be perfectly parametric and not a function of wealth (i.e., a country's stock of income), but a function of current income (a country's flow of income). In the long run, if a country has no current income, the latent demand for aluminum is assumed to approach zero. The assumption is that wealth stocks fall rapidly to zero if flow income falls to zero (i.e., countries which earn low levels of income will not use their savings, in the long run, to demand aluminum). In a graphical sense, for low income countries, latent demand approaches zero in a parametric linear fashion with a zero-zero intercept. In this stage of the estimation procedure, low-income countries are assumed to have a latent demand proportional to their income, based on the country closest to it on the aggregate consumption function.

### **1.3.6 Step 6. Aggregation and Benchmarking**

Based on the models described above, latent demand figures are estimated for all countries of the world, including for the smallest economies. These are then aggregated to get world totals and regional totals. To make the numbers more meaningful, regional and global demand averages are presented. Figures are rounded, so minor inconsistencies may exist across tables.

### **1.3.7 Step 7. Latent Demand Density: Allocating Across Cities**

With the advent of a "borderless world", cities become a more important criteria in prioritizing markets, as opposed to regions, continents, or countries. This report also covers the world's top 2000 cities. The purpose is to understand the density of demand within a country and the extent to which a city might be used as a point of distribution within its region. From an economic perspective, however, a city does not represent a population within rigid geographical boundaries. To an economist or strategic planner, a city represents an area of dominant influence over markets in adjacent areas. This influence varies from one industry to another, but also from one period of time to another.

Similar to country-level data, the reader needs to realize that latent demand allocated to a city may or may not represent real sales. For many items, latent demand is clearly observable in sales, as in the case for food or housing items. Consider, again, the category "satellite launch vehicles." Clearly, there are no launch pads in most cities of the world. However, the core benefit of the vehicles (e.g. telecommunications, etc.) is "consumed" by residents or industries within the world's cities. Without certain cities, in other words, the world market for satellite launch vehicles would be lower for the world in general. One needs to allocate, therefore, a portion of the worldwide economic demand for launch vehicles to regions, countries and cities. This report takes the broader definition and



considers, therefore, a city as a part of the global market. I allocate latent demand across areas of dominant influence based on the relative economic importance of cities within its home country, within its region and across the world total. Not all cities are estimated within each country as demand may be allocated to adjacent areas of influence. Since some cities have higher economic wealth than others within the same country, a city's population is not generally used to allocate latent demand. Rather, the level of economic activity of the city vis-à-vis others.

## 2 SUMMARY OF FINDINGS

Based on the methodology described above, the latent demand for aluminum is estimated to be \$0.2 billion in 2006. The distribution of the world latent demand (or potential industry earnings), however, is not evenly distributed across regions. Asia is the largest market with \$0.1 billion or 31.86 percent, followed by Europe & the Middle East with \$0.1 billion or 29.20 percent, and then North America & the Caribbean with \$0.1 billion or 25.67 percent of the world market. In essence, if firms target these top 3 regions, they cover come 86.73 percent of the global latent demand for aluminum.

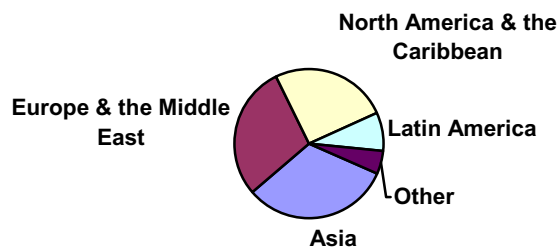
### 2.1 THE WORLDWIDE MARKET POTENTIAL

**Worldwide Market Potential for Aluminum (US \$ mln): 2006**

Region	Latent Demand US \$ mln	% of Globe
Asia	78	31.9
Europe & the Middle East	71	29.2
North America & the Caribbean	63	25.7
Latin America	20	8.1
Africa	10	3.9
Oceania	3	1.2
<b>Total</b>	<b>244</b>	<b>100.0</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

**Worldwide Market Potential for Aluminum (US \$ mln): 2006**



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<b>World Market for Aluminum: 2001 - 2011</b>	
<b>Year</b>	<b>World Market US \$ mln</b>
2001	221.94
2002	224.50
2003	226.95
2004	229.51
2005	233.27
2006	243.55
2007	255.41
2008	267.88
2009	280.98
2010	294.76
2011	309.25

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Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 3 AFRICA

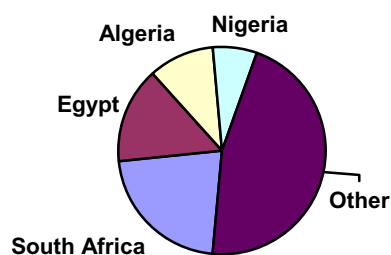
#### 3.1 EXECUTIVE SUMMARY

##### Market Potential for Aluminum in Africa (US \$ mln): 2006

Country	Latent Demand US \$ mln	% of Africa
South Africa	2.10	22.04%
Egypt	1.42	14.90%
Algeria	0.98	10.31%
Nigeria	0.67	7.01%
Morocco	0.59	6.20%
Tunisia	0.36	3.79%
Libya	0.26	2.76%
Kenya	0.26	2.69%
Ethiopia	0.22	2.33%
Ghana	0.21	2.23%
Sudan	0.21	2.17%
Congo (formerly Zaire)	0.16	1.69%
Zimbabwe	0.15	1.61%
Uganda	0.15	1.59%
Cameroon	0.15	1.56%
Cote d'Ivoire	0.15	1.54%
Tanzania	0.14	1.52%
Mozambique	0.11	1.15%
Senegal	0.09	0.97%
Mauritius	0.07	0.75%
Madagascar	0.07	0.74%
Burkina Faso	0.07	0.72%
Botswana	0.06	0.63%
Angola	0.06	0.61%
Guinea	0.06	0.60%
Other	0.75	7.88%
<b>Total</b>	<b>9.51</b>	<b>100.00%</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

##### Market Potential for Aluminum in Africa (US \$ mln): 2006



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**The Market for Aluminum in Africa: 2001 - 2011**

Year	US \$ mln	% of Globe
2001	8.87	4.00
2002	8.94	3.98
2003	9.00	3.96
2004	9.06	3.95
2005	9.16	3.93
2006	9.51	3.90
2007	9.91	3.88
2008	10.32	3.85
2009	10.76	3.83
2010	11.22	3.81
2011	11.70	3.78

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 3.2 ALGERIA

**Aluminum (US \$ mln): Algeria 2001 - 2011**

Year	Algeria	% of Region	% of Globe
2001	0.94	10.56%	0.42%
2002	0.94	10.48%	0.42%
2003	0.94	10.40%	0.41%
2004	0.93	10.32%	0.41%
2005	0.94	10.25%	0.40%
2006	0.98	10.31%	0.40%
2007	1.03	10.39%	0.40%
2008	1.08	10.47%	0.40%
2009	1.14	10.55%	0.40%
2010	1.19	10.62%	0.40%
2011	1.25	10.70%	0.40%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Algeria: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Algiers	147	0.35	36.17	3.73	0.15
Oran	264	0.15	15.09	1.56	0.06
Constantine	368	0.10	10.58	1.09	0.04
Annaba	478	0.07	7.34	0.76	0.03
Batna	709	0.04	4.37	0.45	0.02
Blida	726	0.04	4.10	0.42	0.02
Setif	730	0.04	4.08	0.42	0.02
Sidi-Bel-Abbes	776	0.04	3.67	0.38	0.01
Ech-Cheliff	843	0.03	3.12	0.32	0.01
Skikda	844	0.03	3.10	0.32	0.01
Tlemcen	847	0.03	3.05	0.31	0.01
Bejaia	897	0.03	2.76	0.28	0.01
Bechar	937	0.03	2.57	0.26	0.01
<b>Total</b>		<b>0.98</b>	<b>100.00</b>	<b>10.31</b>	<b>0.40</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 3.3 ANGOLA

Aluminum (US \$ mln): Angola 2001 - 2011			
Year	Angola	% of Region	% of Globe
2001	0.06	0.62%	0.02%
2002	0.06	0.62%	0.02%
2003	0.06	0.61%	0.02%
2004	0.06	0.61%	0.02%
2005	0.06	0.61%	0.02%
2006	0.06	0.61%	0.02%
2007	0.06	0.61%	0.02%
2008	0.06	0.62%	0.02%
2009	0.07	0.62%	0.02%
2010	0.07	0.63%	0.02%
2011	0.07	0.63%	0.02%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Angola: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Luanda	687	0.05	78.48	0.48	0.02
Lubango	1,688	0.00	5.65	0.03	0.00
Namibe	1,706	0.00	5.38	0.03	0.00
Huambo	1,799	0.00	3.34	0.02	0.00
Lobito	1,807	0.00	3.23	0.02	0.00
Benguela	1,873	0.00	2.21	0.01	0.00
Malanje	1,901	0.00	1.72	0.01	0.00
<b>Total</b>		<b>0.06</b>	<b>100.00</b>	<b>0.61</b>	<b>0.02</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.4 BENIN

Year	Aluminum (US \$ mln): Benin 2001 - 2011		% of Globe
	Benin	% of Region	
2001	0.04	0.41%	0.02%
2002	0.04	0.40%	0.02%
2003	0.04	0.40%	0.02%
2004	0.04	0.40%	0.02%
2005	0.04	0.40%	0.02%
2006	0.04	0.40%	0.02%
2007	0.04	0.40%	0.02%
2008	0.04	0.40%	0.02%
2009	0.04	0.41%	0.02%
2010	0.05	0.41%	0.02%
2011	0.05	0.41%	0.02%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Benin: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Cotonou	1,009	0.02	56.24	0.22	0.01
Porto-Novo	1,376	0.01	24.02	0.10	0.00
Parakou	1,728	0.00	7.62	0.03	0.00
Abomey	1,768	0.00	6.24	0.02	0.00
Natitingou	1,772	0.00	5.89	0.02	0.00
<b>Total</b>		<b>0.04</b>	<b>100.00</b>	<b>0.40</b>	<b>0.02</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.5 BOTSWANA

Year	Aluminum (US \$ mln): Botswana 2001 - 2011		% of Globe
	Botswana	% of Region	
2001	0.06	0.66%	0.03%
2002	0.06	0.65%	0.03%
2003	0.06	0.64%	0.03%
2004	0.06	0.63%	0.02%
2005	0.06	0.62%	0.02%
2006	0.06	0.63%	0.02%
2007	0.06	0.64%	0.02%
2008	0.07	0.65%	0.02%
2009	0.07	0.65%	0.03%
2010	0.07	0.66%	0.03%
2011	0.08	0.67%	0.03%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Botswana: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Gaborone	1,334	0.01	17.02	0.11	0.00
Mahalapye	1,369	0.01	15.49	0.10	0.00
Serowe	1,409	0.01	14.26	0.09	0.00
Tutume	1,432	0.01	13.04	0.08	0.00
Bobonong	1,573	0.00	8.28	0.05	0.00
Francistown	1,596	0.00	7.52	0.05	0.00
Selebi-Phikwe	1,615	0.00	7.06	0.04	0.00
Lobatse	1,764	0.00	3.99	0.03	0.00
Molepolole	1,800	0.00	3.22	0.02	0.00
Kanye	1,812	0.00	3.07	0.02	0.00
Mochudi	1,834	0.00	2.76	0.02	0.00
Maun	1,861	0.00	2.30	0.01	0.00
Ramotswa	1,883	0.00	1.99	0.01	0.00
<b>Total</b>		<b>0.06</b>	<b>100.00</b>	<b>0.63</b>	<b>0.02</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 3.6 BURKINA FASO

Year	Aluminum (US \$ mln): Burkina Faso 2001 - 2011		
	Burkina Faso	% of Region	% of Globe
2001	0.07	0.74%	0.03%
2002	0.07	0.74%	0.03%
2003	0.07	0.73%	0.03%
2004	0.07	0.72%	0.03%
2005	0.07	0.72%	0.03%
2006	0.07	0.72%	0.03%
2007	0.07	0.73%	0.03%
2008	0.08	0.73%	0.03%
2009	0.08	0.74%	0.03%
2010	0.08	0.75%	0.03%
2011	0.09	0.75%	0.03%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Burkina Faso: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Ouagadougou	765	0.04	53.58	0.39	0.02
Bobo-Dioulasso	1,045	0.02	28.00	0.20	0.01
Koudougou	1,608	0.00	6.30	0.05	0.00
Ouahigouya	1,689	0.00	4.73	0.03	0.00
Banfora	1,723	0.00	4.24	0.03	0.00
Kaya	1,778	0.00	3.15	0.02	0.00
<b>Total</b>		<b>0.07</b>	<b>100.00</b>	<b>0.72</b>	<b>0.03</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)



## 3.7 BURUNDI

Year	Aluminum (US \$ mln): Burundi 2001 - 2011		% of Globe
	Burundi	% of Region	
2001	0.02	0.25%	0.01%
2002	0.02	0.26%	0.01%
2003	0.02	0.26%	0.01%
2004	0.02	0.26%	0.01%
2005	0.02	0.26%	0.01%
2006	0.02	0.26%	0.01%
2007	0.03	0.26%	0.01%
2008	0.03	0.26%	0.01%
2009	0.03	0.26%	0.01%
2010	0.03	0.25%	0.01%
2011	0.03	0.25%	0.01%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Burundi: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Bujumbura	1,076	0.02	70.91	0.19	0.01
Gitega	1,515	0.01	24.68	0.06	0.00
Bururi	1,983	0.00	2.08	0.01	0.00
Rumonge	2,013	0.00	1.30	0.00	0.00
Ngozi	2,033	0.00	1.04	0.00	0.00
<b>Total</b>		<b>0.02</b>	<b>100.00</b>	<b>0.26</b>	<b>0.01</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.8 CAMEROON

Year	Aluminum (US \$ mln): Cameroon 2001 - 2011		% of Globe
	Cameroon	% of Region	
2001	0.14	1.59%	0.06%
2002	0.14	1.58%	0.06%
2003	0.14	1.57%	0.06%
2004	0.14	1.56%	0.06%
2005	0.14	1.56%	0.06%
2006	0.15	1.56%	0.06%
2007	0.16	1.57%	0.06%
2008	0.16	1.58%	0.06%
2009	0.17	1.59%	0.06%
2010	0.18	1.59%	0.06%
2011	0.19	1.60%	0.06%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Cameroon: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Douala	500	0.07	46.52	0.73	0.03
Yaounde	698	0.04	29.65	0.46	0.02
Nkongsamba	1,478	0.01	4.66	0.07	0.00
Maroua	1,491	0.01	4.41	0.07	0.00
Garoua	1,505	0.01	4.25	0.07	0.00
Bafoussam	1,588	0.00	3.17	0.05	0.00
Kumba	1,680	0.00	2.25	0.04	0.00
Bamenda	1,720	0.00	2.00	0.03	0.00
Foumban	1,750	0.00	1.71	0.03	0.00
Limbe	1,790	0.00	1.37	0.02	0.00
<b>Total</b>		<b>0.15</b>	<b>100.00</b>	<b>1.56</b>	<b>0.06</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 3.9 CAPE VERDE

Aluminum (US \$ mln): Cape Verde 2001 - 2011			
Year	Cape Verde	% of Region	% of Globe
2001	0.00	0.04%	0.00%
2002	0.00	0.04%	0.00%
2003	0.00	0.04%	0.00%
2004	0.00	0.04%	0.00%
2005	0.00	0.04%	0.00%
2006	0.00	0.04%	0.00%
2007	0.00	0.04%	0.00%
2008	0.00	0.04%	0.00%
2009	0.00	0.04%	0.00%
2010	0.00	0.04%	0.00%
2011	0.01	0.04%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Cape Verde: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Praia	1,783	0.00	54.95	0.02	0.00
Mindelo	1,844	0.00	40.66	0.02	0.00
Ribeira Grande	2,066	0.00	2.20	0.00	0.00
Sal Rei	2,073	0.00	1.10	0.00	0.00
Santa Maria	2,074	0.00	1.10	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.04</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.10 CENTRAL AFRICAN REPUBLIC

Aluminum (US \$ mln): Central African Republic 2001 - 2011			
Year	Central African Republic	% of Region	% of Globe
2001	0.03	0.37%	0.01%
2002	0.03	0.37%	0.01%
2003	0.03	0.37%	0.01%
2004	0.03	0.37%	0.01%
2005	0.03	0.37%	0.01%
2006	0.03	0.37%	0.01%
2007	0.04	0.37%	0.01%
2008	0.04	0.37%	0.01%
2009	0.04	0.37%	0.01%
2010	0.04	0.37%	0.01%
2011	0.04	0.37%	0.01%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Central African Republic: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Bangui	962	0.02	68.70	0.25	0.01
Berberati	1,635	0.00	11.51	0.04	0.00
Bouar	1,773	0.00	6.33	0.02	0.00
Bambari	1,788	0.00	5.98	0.02	0.00
Bangassou	1,856	0.00	4.14	0.02	0.00
Mbaiki	1,889	0.00	3.34	0.01	0.00
<b>Total</b>		<b>0.03</b>	<b>100.00</b>	<b>0.37</b>	<b>0.01</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.11 CHAD

Aluminum (US \$ mln): Chad 2001 - 2011			
Year	Chad	% of Region	% of Globe
2001	0.04	0.49%	0.02%
2002	0.04	0.49%	0.02%
2003	0.04	0.49%	0.02%
2004	0.04	0.49%	0.02%
2005	0.04	0.49%	0.02%
2006	0.05	0.49%	0.02%
2007	0.05	0.49%	0.02%
2008	0.05	0.49%	0.02%
2009	0.05	0.49%	0.02%
2010	0.06	0.49%	0.02%
2011	0.06	0.49%	0.02%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Chad: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
N'Djamena	973	0.02	50.05	0.24	0.01
Sarh	1,542	0.01	12.12	0.06	0.00
Moundou	1,640	0.00	8.50	0.04	0.00
Abeche	1,694	0.00	6.94	0.03	0.00
Bongor	1,705	0.00	6.74	0.03	0.00
Doba	1,725	0.00	6.26	0.03	0.00
Lai	1,746	0.00	5.67	0.03	0.00
Koumra	1,913	0.00	1.96	0.01	0.00
Kelo	1,925	0.00	1.76	0.01	0.00
<b>Total</b>		<b>0.05</b>	<b>100.00</b>	<b>0.49</b>	<b>0.02</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 3.12 COMOROS

<b>Aluminum (US \$ mln): Comoros 2001 - 2011</b>			
<b>Year</b>	<b>Comoros</b>	<b>% of Region</b>	<b>% of Globe</b>
2001	0.00	0.02%	0.00%
2002	0.00	0.02%	0.00%
2003	0.00	0.02%	0.00%
2004	0.00	0.02%	0.00%
2005	0.00	0.02%	0.00%
2006	0.00	0.02%	0.00%
2007	0.00	0.02%	0.00%
2008	0.00	0.02%	0.00%
2009	0.00	0.02%	0.00%
2010	0.00	0.02%	0.00%
2011	0.00	0.02%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Comoros: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Moroni	1,892	0.00	48.84	0.01	0.00
Mutsamudu	1,940	0.00	30.23	0.01	0.00
Fomboni	2,011	0.00	13.95	0.00	0.00
Mitsamiouli	2,048	0.00	6.98	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.02</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.13 CONGO (FORMERLY ZAIRE)

Year	Aluminum (US \$ mln): Congo (formerly Zaire) 2001 - 2011		% of Globe
	Congo (formerly Zaire)	% of Region	
2001	0.11	1.26%	0.05%
2002	0.12	1.39%	0.06%
2003	0.14	1.53%	0.06%
2004	0.15	1.69%	0.07%
2005	0.17	1.81%	0.07%
2006	0.16	1.69%	0.07%
2007	0.15	1.54%	0.06%
2008	0.15	1.41%	0.05%
2009	0.14	1.28%	0.05%
2010	0.13	1.17%	0.04%
2011	0.12	1.06%	0.04%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Congo (formerly Zaire): Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Kinshasa	445	0.08	50.00	0.85	0.03
Lubumbashi	1,102	0.02	10.23	0.17	0.01
Mbuji-Mayi	1,228	0.01	7.97	0.13	0.01
Kananga	1,395	0.01	5.48	0.09	0.00
Kisangani	1,408	0.01	5.33	0.09	0.00
Likasi	1,532	0.01	3.65	0.06	0.00
Kalemie	1,562	0.01	3.24	0.05	0.00
Bukavu	1,563	0.01	3.22	0.05	0.00
Kamina	1,578	0.00	3.01	0.05	0.00
Kikwit	1,601	0.00	2.77	0.05	0.00
Matadi	1,606	0.00	2.73	0.05	0.00
Mbandaka	1,651	0.00	2.35	0.04	0.00
<b>Total</b>		<b>0.16</b>	<b>100.00</b>	<b>1.69</b>	<b>0.07</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.14 COTE D'IVOIRE

Year	Aluminum (US \$ mln): Cote d'Ivoire 2001 - 2011		% of Globe
	Cote d'Ivoire	% of Region	
2001	0.13	1.45%	0.06%
2002	0.13	1.48%	0.06%
2003	0.14	1.51%	0.06%
2004	0.14	1.54%	0.06%
2005	0.14	1.56%	0.06%
2006	0.15	1.54%	0.06%
2007	0.15	1.51%	0.06%
2008	0.15	1.49%	0.06%
2009	0.16	1.46%	0.06%
2010	0.16	1.43%	0.05%
2011	0.16	1.41%	0.05%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Cote d'Ivoire: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Abidjan	351	0.11	74.60	1.15	0.04
Bouake	1,221	0.01	8.87	0.14	0.01
Yamoussoukro	1,469	0.01	4.84	0.07	0.00
Daloa	1,586	0.00	3.23	0.05	0.00
Port-Bouet	1,667	0.00	2.42	0.04	0.00
Man	1,692	0.00	2.22	0.03	0.00
Korhogo	1,703	0.00	2.14	0.03	0.00
Gagnoa	1,753	0.00	1.69	0.03	0.00
<b>Total</b>		<b>0.15</b>	<b>100.00</b>	<b>1.54</b>	<b>0.06</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.15 DJIBOUTI

Year	Aluminum (US \$ mln): Djibouti 2001 - 2011		% of Globe
	Djibouti	% of Region	
2001	0.00	0.03%	0.00%
2002	0.00	0.03%	0.00%
2003	0.00	0.03%	0.00%
2004	0.00	0.03%	0.00%
2005	0.00	0.03%	0.00%
2006	0.00	0.03%	0.00%
2007	0.00	0.03%	0.00%
2008	0.00	0.03%	0.00%
2009	0.00	0.03%	0.00%
2010	0.00	0.03%	0.00%
2011	0.00	0.03%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Djibouti: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Djibouti	1,779	0.00	66.67	0.02	0.00
Dikhil	2,010	0.00	10.11	0.00	0.00
Tadjourah	2,032	0.00	8.05	0.00	0.00
Ali-Sabiah	2,034	0.00	7.82	0.00	0.00
Obock	2,035	0.00	7.36	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.03</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 3.16 EGYPT

<b>Aluminum (US \$ mln): Egypt 2001 - 2011</b>			
<b>Year</b>	<b>Egypt</b>	<b>% of Region</b>	<b>% of Globe</b>
2001	1.35	15.26%	0.61%
2002	1.35	15.14%	0.60%
2003	1.35	15.02%	0.60%
2004	1.35	14.90%	0.59%
2005	1.36	14.81%	0.58%
2006	1.42	14.90%	0.58%
2007	1.49	15.01%	0.58%
2008	1.56	15.13%	0.58%
2009	1.64	15.24%	0.58%
2010	1.72	15.34%	0.58%
2011	1.81	15.45%	0.58%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Egypt: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Cairo	58	0.84	59.57	8.87	0.35
Alexandria	197	0.22	15.80	2.35	0.09
Giza	299	0.13	9.05	1.35	0.05
Al-Mahallah al Kubra	852	0.03	2.09	0.31	0.01
Port Said	857	0.03	2.07	0.31	0.01
Tanta	870	0.03	2.03	0.30	0.01
Al-Mansurah	889	0.03	1.94	0.29	0.01
Helwan	899	0.03	1.91	0.28	0.01
Asyut	988	0.02	1.58	0.23	0.01
Zagazig	1,013	0.02	1.48	0.22	0.01
Suez	1,027	0.02	1.44	0.21	0.01
Aswan	1,142	0.02	1.06	0.16	0.01
<b>Total</b>		<b>1.42</b>	<b>100.00</b>	<b>14.90</b>	<b>0.58</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.17 EQUATORIAL GUINEA

Year	Aluminum (US \$ mln): Equatorial Guinea 2001 - 2011		% of Globe
	Equatorial Guinea	% of Region	
2001	0.01	0.07%	0.00%
2002	0.01	0.07%	0.00%
2003	0.01	0.06%	0.00%
2004	0.01	0.06%	0.00%
2005	0.01	0.06%	0.00%
2006	0.01	0.06%	0.00%
2007	0.01	0.06%	0.00%
2008	0.01	0.06%	0.00%
2009	0.01	0.07%	0.00%
2010	0.01	0.07%	0.00%
2011	0.01	0.07%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Equatorial Guinea: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Malabo	1,741	0.00	47.24	0.03	0.00
Bata	1,871	0.00	22.83	0.01	0.00
Luba	1,902	0.00	17.32	0.01	0.00
Mbini	1,936	0.00	12.60	0.01	0.00
<b>Total</b>		<b>0.01</b>	<b>100.00</b>	<b>0.06</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.18 ETHIOPIA

Year	Aluminum (US \$ mln): Ethiopia 2001 - 2011		% of Globe
	Ethiopia	% of Region	
2001	0.20	2.28%	0.09%
2002	0.21	2.30%	0.09%
2003	0.21	2.31%	0.09%
2004	0.21	2.33%	0.09%
2005	0.21	2.34%	0.09%
2006	0.22	2.33%	0.09%
2007	0.23	2.31%	0.09%
2008	0.24	2.30%	0.09%
2009	0.25	2.28%	0.09%
2010	0.25	2.27%	0.09%
2011	0.26	2.25%	0.09%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)



<b>Ethiopia: Aluminum in 2006, US \$ mln</b>					
City	World Rank	US \$ mln	%Country	%Region	%World
Addis Ababa	276	0.14	62.14	1.45	0.06
Asmera	891	0.03	12.30	0.29	0.01
Dire Dawa	1,381	0.01	4.07	0.09	0.00
Gondar	1,450	0.01	3.37	0.08	0.00
Dessye	1,474	0.01	3.16	0.07	0.00
Nazret	1,475	0.01	3.16	0.07	0.00
Jimma	1,531	0.01	2.66	0.06	0.00
Harar	1,533	0.01	2.62	0.06	0.00
Mekele	1,541	0.01	2.58	0.06	0.00
Bahr Dar	1,569	0.01	2.29	0.05	0.00
Debre Markos	1,658	0.00	1.66	0.04	0.00
<b>Total</b>		<b>0.22</b>	<b>100.00</b>	<b>2.33</b>	<b>0.09</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 3.19 GABON

<b>Aluminum (US \$ mln): Gabon 2001 - 2011</b>			
Year	Gabon	% of Region	% of Globe
2001	0.04	0.44%	0.02%
2002	0.04	0.45%	0.02%
2003	0.04	0.45%	0.02%
2004	0.04	0.46%	0.02%
2005	0.04	0.46%	0.02%
2006	0.04	0.46%	0.02%
2007	0.04	0.45%	0.02%
2008	0.05	0.45%	0.02%
2009	0.05	0.44%	0.02%
2010	0.05	0.44%	0.02%
2011	0.05	0.43%	0.02%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Gabon: Aluminum in 2006, US \$ mln</b>					
City	World Rank	US \$ mln	%Country	%Region	%World
Libreville	916	0.03	60.07	0.27	0.01
Port Gentil	1,253	0.01	27.99	0.13	0.00
Lambarene	1,810	0.00	4.27	0.02	0.00
Mouila	1,887	0.00	2.73	0.01	0.00
Tchibanga	1,895	0.00	2.56	0.01	0.00
Oyem	1,900	0.00	2.39	0.01	0.00
<b>Total</b>		<b>0.04</b>	<b>100.00</b>	<b>0.46</b>	<b>0.02</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.20 GHANA

Year	Aluminum (US \$ mln): Ghana 2001 - 2011		% of Globe
	Ghana	% of Region	
2001	0.20	2.22%	0.09%
2002	0.20	2.22%	0.09%
2003	0.20	2.23%	0.09%
2004	0.20	2.23%	0.09%
2005	0.20	2.24%	0.09%
2006	0.21	2.23%	0.09%
2007	0.22	2.23%	0.09%
2008	0.23	2.23%	0.09%
2009	0.24	2.22%	0.09%
2010	0.25	2.21%	0.08%
2011	0.26	2.21%	0.08%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Ghana: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Accra	362	0.10	49.30	1.10	0.04
Kumasi	710	0.04	20.00	0.45	0.02
Tamale	1,097	0.02	7.84	0.18	0.01
Tema	1,258	0.01	5.66	0.13	0.00
Sekondi-Takoradi	1,280	0.01	5.40	0.12	0.00
Koforidua	1,495	0.01	3.06	0.07	0.00
Cape Coast	1,496	0.01	3.06	0.07	0.00
Sunyani	1,611	0.00	2.03	0.05	0.00
Ho	1,620	0.00	1.97	0.04	0.00
Bolgatanga	1,668	0.00	1.66	0.04	0.00
<b>Total</b>		<b>0.21</b>	<b>100.00</b>	<b>2.23</b>	<b>0.09</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.21 GUINEA

Year	Aluminum (US \$ mln): Guinea 2001 - 2011		% of Globe
	Guinea	% of Region	
2001	0.05	0.62%	0.02%
2002	0.05	0.61%	0.02%
2003	0.05	0.61%	0.02%
2004	0.05	0.60%	0.02%
2005	0.05	0.60%	0.02%
2006	0.06	0.60%	0.02%
2007	0.06	0.61%	0.02%
2008	0.06	0.61%	0.02%
2009	0.07	0.62%	0.02%
2010	0.07	0.62%	0.02%
2011	0.07	0.63%	0.02%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Guinea: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Conakry	683	0.05	79.93	0.48	0.02
Kankan	1,536	0.01	10.09	0.06	0.00
Labe	1,616	0.00	7.37	0.04	0.00
Nzerekore	1,850	0.00	2.61	0.02	0.00
<b>Total</b>		<b>0.06</b>	<b>100.00</b>	<b>0.60</b>	<b>0.02</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 3.22 GUINEA-BISSAU

Aluminum (US \$ mln): Guinea-Bissau 2001 - 2011			
Year	Guinea-Bissau	% of Region	% of Globe
2001	0.01	0.07%	0.00%
2002	0.01	0.07%	0.00%
2003	0.01	0.07%	0.00%
2004	0.01	0.07%	0.00%
2005	0.01	0.07%	0.00%
2006	0.01	0.07%	0.00%
2007	0.01	0.07%	0.00%
2008	0.01	0.07%	0.00%
2009	0.01	0.07%	0.00%
2010	0.01	0.07%	0.00%
2011	0.01	0.07%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Guinea-Bissau: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Bissau	1,579	0.00	75.76	0.05	0.00
Bafata	1,986	0.00	7.88	0.01	0.00
Gabu	2,020	0.00	4.85	0.00	0.00
Catio	2,041	0.00	3.03	0.00	0.00
Cantchungo	2,042	0.00	3.03	0.00	0.00
Mansoa	2,043	0.00	3.03	0.00	0.00
Farim	2,049	0.00	2.42	0.00	0.00
<b>Total</b>		<b>0.01</b>	<b>100.00</b>	<b>0.07</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.23 KENYA

Year	Aluminum (US \$ mln): Kenya 2001 - 2011		% of Globe
	Kenya	% of Region	
2001	0.23	2.57%	0.10%
2002	0.23	2.61%	0.10%
2003	0.24	2.65%	0.10%
2004	0.24	2.69%	0.11%
2005	0.25	2.72%	0.11%
2006	0.26	2.69%	0.10%
2007	0.26	2.65%	0.10%
2008	0.27	2.61%	0.10%
2009	0.28	2.57%	0.10%
2010	0.28	2.54%	0.10%
2011	0.29	2.50%	0.09%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Kenya: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Nairobi	272	0.14	55.53	1.49	0.06
Mombasa	605	0.05	21.43	0.58	0.02
Kisumu	1,006	0.02	8.40	0.23	0.01
Nakuru	1,214	0.01	5.13	0.14	0.01
Eldoret	1,437	0.01	3.02	0.08	0.00
Thika	1,558	0.01	2.06	0.06	0.00
Nyeri	1,592	0.00	1.81	0.05	0.00
Nanyuki	1,801	0.00	0.75	0.02	0.00
Kitale	1,816	0.00	0.70	0.02	0.00
Malindi	1,848	0.00	0.60	0.02	0.00
Kericho	1,859	0.00	0.55	0.01	0.00
<b>Total</b>		<b>0.26</b>	<b>100.00</b>	<b>2.69</b>	<b>0.10</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.24 LESOTHO

Year	Aluminum (US \$ mln): Lesotho 2001 - 2011		% of Globe
	Lesotho	% of Region	
2001	0.03	0.30%	0.01%
2002	0.03	0.30%	0.01%
2003	0.03	0.30%	0.01%
2004	0.03	0.30%	0.01%
2005	0.03	0.30%	0.01%
2006	0.03	0.30%	0.01%
2007	0.03	0.30%	0.01%
2008	0.03	0.30%	0.01%
2009	0.03	0.30%	0.01%
2010	0.03	0.30%	0.01%
2011	0.03	0.30%	0.01%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Lesotho: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Maseru	944	0.02	85.16	0.26	0.01
Teyateyaneng	1,815	0.00	6.25	0.02	0.00
Leribe	1,866	0.00	4.69	0.01	0.00
Mafeteng	1,894	0.00	3.91	0.01	0.00
<b>Total</b>		<b>0.03</b>	<b>100.00</b>	<b>0.30</b>	<b>0.01</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.25 LIBERIA

Year	Aluminum (US \$ mln): Liberia 2001 - 2011		% of Globe
	Liberia	% of Region	
2001	0.02	0.25%	0.01%
2002	0.02	0.24%	0.01%
2003	0.02	0.22%	0.01%
2004	0.02	0.21%	0.01%
2005	0.02	0.20%	0.01%
2006	0.02	0.21%	0.01%
2007	0.02	0.22%	0.01%
2008	0.02	0.24%	0.01%
2009	0.03	0.25%	0.01%
2010	0.03	0.26%	0.01%
2011	0.03	0.28%	0.01%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Liberia: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Monrovia	1,118	0.02	78.41	0.17	0.01
Harbel	1,756	0.00	12.18	0.03	0.00
Buchanan	1,915	0.00	4.43	0.01	0.00
Tubmanburg	1,978	0.00	2.77	0.01	0.00
Harper	1,995	0.00	2.21	0.00	0.00
<b>Total</b>		<b>0.02</b>	<b>100.00</b>	<b>0.21</b>	<b>0.01</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 3.26 LIBYA

<b>Aluminum (US \$ mln): Libya 2001 - 2011</b>			
<b>Year</b>	<b>Libya</b>	<b>% of Region</b>	<b>% of Globe</b>
2001	0.26	2.89%	0.12%
2002	0.25	2.85%	0.11%
2003	0.25	2.80%	0.11%
2004	0.25	2.76%	0.11%
2005	0.25	2.73%	0.11%
2006	0.26	2.76%	0.11%
2007	0.28	2.80%	0.11%
2008	0.29	2.84%	0.11%
2009	0.31	2.88%	0.11%
2010	0.33	2.92%	0.11%
2011	0.35	2.96%	0.11%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Libya: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Tripoli	285	0.13	50.89	1.40	0.05
Benghazi	496	0.07	26.45	0.73	0.03
Misurata	1,049	0.02	7.24	0.20	0.01
Az Zawiyah	1,208	0.01	5.04	0.14	0.01
Al-Bayda	1,572	0.00	1.90	0.05	0.00
Ajdabiya	1,580	0.00	1.84	0.05	0.00
Darnah	1,590	0.00	1.78	0.05	0.00
Sebha	1,595	0.00	1.72	0.05	0.00
Tubruq	1,607	0.00	1.66	0.05	0.00
Al-Marj	1,643	0.00	1.48	0.04	0.00
<b>Total</b>		<b>0.26</b>	<b>100.00</b>	<b>2.76</b>	<b>0.11</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.27 MADAGASCAR

Year	Aluminum (US \$ mln): Madagascar 2001 - 2011		
	Madagascar	% of Region	% of Globe
2001	0.07	0.76%	0.03%
2002	0.07	0.75%	0.03%
2003	0.07	0.75%	0.03%
2004	0.07	0.74%	0.03%
2005	0.07	0.74%	0.03%
2006	0.07	0.74%	0.03%
2007	0.07	0.75%	0.03%
2008	0.08	0.75%	0.03%
2009	0.08	0.76%	0.03%
2010	0.09	0.76%	0.03%
2011	0.09	0.76%	0.03%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Madagascar: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Antananarivo	735	0.04	56.02	0.42	0.02
Toamasina	1,433	0.01	11.08	0.08	0.00
Mahajanga	1,511	0.01	8.84	0.07	0.00
Fianarantsoa	1,512	0.01	8.84	0.07	0.00
Antsirabe	1,603	0.00	6.29	0.05	0.00
Toliara	1,685	0.00	4.70	0.03	0.00
Antsiranana	1,719	0.00	4.22	0.03	0.00
<b>Total</b>		<b>0.07</b>	<b>100.00</b>	<b>0.74</b>	<b>0.03</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.28 MALAWI

Year	Aluminum (US \$ mln): Malawi 2001 - 2011		
	Malawi	% of Region	% of Globe
2001	0.05	0.56%	0.02%
2002	0.05	0.56%	0.02%
2003	0.05	0.56%	0.02%
2004	0.05	0.56%	0.02%
2005	0.05	0.56%	0.02%
2006	0.05	0.56%	0.02%
2007	0.06	0.56%	0.02%
2008	0.06	0.56%	0.02%
2009	0.06	0.56%	0.02%
2010	0.06	0.56%	0.02%
2011	0.06	0.56%	0.02%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Malawi: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Blantyre	905	0.03	49.45	0.28	0.01
Lilongwe	1,172	0.01	26.99	0.15	0.01
Mzuzu	1,448	0.01	14.11	0.08	0.00
Zomba	1,671	0.00	6.50	0.04	0.00
Karonga	1,918	0.00	1.60	0.01	0.00
Nkhotakota	1,935	0.00	1.35	0.01	0.00
<b>Total</b>		<b>0.05</b>	<b>100.00</b>	<b>0.56</b>	<b>0.02</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 3.29 MALI

<b>Aluminum (US \$ mln): Mali 2001 - 2011</b>			
<b>Year</b>	<b>Mali</b>	<b>% of Region</b>	<b>% of Globe</b>
2001	0.05	0.56%	0.02%
2002	0.05	0.56%	0.02%
2003	0.05	0.55%	0.02%
2004	0.05	0.55%	0.02%
2005	0.05	0.55%	0.02%
2006	0.05	0.55%	0.02%
2007	0.05	0.55%	0.02%
2008	0.06	0.56%	0.02%
2009	0.06	0.56%	0.02%
2010	0.06	0.56%	0.02%
2011	0.07	0.57%	0.02%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Mali: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Bamako	762	0.04	71.15	0.39	0.02
Segou	1,654	0.00	7.16	0.04	0.00
Mopti	1,710	0.00	5.95	0.03	0.00
Sikasso	1,740	0.00	5.18	0.03	0.00
Kayes	1,749	0.00	4.96	0.03	0.00
Gao	1,818	0.00	3.41	0.02	0.00
Timbuktu	1,891	0.00	2.20	0.01	0.00
<b>Total</b>		<b>0.05</b>	<b>100.00</b>	<b>0.55</b>	<b>0.02</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)



## 3.30 MAURITANIA

Year	Aluminum (US \$ mln): Mauritania 2001 - 2011		% of Globe
	Mauritania	% of Region	
2001	0.03	0.33%	0.01%
2002	0.03	0.33%	0.01%
2003	0.03	0.33%	0.01%
2004	0.03	0.33%	0.01%
2005	0.03	0.32%	0.01%
2006	0.03	0.33%	0.01%
2007	0.03	0.33%	0.01%
2008	0.03	0.33%	0.01%
2009	0.04	0.33%	0.01%
2010	0.04	0.34%	0.01%
2011	0.04	0.34%	0.01%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Mauritania: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Nouakchott	926	0.03	82.92	0.27	0.01
Nouadhibou	1,893	0.00	3.65	0.01	0.00
Kaedi	1,896	0.00	3.48	0.01	0.00
Zouerate	1,916	0.00	2.82	0.01	0.00
Rosso	1,920	0.00	2.65	0.01	0.00
Atar	1,921	0.00	2.65	0.01	0.00
Kiffa	1,973	0.00	1.82	0.01	0.00
<b>Total</b>		<b>0.03</b>	<b>100.00</b>	<b>0.33</b>	<b>0.01</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.31 MAURITIUS

Year	Aluminum (US \$ mln): Mauritius 2001 - 2011		% of Globe
	Mauritius	% of Region	
2001	0.07	0.80%	0.03%
2002	0.07	0.78%	0.03%
2003	0.07	0.77%	0.03%
2004	0.07	0.75%	0.03%
2005	0.07	0.74%	0.03%
2006	0.07	0.75%	0.03%
2007	0.08	0.77%	0.03%
2008	0.08	0.78%	0.03%
2009	0.09	0.80%	0.03%
2010	0.09	0.81%	0.03%
2011	0.10	0.83%	0.03%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Mauritius: Aluminum in 2006, US \$ mln</b>					
City	World Rank	US \$ mln	%Country	%Region	%World
Port Louis	965	0.02	33.33	0.25	0.01
Beau Bassin	1,114	0.02	22.30	0.17	0.01
Curepipe	1,291	0.01	15.59	0.12	0.00
Quatre Bornes	1,292	0.01	15.59	0.12	0.00
Vacoas-Phoenix	1,361	0.01	13.19	0.10	0.00
<b>Total</b>		<b>0.07</b>	<b>100.00</b>	<b>0.75</b>	<b>0.03</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 3.32 MOROCCO

<b>Aluminum (US \$ mln): Morocco 2001 - 2011</b>			
Year	Morocco	% of Region	% of Globe
2001	0.53	5.96%	0.24%
2002	0.54	6.04%	0.24%
2003	0.55	6.12%	0.24%
2004	0.56	6.20%	0.24%
2005	0.57	6.26%	0.25%
2006	0.59	6.20%	0.24%
2007	0.61	6.13%	0.24%
2008	0.62	6.05%	0.23%
2009	0.64	5.97%	0.23%
2010	0.66	5.89%	0.22%
2011	0.68	5.82%	0.22%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Morocco: Aluminum in 2006, US \$ mln</b>					
City	World Rank	US \$ mln	%Country	%Region	%World
Casablanca	268	0.15	24.65	1.53	0.06
Marrakech	482	0.07	12.09	0.75	0.03
Rabat	544	0.06	10.92	0.68	0.03
Fez	671	0.05	7.92	0.49	0.02
Oujda	695	0.04	7.60	0.47	0.02
Kenitra	713	0.04	7.07	0.44	0.02
Tetouan	728	0.04	6.79	0.42	0.02
Safi	734	0.04	6.73	0.42	0.02
Meknes	787	0.04	5.97	0.37	0.01
Agadir	790	0.04	5.94	0.37	0.01
Tangier	931	0.03	4.32	0.27	0.01
<b>Total</b>		<b>0.59</b>	<b>100.00</b>	<b>6.20</b>	<b>0.24</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.33 MOZAMBIQUE

Year	Aluminum (US \$ mln): Mozambique 2001 - 2011		% of Globe
	Mozambique	% of Region	
2001	0.10	1.15%	0.05%
2002	0.10	1.15%	0.05%
2003	0.10	1.15%	0.05%
2004	0.10	1.15%	0.05%
2005	0.10	1.14%	0.04%
2006	0.11	1.15%	0.04%
2007	0.11	1.15%	0.04%
2008	0.12	1.15%	0.04%
2009	0.12	1.15%	0.04%
2010	0.13	1.15%	0.04%
2011	0.14	1.15%	0.04%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Mozambique: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Maputo	526	0.07	60.83	0.70	0.03
Beira	1,065	0.02	16.60	0.19	0.01
Nampula	1,250	0.01	11.20	0.13	0.01
Nacala	1,506	0.01	5.80	0.07	0.00
Machaze	1,733	0.00	2.62	0.03	0.00
Mandie	1,840	0.00	1.48	0.02	0.00
Chibuto	1,841	0.00	1.48	0.02	0.00
<b>Total</b>		<b>0.11</b>	<b>100.00</b>	<b>1.15</b>	<b>0.04</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.34 NAMIBIA

Year	Aluminum (US \$ mln): Namibia 2001 - 2011		% of Globe
	Namibia	% of Region	
2001	0.04	0.46%	0.02%
2002	0.04	0.46%	0.02%
2003	0.04	0.46%	0.02%
2004	0.04	0.46%	0.02%
2005	0.04	0.46%	0.02%
2006	0.04	0.46%	0.02%
2007	0.05	0.46%	0.02%
2008	0.05	0.46%	0.02%
2009	0.05	0.46%	0.02%
2010	0.05	0.46%	0.02%
2011	0.05	0.46%	0.02%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Namibia: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Windhoek	842	0.03	70.55	0.32	0.01
Tsumeb	1,672	0.00	7.98	0.04	0.00
Keetmanshoop	1,722	0.00	6.75	0.03	0.00
Otjiwarongo	1,762	0.00	5.52	0.03	0.00
Luderitz	1,782	0.00	4.91	0.02	0.00
Swakopmund	1,808	0.00	4.29	0.02	0.00
<b>Total</b>		<b>0.04</b>	<b>100.00</b>	<b>0.46</b>	<b>0.02</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 3.35 NIGER

Aluminum (US \$ mln): Niger 2001 - 2011			
Year	Niger	% of Region	% of Globe
2001	0.05	0.60%	0.02%
2002	0.05	0.60%	0.02%
2003	0.05	0.60%	0.02%
2004	0.05	0.60%	0.02%
2005	0.05	0.60%	0.02%
2006	0.06	0.60%	0.02%
2007	0.06	0.60%	0.02%
2008	0.06	0.60%	0.02%
2009	0.06	0.60%	0.02%
2010	0.07	0.60%	0.02%
2011	0.07	0.60%	0.02%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Niger: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Niamey	786	0.04	61.99	0.37	0.01
Zinder	1,453	0.01	12.93	0.08	0.00
Maradi	1,538	0.01	10.12	0.06	0.00
Tahoua	1,656	0.00	6.54	0.04	0.00
Agadez	1,763	0.00	4.21	0.03	0.00
Birni N'Konni	1,858	0.00	2.49	0.01	0.00
Filingue	1,905	0.00	1.71	0.01	0.00
<b>Total</b>		<b>0.06</b>	<b>100.00</b>	<b>0.60</b>	<b>0.02</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.36 NIGERIA

Year	Aluminum (US \$ mln): Nigeria 2001 - 2011		% of Globe
	Nigeria	% of Region	
2001	0.62	7.01%	0.28%
2002	0.63	7.01%	0.28%
2003	0.63	7.01%	0.28%
2004	0.63	7.01%	0.28%
2005	0.64	7.00%	0.28%
2006	0.67	7.01%	0.27%
2007	0.69	7.01%	0.27%
2008	0.72	7.01%	0.27%
2009	0.75	7.01%	0.27%
2010	0.79	7.01%	0.27%
2011	0.82	7.01%	0.27%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Nigeria: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Lagos	332	0.11	17.07	1.20	0.05
Ibadan	357	0.11	16.09	1.13	0.04
Ogbomosho	607	0.05	8.20	0.57	0.02
Kano	644	0.05	7.57	0.53	0.02
Oshogbo	780	0.04	5.37	0.38	0.01
Ilorin	781	0.04	5.35	0.38	0.01
Abeokuta	827	0.03	4.81	0.34	0.01
Port Harcourt	841	0.03	4.60	0.32	0.01
Ilesha	875	0.03	4.26	0.30	0.01
Zaria	876	0.03	4.26	0.30	0.01
Onitsha	881	0.03	4.18	0.29	0.01
Kaduna	927	0.03	3.85	0.27	0.01
Enugu	967	0.02	3.55	0.25	0.01
Aba	986	0.02	3.36	0.24	0.01
Benin City	1,083	0.02	2.59	0.18	0.01
Others		0.03	4.90	0.34	0.01
<b>Total</b>		<b>0.67</b>	<b>100.00</b>	<b>7.01</b>	<b>0.27</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.37 REPUBLIC OF CONGO

Year	Aluminum (US \$ mln): Republic of Congo 2001 - 2011		% of Globe
	Republic of Congo	% of Region	
2001	0.02	0.19%	0.01%
2002	0.02	0.19%	0.01%
2003	0.02	0.19%	0.01%
2004	0.02	0.19%	0.01%
2005	0.02	0.19%	0.01%
2006	0.02	0.19%	0.01%
2007	0.02	0.19%	0.01%
2008	0.02	0.19%	0.01%
2009	0.02	0.19%	0.01%
2010	0.02	0.19%	0.01%
2011	0.02	0.19%	0.01%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Republic of Congo: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Brazzaville	1,325	0.01	58.32	0.11	0.00
Pointe-Noire	1,565	0.01	29.16	0.05	0.00
Nkayi	1,944	0.00	3.72	0.01	0.00
Loubomo	1,953	0.00	3.62	0.01	0.00
Ngamaba-Mfilou	2,000	0.00	2.45	0.00	0.00
Loandjili	2,030	0.00	1.57	0.00	0.00
Mossendjo	2,039	0.00	1.17	0.00	0.00
<b>Total</b>		<b>0.02</b>	<b>100.00</b>	<b>0.19</b>	<b>0.01</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.38 REUNION

Year	Aluminum (US \$ mln): Reunion 2001 - 2011		% of Globe
	Reunion	% of Region	
2001	0.02	0.21%	0.01%
2002	0.02	0.20%	0.01%
2003	0.02	0.20%	0.01%
2004	0.02	0.20%	0.01%
2005	0.02	0.20%	0.01%
2006	0.02	0.20%	0.01%
2007	0.02	0.20%	0.01%
2008	0.02	0.20%	0.01%
2009	0.02	0.20%	0.01%
2010	0.02	0.21%	0.01%
2011	0.02	0.21%	0.01%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Reunion: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Saint-Denis	1,504	0.01	32.61	0.07	0.00
Saint-Paul	1,652	0.00	19.41	0.04	0.00
Saint-Pierre	1,711	0.00	15.90	0.03	0.00
Le Tampon	1,752	0.00	12.94	0.03	0.00
Saint-Louis	1,798	0.00	9.97	0.02	0.00
Le Port	1,819	0.00	9.16	0.02	0.00
<b>Total</b>		<b>0.02</b>	<b>100.00</b>	<b>0.20</b>	<b>0.01</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 3.39 RWANDA

<b>Aluminum (US \$ mln): Rwanda 2001 - 2011</b>			
<b>Year</b>	<b>Rwanda</b>	<b>% of Region</b>	<b>% of Globe</b>
2001	0.04	0.40%	0.02%
2002	0.04	0.40%	0.02%
2003	0.04	0.39%	0.02%
2004	0.04	0.39%	0.02%
2005	0.04	0.38%	0.02%
2006	0.04	0.39%	0.02%
2007	0.04	0.39%	0.02%
2008	0.04	0.40%	0.02%
2009	0.04	0.40%	0.02%
2010	0.05	0.41%	0.02%
2011	0.05	0.41%	0.02%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Rwanda: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Kigali	925	0.03	69.78	0.27	0.01
Butare	1,660	0.00	9.78	0.04	0.00
Ruhengeri	1,747	0.00	7.11	0.03	0.00
Gisenyi	1,795	0.00	5.33	0.02	0.00
Nyabisindu	1,837	0.00	4.44	0.02	0.00
Cyangugu	1,870	0.00	3.56	0.01	0.00
<b>Total</b>		<b>0.04</b>	<b>100.00</b>	<b>0.39</b>	<b>0.02</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.40 SAO TOME E PRINCIPE

Year	Aluminum (US \$ mln): Sao Tome E Principe 2001 - 2011		
	Sao Tome E Principe	% of Region	% of Globe
2001	0.00	0.01%	0.00%
2002	0.00	0.01%	0.00%
2003	0.00	0.01%	0.00%
2004	0.00	0.01%	0.00%
2005	0.00	0.01%	0.00%
2006	0.00	0.01%	0.00%
2007	0.00	0.01%	0.00%
2008	0.00	0.01%	0.00%
2009	0.00	0.01%	0.00%
2010	0.00	0.01%	0.00%
2011	0.00	0.01%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Sao Tome E Principe: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Sao Tome	1,904	0.00	97.22	0.01	0.00
Santo Antonio	2,075	0.00	2.78	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.01</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.41 SENEGAL

Year	Aluminum (US \$ mln): Senegal 2001 - 2011		
	Senegal	% of Region	% of Globe
2001	0.09	1.00%	0.04%
2002	0.09	0.99%	0.04%
2003	0.09	0.98%	0.04%
2004	0.09	0.97%	0.04%
2005	0.09	0.96%	0.04%
2006	0.09	0.97%	0.04%
2007	0.10	0.98%	0.04%
2008	0.10	0.99%	0.04%
2009	0.11	1.00%	0.04%
2010	0.11	1.01%	0.04%
2011	0.12	1.02%	0.04%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)



Senegal: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Dakar	528	0.07	71.64	0.69	0.03
Thies	1,451	0.01	8.09	0.08	0.00
Kaolack	1,507	0.01	6.84	0.07	0.00
Zinguinchor	1,567	0.01	5.55	0.05	0.00
Saint-Louis	1,593	0.00	5.03	0.05	0.00
Diourbel	1,745	0.00	2.85	0.03	0.00
<b>Total</b>		<b>0.09</b>	<b>100.00</b>	<b>0.97</b>	<b>0.04</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 3.42 SIERRA LEONE

Aluminum (US \$ mln): Sierra Leone 2001 - 2011			
Year	Sierra Leone	% of Region	% of Globe
2001	0.01	0.16%	0.01%
2002	0.01	0.16%	0.01%
2003	0.01	0.16%	0.01%
2004	0.01	0.16%	0.01%
2005	0.01	0.16%	0.01%
2006	0.02	0.16%	0.01%
2007	0.02	0.16%	0.01%
2008	0.02	0.16%	0.01%
2009	0.02	0.16%	0.01%
2010	0.02	0.16%	0.01%
2011	0.02	0.17%	0.01%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Sierra Leone: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Freetown	1,196	0.01	88.18	0.14	0.01
Bo	1,931	0.00	4.88	0.01	0.00
Kenema	2,005	0.00	2.44	0.00	0.00
Makeni	2,008	0.00	2.25	0.00	0.00
Port Loko	2,045	0.00	1.13	0.00	0.00
Bonthe	2,046	0.00	1.13	0.00	0.00
<b>Total</b>		<b>0.02</b>	<b>100.00</b>	<b>0.16</b>	<b>0.01</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.43 SOMALIA

Year	Aluminum (US \$ mln): Somalia 2001 - 2011		% of Globe
	Somalia	% of Region	
2001	0.02	0.25%	0.01%
2002	0.02	0.25%	0.01%
2003	0.02	0.25%	0.01%
2004	0.02	0.26%	0.01%
2005	0.02	0.26%	0.01%
2006	0.02	0.26%	0.01%
2007	0.03	0.25%	0.01%
2008	0.03	0.25%	0.01%
2009	0.03	0.25%	0.01%
2010	0.03	0.25%	0.01%
2011	0.03	0.25%	0.01%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Somalia: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Mogadishu	1,323	0.01	42.66	0.11	0.00
Hargeysa	1,625	0.00	17.06	0.04	0.00
Burao	1,707	0.00	12.80	0.03	0.00
Baidoa	1,708	0.00	12.80	0.03	0.00
Kismaayo	1,789	0.00	8.53	0.02	0.00
Berbera	1,934	0.00	2.99	0.01	0.00
Marka	1,957	0.00	2.56	0.01	0.00
Giohar	2,056	0.00	0.60	0.00	0.00
<b>Total</b>		<b>0.02</b>	<b>100.00</b>	<b>0.26</b>	<b>0.01</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.44 SOUTH AFRICA

Year	Aluminum (US \$ mln): South Africa 2001 - 2011		% of Globe
	South Africa	% of Region	
2001	1.94	21.89%	0.88%
2002	1.96	21.95%	0.87%
2003	1.98	22.00%	0.87%
2004	2.00	22.04%	0.87%
2005	2.02	22.07%	0.87%
2006	2.10	22.04%	0.86%
2007	2.18	22.00%	0.85%
2008	2.27	21.95%	0.85%
2009	2.36	21.90%	0.84%
2010	2.45	21.85%	0.83%
2011	2.55	21.79%	0.82%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

South Africa: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Johannesburg	80	0.66	31.46	6.93	0.27
Cape Town	102	0.55	26.26	5.79	0.23
Pretoria	108	0.52	24.90	5.49	0.21
Durban	269	0.15	6.93	1.53	0.06
Roodepoort	673	0.05	2.21	0.49	0.02
Germiston	748	0.04	1.82	0.40	0.02
Boksburg	772	0.04	1.73	0.38	0.01
Umlazi	902	0.03	1.27	0.28	0.01
Bloemfontein	1,026	0.02	0.97	0.21	0.01
Pietermaritzburg	1,033	0.02	0.95	0.21	0.01
Port Elizabeth	1,057	0.02	0.88	0.19	0.01
East London	1,213	0.01	0.63	0.14	0.01
<b>Total</b>		<b>2.10</b>	<b>100.00</b>	<b>22.04</b>	<b>0.86</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 3.45 SUDAN

Aluminum (US \$ mln): Sudan 2001 - 2011			
Year	Sudan	% of Region	% of Globe
2001	0.20	2.29%	0.09%
2002	0.20	2.25%	0.09%
2003	0.20	2.21%	0.09%
2004	0.20	2.18%	0.09%
2005	0.20	2.15%	0.08%
2006	0.21	2.17%	0.08%
2007	0.22	2.21%	0.09%
2008	0.23	2.25%	0.09%
2009	0.25	2.29%	0.09%
2010	0.26	2.33%	0.09%
2011	0.28	2.36%	0.09%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Sudan: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Omdurman	559	0.06	29.89	0.65	0.03
Khartoum	593	0.06	26.85	0.58	0.02
Port Sudan	936	0.03	12.24	0.27	0.01
Wadi Medani	1,099	0.02	8.01	0.17	0.01
Al Obeid	1,107	0.02	7.90	0.17	0.01
Atbara	1,260	0.01	5.81	0.13	0.00
Kassala	1,272	0.01	5.64	0.12	0.00
Kosti	1,447	0.01	3.67	0.08	0.00
<b>Total</b>		<b>0.21</b>	<b>100.00</b>	<b>2.17</b>	<b>0.08</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.46 SWAZILAND

Year	Aluminum (US \$ mln): Swaziland 2001 - 2011		% of Globe
	Swaziland	% of Region	
2001	0.02	0.26%	0.01%
2002	0.02	0.26%	0.01%
2003	0.02	0.26%	0.01%
2004	0.02	0.26%	0.01%
2005	0.02	0.26%	0.01%
2006	0.02	0.26%	0.01%
2007	0.03	0.26%	0.01%
2008	0.03	0.26%	0.01%
2009	0.03	0.26%	0.01%
2010	0.03	0.26%	0.01%
2011	0.03	0.26%	0.01%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Swaziland: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Mbabane	1,270	0.01	46.99	0.12	0.00
Manzini	1,551	0.01	21.69	0.06	0.00
Big Bend	1,718	0.00	12.05	0.03	0.00
Mhlume	1,786	0.00	8.43	0.02	0.00
Nhlangano	1,881	0.00	4.82	0.01	0.00
Pigg's Peak	1,914	0.00	3.61	0.01	0.00
Siteki	1,963	0.00	2.41	0.01	0.00
<b>Total</b>		<b>0.02</b>	<b>100.00</b>	<b>0.26</b>	<b>0.01</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.47 TANZANIA

Year	Aluminum (US \$ mln): Tanzania 2001 - 2011		% of Globe
	Tanzania	% of Region	
2001	0.14	1.56%	0.06%
2002	0.14	1.54%	0.06%
2003	0.14	1.53%	0.06%
2004	0.14	1.52%	0.06%
2005	0.14	1.51%	0.06%
2006	0.14	1.52%	0.06%
2007	0.15	1.53%	0.06%
2008	0.16	1.54%	0.06%
2009	0.17	1.55%	0.06%
2010	0.18	1.57%	0.06%
2011	0.18	1.58%	0.06%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Tanzania: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Dar es Salaam	429	0.08	57.47	0.87	0.03
Mwanza	1,262	0.01	8.30	0.13	0.00
Zanzibar	1,265	0.01	8.22	0.12	0.00
Tanga	1,294	0.01	7.70	0.12	0.00
Mbeya	1,417	0.01	5.75	0.09	0.00
Tabora	1,459	0.01	5.01	0.08	0.00
Arusha	1,530	0.01	4.11	0.06	0.00
Dodoma	1,574	0.00	3.44	0.05	0.00
<b>Total</b>		<b>0.14</b>	<b>100.00</b>	<b>1.52</b>	<b>0.06</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 3.48 THE GAMBIA

Aluminum (US \$ mln): The Gambia 2001 - 2011			
Year	The Gambia	% of Region	% of Globe
2001	0.01	0.09%	0.00%
2002	0.01	0.09%	0.00%
2003	0.01	0.09%	0.00%
2004	0.01	0.09%	0.00%
2005	0.01	0.09%	0.00%
2006	0.01	0.09%	0.00%
2007	0.01	0.09%	0.00%
2008	0.01	0.09%	0.00%
2009	0.01	0.09%	0.00%
2010	0.01	0.09%	0.00%
2011	0.01	0.09%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

The Gambia: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Serekunda	1,628	0.00	47.69	0.04	0.00
Banjul	1,823	0.00	20.37	0.02	0.00
Brikama	1,927	0.00	9.26	0.01	0.00
Bakau	1,930	0.00	8.80	0.01	0.00
Farefenni	2,003	0.00	4.63	0.00	0.00
Sukuta	2,027	0.00	3.24	0.00	0.00
Gunjur	2,028	0.00	3.24	0.00	0.00
Basse Santa Su	2,062	0.00	1.39	0.00	0.00
Georgetown	2,063	0.00	1.39	0.00	0.00
<b>Total</b>		<b>0.01</b>	<b>100.00</b>	<b>0.09</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.49 TOGO

Year	Aluminum (US \$ mln): Togo 2001 - 2011		
	Togo	% of Region	% of Globe
2001	0.04	0.44%	0.02%
2002	0.04	0.44%	0.02%
2003	0.04	0.44%	0.02%
2004	0.04	0.44%	0.02%
2005	0.04	0.44%	0.02%
2006	0.04	0.44%	0.02%
2007	0.04	0.44%	0.02%
2008	0.05	0.44%	0.02%
2009	0.05	0.44%	0.02%
2010	0.05	0.44%	0.02%
2011	0.05	0.44%	0.02%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Togo: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Lome	890	0.03	66.06	0.29	0.01
Sokodé	1,661	0.00	8.66	0.04	0.00
Palimé	1,760	0.00	5.78	0.03	0.00
Atakpamé	1,792	0.00	4.87	0.02	0.00
Bassari	1,835	0.00	3.97	0.02	0.00
Tsévié	1,874	0.00	3.07	0.01	0.00
Anécho	1,898	0.00	2.53	0.01	0.00
Mango	1,906	0.00	2.35	0.01	0.00
Bafilo	1,932	0.00	1.81	0.01	0.00
Tabligbo	2,006	0.00	0.90	0.00	0.00
<b>Total</b>		<b>0.04</b>	<b>100.00</b>	<b>0.44</b>	<b>0.02</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.50 TUNISIA

Year	Aluminum (US \$ mln): Tunisia 2001 - 2011		
	Tunisia	% of Region	% of Globe
2001	0.34	3.88%	0.16%
2002	0.34	3.85%	0.15%
2003	0.34	3.82%	0.15%
2004	0.34	3.79%	0.15%
2005	0.35	3.77%	0.15%
2006	0.36	3.79%	0.15%
2007	0.38	3.82%	0.15%
2008	0.40	3.85%	0.15%
2009	0.42	3.87%	0.15%
2010	0.44	3.90%	0.15%
2011	0.46	3.93%	0.15%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Tunisia: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Tunis	270	0.14	40.17	1.52	0.06
Sfax	587	0.06	15.61	0.59	0.02
Ariana	958	0.02	6.66	0.25	0.01
Bizerte	977	0.02	6.39	0.24	0.01
Djerba	990	0.02	6.19	0.23	0.01
Gabes	991	0.02	6.19	0.23	0.01
Sousse	1,025	0.02	5.65	0.21	0.01
Kairouan	1,078	0.02	4.85	0.18	0.01
La Goulette	1,144	0.02	4.17	0.16	0.01
Gafsa	1,157	0.01	4.10	0.16	0.01
<b>Total</b>		<b>0.36</b>	<b>100.00</b>	<b>3.79</b>	<b>0.15</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 3.51 UGANDA

<b>Aluminum (US \$ mln): Uganda 2001 - 2011</b>			
<b>Year</b>	<b>Uganda</b>	<b>% of Region</b>	<b>% of Globe</b>
2001	0.15	1.65%	0.07%
2002	0.15	1.63%	0.06%
2003	0.14	1.61%	0.06%
2004	0.14	1.59%	0.06%
2005	0.14	1.57%	0.06%
2006	0.15	1.59%	0.06%
2007	0.16	1.61%	0.06%
2008	0.17	1.63%	0.06%
2009	0.18	1.65%	0.06%
2010	0.19	1.67%	0.06%
2011	0.20	1.69%	0.06%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Uganda: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Kampala	358	0.11	70.72	1.12	0.04
Jinja	1,244	0.01	8.17	0.13	0.01
Masaka	1,484	0.01	4.47	0.07	0.00
Mbale	1,494	0.01	4.31	0.07	0.00
Mbarara	1,555	0.01	3.54	0.06	0.00
Entebbe	1,577	0.00	3.24	0.05	0.00
Gulu	1,621	0.00	2.77	0.04	0.00
Tororo	1,622	0.00	2.77	0.04	0.00
<b>Total</b>		<b>0.15</b>	<b>100.00</b>	<b>1.59</b>	<b>0.06</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.52 WESTERN SAHARA

Year	Aluminum (US \$ mln): Western Sahara 2001 - 2011		% of Globe
	Western Sahara	% of Region	
2001	0.00	0.00%	0.00%
2002	0.00	0.00%	0.00%
2003	0.00	0.00%	0.00%
2004	0.00	0.00%	0.00%
2005	0.00	0.00%	0.00%
2006	0.00	0.00%	0.00%
2007	0.00	0.00%	0.00%
2008	0.00	0.00%	0.00%
2009	0.00	0.00%	0.00%
2010	0.00	0.00%	0.00%
2011	0.00	0.00%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Western Sahara: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Laayoune	2,022	0.00	72.31	0.00	0.00
Semara	2,071	0.00	13.85	0.00	0.00
Dakhla	2,072	0.00	13.85	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.00</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 3.53 ZAMBIA

Year	Aluminum (US \$ mln): Zambia 2001 - 2011		% of Globe
	Zambia	% of Region	
2001	0.05	0.51%	0.02%
2002	0.05	0.51%	0.02%
2003	0.05	0.51%	0.02%
2004	0.05	0.51%	0.02%
2005	0.05	0.51%	0.02%
2006	0.05	0.51%	0.02%
2007	0.05	0.51%	0.02%
2008	0.05	0.51%	0.02%
2009	0.06	0.51%	0.02%
2010	0.06	0.52%	0.02%
2011	0.06	0.52%	0.02%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)



City	Zambia: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Lusaka	1,146	0.01	30.87	0.16	0.01
Kitwe	1,425	0.01	16.75	0.09	0.00
Ndola	1,444	0.01	15.72	0.08	0.00
Kabwe	1,674	0.00	7.10	0.04	0.00
Mufulira	1,675	0.00	7.06	0.04	0.00
Chingola	1,683	0.00	6.88	0.04	0.00
Luanshya	1,732	0.00	5.89	0.03	0.00
Livingstone	1,828	0.00	3.48	0.02	0.00
Kalulushi	1,838	0.00	3.34	0.02	0.00
Chililabombwe	1,860	0.00	2.91	0.01	0.00
<b>Total</b>		<b>0.05</b>	<b>100.00</b>	<b>0.51</b>	<b>0.02</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 3.54 ZIMBABWE

Year	Aluminum (US \$ mln): Zimbabwe 2001 - 2011		
	Zimbabwe	% of Region	% of Globe
2001	0.12	1.39%	0.06%
2002	0.13	1.46%	0.06%
2003	0.14	1.53%	0.06%
2004	0.15	1.61%	0.06%
2005	0.15	1.67%	0.07%
2006	0.15	1.61%	0.06%
2007	0.15	1.54%	0.06%
2008	0.15	1.47%	0.06%
2009	0.15	1.40%	0.05%
2010	0.15	1.33%	0.05%
2011	0.15	1.27%	0.05%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Zimbabwe: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Harare	564	0.06	40.01	0.64	0.03
Bulawayo	744	0.04	25.21	0.41	0.02
Chitungwiza	1,061	0.02	11.87	0.19	0.01
Gweru	1,467	0.01	4.64	0.07	0.00
Mutare	1,508	0.01	4.11	0.07	0.00
Kwekwe	1,610	0.00	2.82	0.05	0.00
Kadoma	1,632	0.00	2.64	0.04	0.00
Hwange	1,669	0.00	2.29	0.04	0.00
Masvingo	1,736	0.00	1.82	0.03	0.00
Chegutu	1,757	0.00	1.59	0.03	0.00
Zvishavane	1,758	0.00	1.59	0.03	0.00
Chinhoyi	1,780	0.00	1.41	0.02	0.00
<b>Total</b>		<b>0.15</b>	<b>100.00</b>	<b>1.61</b>	<b>0.06</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 4 ASIA

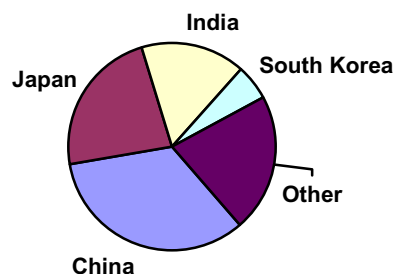
### 4.1 EXECUTIVE SUMMARY

#### Market Potential for Aluminum in Asia (US \$ mln): 2006

Country	Latent Demand US \$ mln	% of Asia
China	26.18	33.73%
Japan	17.74	22.86%
India	12.68	16.33%
South Korea	4.47	5.76%
Indonesia	3.75	4.83%
Thailand	2.36	3.04%
Taiwan	2.23	2.87%
Philippines	1.77	2.28%
Malaysia	1.30	1.68%
Bangladesh	1.17	1.50%
Hong Kong	1.06	1.37%
Vietnam	0.89	1.14%
Singapore	0.65	0.83%
Burma	0.37	0.47%
Sri Lanka	0.36	0.46%
Nepal	0.19	0.25%
North Korea	0.12	0.16%
Cambodia	0.09	0.12%
Papua New Guinea	0.07	0.09%
Laos	0.05	0.07%
Macau	0.04	0.06%
Brunei	0.03	0.04%
Mongolia	0.03	0.03%
Bhutan	0.01	0.02%
Maldives	0.00	0.00%
Other	0.00	0.00%
<b>Total</b>	<b>77.60</b>	<b>100.00%</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### Market Potential for Aluminum in Asia (US \$ mln): 2006



**The Market for Aluminum in Asia: 2001 - 2011**

<b>Year</b>	<b>US \$ mln</b>	<b>% of Globe</b>
2001	74.97	33.78
2002	74.67	33.26
2003	74.33	32.75
2004	73.98	32.23
2005	74.18	31.80
2006	77.60	31.86
2007	81.75	32.01
2008	86.14	32.15
2009	90.77	32.31
2010	95.67	32.46
2011	100.86	32.61

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

**4.2 BANGLADESH****Aluminum (US \$ mln): Bangladesh 2001 - 2011**

<b>Year</b>	<b>Aluminum (US \$ mln): Bangladesh</b>	<b>% of Region</b>	<b>% of Globe</b>
2001	1.12	1.49%	0.50%
2002	1.12	1.50%	0.50%
2003	1.11	1.50%	0.49%
2004	1.11	1.50%	0.48%
2005	1.12	1.50%	0.48%
2006	1.17	1.50%	0.48%
2007	1.23	1.50%	0.48%
2008	1.29	1.50%	0.48%
2009	1.36	1.49%	0.48%
2010	1.43	1.49%	0.48%
2011	1.50	1.49%	0.48%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Bangladesh: Aluminum in 2006, US \$ mln</b>					
City	World Rank	US \$ mln	%Country	%Region	%World
Dhaka	115	0.49	41.79	0.63	0.20
Chittagong	212	0.20	17.31	0.26	0.08
Khulna	286	0.13	11.41	0.17	0.05
Narayanganj	591	0.06	4.79	0.07	0.02
Rajshahi	621	0.05	4.49	0.07	0.02
Mymensingh	739	0.04	3.37	0.05	0.02
Comilla	755	0.04	3.25	0.05	0.02
Barisal	782	0.04	3.06	0.05	0.01
Sylhet	796	0.03	2.97	0.04	0.01
Rangpur	834	0.03	2.70	0.04	0.01
Jessore	840	0.03	2.63	0.04	0.01
Saidpur	915	0.03	2.24	0.03	0.01
<b>Total</b>		<b>1.17</b>	<b>100.00</b>	<b>1.50</b>	<b>0.48</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 4.3 BHUTAN

Year	<b>Aluminum (US \$ mln): Bhutan 2001 - 2011</b>		
	Bhutan	% of Region	% of Globe
2001	0.01	0.02%	0.01%
2002	0.01	0.02%	0.01%
2003	0.01	0.02%	0.01%
2004	0.01	0.02%	0.01%
2005	0.01	0.02%	0.01%
2006	0.01	0.02%	0.01%
2007	0.01	0.02%	0.01%
2008	0.01	0.02%	0.01%
2009	0.02	0.02%	0.01%
2010	0.02	0.02%	0.01%
2011	0.02	0.02%	0.01%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Bhutan: Aluminum in 2006, US \$ mln</b>					
City	World Rank	US \$ mln	%Country	%Region	%World
Thimphu	1,678	0.00	25.32	0.00	0.00
Taga Dzong	1,696	0.00	24.05	0.00	0.00
Punakha	1,774	0.00	16.46	0.00	0.00
Bumthang	1,811	0.00	13.92	0.00	0.00
Phuntsholing	1,830	0.00	12.66	0.00	0.00
Paro	1,984	0.00	3.80	0.00	0.00
Tongsa Dzong	1,985	0.00	3.80	0.00	0.00
<b>Total</b>		<b>0.01</b>	<b>100.00</b>	<b>0.02</b>	<b>0.01</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 4.4 BRUNEI

Year	Aluminum (US \$ mln): Brunei 2001 - 2011		% of Globe
	Brunei	% of Region	
2001	0.03	0.04%	0.01%
2002	0.03	0.04%	0.01%
2003	0.03	0.04%	0.01%
2004	0.03	0.04%	0.01%
2005	0.03	0.04%	0.01%
2006	0.03	0.04%	0.01%
2007	0.03	0.04%	0.01%
2008	0.04	0.04%	0.01%
2009	0.04	0.04%	0.01%
2010	0.04	0.04%	0.01%
2011	0.04	0.04%	0.01%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Brunei: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Bandar Seri Begawan	1,059	0.02	54.74	0.02	0.01
Seria	1,410	0.01	25.26	0.01	0.00
Kuala Belait	1,486	0.01	20.00	0.01	0.00
<b>Total</b>		<b>0.03</b>	<b>100.00</b>	<b>0.04</b>	<b>0.01</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 4.5 BURMA

Year	Aluminum (US \$ mln): Burma 2001 - 2011		% of Globe
	Burma	% of Region	
2001	0.35	0.46%	0.16%
2002	0.35	0.47%	0.16%
2003	0.35	0.47%	0.15%
2004	0.35	0.47%	0.15%
2005	0.35	0.47%	0.15%
2006	0.37	0.47%	0.15%
2007	0.38	0.47%	0.15%
2008	0.40	0.47%	0.15%
2009	0.42	0.46%	0.15%
2010	0.44	0.46%	0.15%
2011	0.46	0.46%	0.15%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Burma: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Yangon	192	0.23	64.22	0.30	0.10
Mandalay	641	0.05	13.92	0.07	0.02
Moulmein	1,015	0.02	5.75	0.03	0.01
Pegu	1,174	0.01	3.92	0.02	0.01
Bassein	1,194	0.01	3.76	0.02	0.01
Sittwe	1,326	0.01	2.82	0.01	0.00
Taunggye	1,327	0.01	2.82	0.01	0.00
Monywa	1,333	0.01	2.79	0.01	0.00
<b>Total</b>		<b>0.37</b>	<b>100.00</b>	<b>0.47</b>	<b>0.15</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### 4.6 CAMBODIA

<b>Aluminum (US \$ mln): Cambodia 2001 - 2011</b>			
<b>Year</b>	<b>Cambodia</b>	<b>% of Region</b>	<b>% of Globe</b>
2001	0.09	0.12%	0.04%
2002	0.09	0.12%	0.04%
2003	0.09	0.12%	0.04%
2004	0.09	0.12%	0.04%
2005	0.09	0.12%	0.04%
2006	0.09	0.12%	0.04%
2007	0.10	0.12%	0.04%
2008	0.10	0.12%	0.04%
2009	0.10	0.12%	0.04%
2010	0.11	0.11%	0.04%
2011	0.11	0.11%	0.04%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Cambodia: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Bhnom Penh	481	0.07	77.88	0.09	0.03
Kompong Cham	1,028	0.02	22.12	0.03	0.01
<b>Total</b>		<b>0.09</b>	<b>100.00</b>	<b>0.12</b>	<b>0.04</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 4.7 CHINA

Year	Aluminum (US \$ mln): China 2001 - 2011		% of Globe
	China	% of Region	
2001	26.17	34.90%	11.79%
2002	25.78	34.52%	11.48%
2003	25.37	34.13%	11.18%
2004	24.97	33.75%	10.88%
2005	24.82	33.45%	10.64%
2006	26.18	33.73%	10.75%
2007	27.88	34.10%	10.92%
2008	29.69	34.47%	11.08%
2009	31.62	34.83%	11.25%
2010	33.68	35.20%	11.42%
2011	35.86	35.56%	11.60%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	China: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Shanghai	5	3.75	14.32	4.83	1.54
Beijing	6	3.12	11.93	4.03	1.28
Chongqing	9	2.64	10.10	3.41	1.09
Guangzhou	11	2.41	9.21	3.11	0.99
Chengdu	14	2.22	8.48	2.86	0.91
Tianjin	18	1.92	7.33	2.47	0.79
Harbin	30	1.27	4.84	1.63	0.52
Nanjing	31	1.26	4.80	1.62	0.52
Wuhan	32	1.25	4.78	1.61	0.51
Jinan	36	1.16	4.43	1.49	0.48
Shenyang	38	1.06	4.07	1.37	0.44
Changchun	41	1.02	3.89	1.31	0.42
Xi'an	43	1.01	3.85	1.30	0.41
Dalian	48	0.96	3.66	1.24	0.39
Shenzhen	78	0.67	2.54	0.86	0.27
Others		0.46	1.76	0.59	0.19
<b>Total</b>		<b>26.18</b>	<b>100.00</b>	<b>33.73</b>	<b>10.75</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)



## 4.8 HONG KONG

Year	Aluminum (US \$ mln): Hong Kong 2001 - 2011		% of Globe
	Hong Kong	% of Region	
2001	1.09	1.46%	0.49%
2002	1.07	1.43%	0.48%
2003	1.04	1.40%	0.46%
2004	1.01	1.37%	0.44%
2005	1.00	1.35%	0.43%
2006	1.06	1.37%	0.44%
2007	1.14	1.40%	0.45%
2008	1.23	1.43%	0.46%
2009	1.32	1.45%	0.47%
2010	1.42	1.48%	0.48%
2011	1.53	1.51%	0.49%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Hong Kong: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Hong Kong	39	1.06	100.00	1.37	0.44
<b>Total</b>		<b>1.06</b>	<b>100.00</b>	<b>1.37</b>	<b>0.44</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 4.9 INDIA

Year	Aluminum (US \$ mln): India 2001 - 2011		% of Globe
	India	% of Region	
2001	12.30	16.40%	5.54%
2002	12.23	16.38%	5.45%
2003	12.16	16.36%	5.36%
2004	12.08	16.34%	5.27%
2005	12.10	16.31%	5.19%
2006	12.68	16.33%	5.20%
2007	13.37	16.36%	5.24%
2008	14.11	16.38%	5.27%
2009	14.88	16.40%	5.30%
2010	15.70	16.41%	5.33%
2011	16.57	16.43%	5.36%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>India: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Maharashtra State	16	2.19	17.25	2.82	0.90
Uttar Pradesh State	26	1.50	11.84	1.93	0.62
West Bengal State	42	1.01	7.99	1.31	0.42
Andhra Pradesh State	46	0.97	7.68	1.25	0.40
Tamil Nadu State	52	0.87	6.89	1.13	0.36
Gujarat State	59	0.79	6.23	1.02	0.32
Madhya Pradesh State	61	0.79	6.22	1.02	0.32
Karnataka State	68	0.72	5.65	0.92	0.29
Bihar State	69	0.71	5.64	0.92	0.29
Rajasthan State	98	0.56	4.41	0.72	0.23
Punjab State	101	0.56	4.38	0.72	0.23
Haryana State	133	0.40	3.15	0.51	0.16
Kerala State	142	0.37	2.93	0.48	0.15
Orissa State	164	0.32	2.50	0.41	0.13
Union Territories	170	0.29	2.31	0.38	0.12
Others		0.63	4.94	0.81	0.26
<b>Total</b>		<b>12.68</b>	<b>100.00</b>	<b>16.33</b>	<b>5.20</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### 4.10 INDONESIA

<b>Year</b>	<b>Aluminum (US \$ mln): Indonesia 2001 - 2011</b>		
	<b>Indonesia</b>	<b>% of Region</b>	<b>% of Globe</b>
2001	3.57	4.76%	1.61%
2002	3.57	4.78%	1.59%
2003	3.57	4.81%	1.57%
2004	3.57	4.83%	1.56%
2005	3.59	4.84%	1.54%
2006	3.75	4.83%	1.54%
2007	3.93	4.81%	1.54%
2008	4.12	4.79%	1.54%
2009	4.32	4.76%	1.54%
2010	4.54	4.74%	1.54%
2011	4.76	4.72%	1.54%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Indonesia: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Jawa Barat	75	0.68	18.11	0.87	0.28
DKI Jakarta	92	0.60	15.94	0.77	0.25
Jawa Timur	95	0.57	15.31	0.74	0.24
Jawa Tengah	138	0.39	10.34	0.50	0.16
Sumatra Utara	207	0.21	5.62	0.27	0.09
Riau	237	0.17	4.58	0.22	0.07
Kalimantan Timur	283	0.13	3.58	0.17	0.06
Sumatra Selatan	295	0.13	3.46	0.17	0.05
Daerah Istimewa Aceh	341	0.11	2.97	0.14	0.05
Sulawesi Selatan	418	0.09	2.35	0.11	0.04
Sumatra Barat	492	0.07	1.86	0.09	0.03
Lampung	507	0.07	1.83	0.09	0.03
Kalimantan Barat	519	0.07	1.78	0.09	0.03
Bali	539	0.06	1.72	0.08	0.03
Irian Jaya	566	0.06	1.63	0.08	0.03
Others		0.33	8.91	0.43	0.14
<b>Total</b>		<b>3.75</b>	<b>100.00</b>	<b>4.83</b>	<b>1.54</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### 4.11 JAPAN

<b>Year</b>	<b>Aluminum (US \$ mln): Japan 2001 - 2011</b>		<b>% of Globe</b>
	<b>Japan</b>	<b>% of Region</b>	
2001	16.02	21.36%	7.22%
2002	16.32	21.85%	7.27%
2003	16.61	22.34%	7.32%
2004	16.90	22.84%	7.36%
2005	17.23	23.22%	7.39%
2006	17.74	22.86%	7.28%
2007	18.30	22.38%	7.16%
2008	18.88	21.91%	7.05%
2009	19.47	21.45%	6.93%
2010	20.08	20.99%	6.81%
2011	20.72	20.54%	6.70%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Japan: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Tokyo (23-wards)	7	2.97	16.75	3.83	1.22
Yokohama	33	1.20	6.79	1.55	0.49
Nagoya	73	0.69	3.88	0.89	0.28
Osaka	81	0.66	3.70	0.85	0.27
Sapporo	119	0.47	2.66	0.61	0.19
Kawasaki	131	0.43	2.41	0.55	0.18
Kyoto	135	0.39	2.20	0.50	0.16
Kobe	143	0.37	2.09	0.48	0.15
Fukuoka	151	0.35	1.97	0.45	0.14
Hiroshima	155	0.33	1.88	0.43	0.14
Chiba	177	0.28	1.59	0.36	0.12
Sendai	178	0.28	1.58	0.36	0.12
Kitakyushu	196	0.23	1.29	0.30	0.09
Sakai	203	0.22	1.23	0.28	0.09
Sagamihara	217	0.19	1.08	0.25	0.08
Others		8.67	48.89	11.18	3.56
<b>Total</b>		<b>17.74</b>	<b>100.00</b>	<b>22.86</b>	<b>7.28</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### 4.12 LAOS

<b>Aluminum (US \$ mln): Laos 2001 - 2011</b>			
<b>Year</b>	<b>Laos</b>	<b>% of Region</b>	<b>% of Globe</b>
2001	0.05	0.06%	0.02%
2002	0.05	0.07%	0.02%
2003	0.05	0.07%	0.02%
2004	0.05	0.07%	0.02%
2005	0.05	0.07%	0.02%
2006	0.05	0.07%	0.02%
2007	0.05	0.07%	0.02%
2008	0.06	0.07%	0.02%
2009	0.06	0.06%	0.02%
2010	0.06	0.06%	0.02%
2011	0.06	0.06%	0.02%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Laos: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Vientiane	783	0.04	69.30	0.05	0.01
Savannakhet	1,581	0.00	9.38	0.01	0.00
Pakse	1,613	0.00	8.27	0.01	0.00
Luang Prabang	1,624	0.00	8.09	0.01	0.00
Sayaboury	1,869	0.00	2.57	0.00	0.00
Khammouane	1,877	0.00	2.39	0.00	0.00
<b>Total</b>		<b>0.05</b>	<b>100.00</b>	<b>0.07</b>	<b>0.02</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### 4.13 MACAU

Aluminum (US \$ mln): Macau 2001 - 2011			
Year	Macau	% of Region	% of Globe
2001	0.04	0.05%	0.02%
2002	0.04	0.05%	0.02%
2003	0.04	0.06%	0.02%
2004	0.04	0.06%	0.02%
2005	0.04	0.06%	0.02%
2006	0.04	0.06%	0.02%
2007	0.05	0.06%	0.02%
2008	0.05	0.05%	0.02%
2009	0.05	0.05%	0.02%
2010	0.05	0.05%	0.02%
2011	0.05	0.05%	0.02%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Macau: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Macau	715	0.04	94.12	0.05	0.02
Taipa	1,793	0.00	4.52	0.00	0.00
Coloane	1,965	0.00	1.36	0.00	0.00
<b>Total</b>		<b>0.04</b>	<b>100.00</b>	<b>0.06</b>	<b>0.02</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 4.14 MALAYSIA

Year	Aluminum (US \$ mln): Malaysia 2001 - 2011		% of Globe
	Malaysia	% of Region	
2001	1.32	1.76%	0.59%
2002	1.29	1.73%	0.58%
2003	1.27	1.71%	0.56%
2004	1.24	1.68%	0.54%
2005	1.23	1.66%	0.53%
2006	1.30	1.68%	0.54%
2007	1.39	1.70%	0.55%
2008	1.49	1.73%	0.56%
2009	1.59	1.75%	0.57%
2010	1.70	1.77%	0.58%
2011	1.81	1.80%	0.59%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Malaysia: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Kuala Lumpur	173	0.29	22.08	0.37	0.12
Ipoh	394	0.10	7.38	0.12	0.04
Johor Baharu	431	0.08	6.34	0.11	0.03
Melaka	467	0.07	5.71	0.10	0.03
Petaling Jaya	545	0.06	4.92	0.08	0.03
Tawai	560	0.06	4.72	0.08	0.03
Kelang	563	0.06	4.70	0.08	0.03
Kuala Terengganu	581	0.06	4.41	0.07	0.02
Sandakan	585	0.06	4.31	0.07	0.02
Kota Baharu	596	0.06	4.24	0.07	0.02
George Town	597	0.06	4.23	0.07	0.02
Kota Kinabalu	620	0.05	4.02	0.07	0.02
Kuantan	649	0.05	3.83	0.06	0.02
Taiping	677	0.05	3.53	0.06	0.02
Seremban	680	0.05	3.52	0.06	0.02
Others		0.16	12.06	0.20	0.06
<b>Total</b>		<b>1.30</b>	<b>100.00</b>	<b>1.68</b>	<b>0.54</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 4.15 MALDIVES

Year	Aluminum (US \$ mln): Maldives 2001 - 2011		% of Globe
	Maldives	% of Region	
2001	0.00	0.00%	0.00%
2002	0.00	0.00%	0.00%
2003	0.00	0.00%	0.00%
2004	0.00	0.00%	0.00%
2005	0.00	0.00%	0.00%
2006	0.00	0.00%	0.00%
2007	0.00	0.00%	0.00%
2008	0.00	0.00%	0.00%
2009	0.00	0.00%	0.00%
2010	0.00	0.00%	0.00%
2011	0.00	0.00%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Maldives: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Male	1,673	0.00	100.00	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.00</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 4.16 MONGOLIA

Year	Aluminum (US \$ mln): Mongolia 2001 - 2011		% of Globe
	Mongolia	% of Region	
2001	0.02	0.03%	0.01%
2002	0.02	0.03%	0.01%
2003	0.02	0.03%	0.01%
2004	0.02	0.03%	0.01%
2005	0.03	0.03%	0.01%
2006	0.03	0.03%	0.01%
2007	0.03	0.03%	0.01%
2008	0.03	0.03%	0.01%
2009	0.03	0.03%	0.01%
2010	0.03	0.03%	0.01%
2011	0.03	0.03%	0.01%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Mongolia: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Ulaanbaatar	1,038	0.02	74.25	0.03	0.01
Darhan	1,734	0.00	10.84	0.00	0.00
Erdenedalay	1,849	0.00	5.83	0.00	0.00
Choybalsan	1,924	0.00	3.12	0.00	0.00
Nalayh	1,980	0.00	2.03	0.00	0.00
Ulaangom	1,981	0.00	2.03	0.00	0.00
Uliastay	1,987	0.00	1.90	0.00	0.00
<b>Total</b>		<b>0.03</b>	<b>100.00</b>	<b>0.03</b>	<b>0.01</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### 4.17 NEPAL

Aluminum (US \$ mln): Nepal 2001 - 2011			
Year	Nepal	% of Region	% of Globe
2001	0.18	0.24%	0.08%
2002	0.18	0.24%	0.08%
2003	0.18	0.24%	0.08%
2004	0.18	0.25%	0.08%
2005	0.18	0.25%	0.08%
2006	0.19	0.25%	0.08%
2007	0.20	0.25%	0.08%
2008	0.21	0.24%	0.08%
2009	0.22	0.24%	0.08%
2010	0.23	0.24%	0.08%
2011	0.24	0.24%	0.08%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Nepal: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Kathmandu	642	0.05	26.43	0.07	0.02
Sallyan	817	0.03	17.10	0.04	0.01
Pyuthan	828	0.03	16.65	0.04	0.01
Jumla	874	0.03	14.85	0.04	0.01
Biratnagar	1,029	0.02	10.57	0.03	0.01
Lalitpur	1,081	0.02	9.00	0.02	0.01
Bhaktapur	1,322	0.01	5.40	0.01	0.00
<b>Total</b>		<b>0.19</b>	<b>100.00</b>	<b>0.25</b>	<b>0.08</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)



## 4.18 NORTH KOREA

Year	Aluminum (US \$ mln): North Korea 2001 - 2011		
	North Korea	% of Region	% of Globe
2001	0.10	0.14%	0.05%
2002	0.11	0.14%	0.05%
2003	0.11	0.15%	0.05%
2004	0.12	0.16%	0.05%
2005	0.12	0.16%	0.05%
2006	0.12	0.16%	0.05%
2007	0.12	0.15%	0.05%
2008	0.12	0.14%	0.05%
2009	0.12	0.14%	0.04%
2010	0.13	0.13%	0.04%
2011	0.13	0.13%	0.04%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	North Korea: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Pyongyang	658	0.05	39.81	0.06	0.02
Chongjin	1,189	0.01	11.37	0.02	0.01
Nampo	1,235	0.01	10.42	0.02	0.01
Sinuiju	1,373	0.01	7.54	0.01	0.00
Hungnam	1,455	0.01	6.03	0.01	0.00
Wonsan	1,502	0.01	5.28	0.01	0.00
Kaesong	1,503	0.01	5.22	0.01	0.00
Hamhung	1,525	0.01	4.90	0.01	0.00
Kimchaek	1,566	0.01	4.24	0.01	0.00
Haeju	1,642	0.00	3.21	0.01	0.00
Sariwon	1,765	0.00	1.96	0.00	0.00
<b>Total</b>		<b>0.12</b>	<b>100.00</b>	<b>0.16</b>	<b>0.05</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 4.19 PAPUA NEW GUINEA

Year	Aluminum (US \$ mln): Papua New Guinea 2001 - 2011		% of Globe
	Papua New Guinea	% of Region	
2001	0.06	0.09%	0.03%
2002	0.06	0.09%	0.03%
2003	0.07	0.09%	0.03%
2004	0.07	0.09%	0.03%
2005	0.07	0.09%	0.03%
2006	0.07	0.09%	0.03%
2007	0.07	0.09%	0.03%
2008	0.07	0.09%	0.03%
2009	0.08	0.09%	0.03%
2010	0.08	0.08%	0.03%
2011	0.08	0.08%	0.03%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Papua New Guinea: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Port Moresby	832	0.03	45.92	0.04	0.01
Lae	1,096	0.02	24.17	0.02	0.01
Madang	1,561	0.01	7.55	0.01	0.00
Wewak	1,582	0.00	6.95	0.01	0.00
Goroka	1,594	0.00	6.65	0.01	0.00
Rabaul	1,679	0.00	4.83	0.00	0.00
Mount Hagen	1,738	0.00	3.93	0.00	0.00
<b>Total</b>		<b>0.07</b>	<b>100.00</b>	<b>0.09</b>	<b>0.03</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 4.20 PHILIPPINES

Year	Aluminum (US \$ mln): Philippines 2001 - 2011		% of Globe
	Philippines	% of Region	
2001	1.65	2.20%	0.74%
2002	1.66	2.23%	0.74%
2003	1.67	2.25%	0.74%
2004	1.68	2.27%	0.73%
2005	1.70	2.29%	0.73%
2006	1.77	2.28%	0.72%
2007	1.84	2.25%	0.72%
2008	1.92	2.23%	0.72%
2009	2.00	2.21%	0.71%
2010	2.09	2.18%	0.71%
2011	2.18	2.16%	0.70%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Philippines: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Manila	22	1.56	88.46	2.01	0.64
Quezon City	771	0.04	2.05	0.05	0.01
Davao	1,020	0.02	1.18	0.03	0.01
Cebu	1,154	0.01	0.84	0.02	0.01
Caloocan	1,187	0.01	0.79	0.02	0.01
Makati	1,350	0.01	0.55	0.01	0.00
Zamboanga	1,355	0.01	0.54	0.01	0.00
Cagayan de Oro	1,386	0.01	0.51	0.01	0.00
Pasig	1,407	0.01	0.49	0.01	0.00
Pasay	1,412	0.01	0.48	0.01	0.00
Las Pinas	1,420	0.01	0.47	0.01	0.00
Bacolod	1,452	0.01	0.42	0.01	0.00
Valenzuela	1,454	0.01	0.42	0.01	0.00
Marikina	1,485	0.01	0.38	0.01	0.00
Paranaque	1,487	0.01	0.38	0.01	0.00
Others		0.04	2.06	0.05	0.01
<b>Total</b>		<b>1.77</b>	<b>100.00</b>	<b>2.28</b>	<b>0.72</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### 4.21 SEYCHELLES

Aluminum (US \$ mln): Seychelles 2001 - 2011			
Year	Seychelles	% of Region	% of Globe
2001	0.00	0.00%	0.00%
2002	0.00	0.00%	0.00%
2003	0.00	0.00%	0.00%
2004	0.00	0.00%	0.00%
2005	0.00	0.00%	0.00%
2006	0.00	0.00%	0.00%
2007	0.00	0.00%	0.00%
2008	0.00	0.00%	0.00%
2009	0.00	0.00%	0.00%
2010	0.00	0.00%	0.00%
2011	0.00	0.00%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Seychelles: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Victoria	1,761	0.00	69.70	0.00	0.00
Anse Boileau	2,002	0.00	12.12	0.00	0.00
Cascade	2,016	0.00	9.09	0.00	0.00
Anse Royale	2,017	0.00	9.09	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.00</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 4.22 SINGAPORE

Year	Aluminum (US \$ mln): Singapore 2001 - 2011		% of Globe
	Singapore	% of Region	
2001	0.67	0.89%	0.30%
2002	0.65	0.87%	0.29%
2003	0.63	0.85%	0.28%
2004	0.62	0.83%	0.27%
2005	0.61	0.82%	0.26%
2006	0.65	0.83%	0.26%
2007	0.69	0.85%	0.27%
2008	0.75	0.87%	0.28%
2009	0.80	0.88%	0.29%
2010	0.86	0.90%	0.29%
2011	0.93	0.92%	0.30%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Singapore: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Singapore	83	0.65	100.00	0.83	0.26
<b>Total</b>		<b>0.65</b>	<b>100.00</b>	<b>0.83</b>	<b>0.26</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 4.23 SOUTH KOREA

Year	Aluminum (US \$ mln): South Korea 2001 - 2011		% of Globe
	South Korea	% of Region	
2001	4.53	6.05%	2.04%
2002	4.44	5.95%	1.98%
2003	4.35	5.86%	1.92%
2004	4.26	5.76%	1.86%
2005	4.22	5.69%	1.81%
2006	4.47	5.76%	1.83%
2007	4.78	5.85%	1.87%
2008	5.12	5.94%	1.91%
2009	5.47	6.03%	1.95%
2010	5.86	6.12%	1.99%
2011	6.27	6.21%	2.03%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

South Korea: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Seoul	17	2.18	48.85	2.81	0.90
Pusan	103	0.55	12.29	0.71	0.23
Inchon	137	0.39	8.68	0.50	0.16
Taegu	165	0.32	7.05	0.41	0.13
Kwangju	221	0.19	4.16	0.24	0.08
Taejon	222	0.19	4.16	0.24	0.08
Ulsan	234	0.18	3.99	0.23	0.07
Suwon	248	0.16	3.62	0.21	0.07
Masan	361	0.11	2.37	0.14	0.04
Chonju	414	0.09	1.99	0.11	0.04
Cheju	442	0.08	1.81	0.10	0.03
Mokpo	682	0.05	1.03	0.06	0.02
<b>Total</b>		<b>4.47</b>	<b>100.00</b>	<b>5.76</b>	<b>1.83</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### 4.24 SRI LANKA

Aluminum (US \$ mln): Sri Lanka 2001 - 2011			
Year	Sri Lanka	% of Region	% of Globe
2001	0.35	0.46%	0.16%
2002	0.35	0.46%	0.15%
2003	0.35	0.46%	0.15%
2004	0.34	0.46%	0.15%
2005	0.34	0.46%	0.15%
2006	0.36	0.46%	0.15%
2007	0.38	0.46%	0.15%
2008	0.40	0.46%	0.15%
2009	0.42	0.46%	0.15%
2010	0.44	0.46%	0.15%
2011	0.47	0.46%	0.15%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Sri Lanka: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Colombo	245	0.16	45.56	0.21	0.07
Dehiwala	681	0.05	12.74	0.06	0.02
Jaffna	797	0.03	9.54	0.04	0.01
Moratuwa	809	0.03	9.21	0.04	0.01
Kandy	838	0.03	8.67	0.04	0.01
Galle	913	0.03	7.27	0.03	0.01
Negombo	1,161	0.01	4.07	0.02	0.01
Trincomalee	1,314	0.01	2.94	0.01	0.00
<b>Total</b>		<b>0.36</b>	<b>100.00</b>	<b>0.46</b>	<b>0.15</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 4.25 TAIWAN

Year	Aluminum (US \$ mln): Taiwan 2001 - 2011		% of Globe
	Taiwan	% of Region	
2001	2.17	2.89%	0.98%
2002	2.16	2.89%	0.96%
2003	2.14	2.88%	0.94%
2004	2.12	2.87%	0.93%
2005	2.12	2.86%	0.91%
2006	2.23	2.87%	0.91%
2007	2.35	2.88%	0.92%
2008	2.49	2.89%	0.93%
2009	2.63	2.89%	0.93%
2010	2.77	2.90%	0.94%
2011	2.93	2.91%	0.95%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Taiwan: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Taipei	77	0.67	29.96	0.86	0.27
Kaohsiung	179	0.28	12.60	0.36	0.12
Taichung	219	0.19	8.52	0.24	0.08
Tainan	329	0.11	5.14	0.15	0.05
Panchiao	410	0.09	4.07	0.12	0.04
Hsinchu	521	0.07	2.99	0.09	0.03
Chungho	527	0.07	2.97	0.09	0.03
Sanchung	535	0.07	2.92	0.08	0.03
Keelung	561	0.06	2.77	0.08	0.03
Chungli	633	0.05	2.30	0.07	0.02
Chiayi	651	0.05	2.23	0.06	0.02
Taoyuan	675	0.05	2.07	0.06	0.02
Fengshan	694	0.04	2.01	0.06	0.02
Hsintien	708	0.04	1.92	0.06	0.02
Yungho	731	0.04	1.79	0.05	0.02
Others		0.35	15.72	0.45	0.14
<b>Total</b>		<b>2.23</b>	<b>100.00</b>	<b>2.87</b>	<b>0.91</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 4.26 THAILAND

Year	Aluminum (US \$ mln): Thailand 2001 - 2011		% of Globe
	Thailand	% of Region	
2001	2.23	2.97%	1.00%
2002	2.24	2.99%	1.00%
2003	2.24	3.02%	0.99%
2004	2.25	3.04%	0.98%
2005	2.27	3.06%	0.97%
2006	2.36	3.04%	0.97%
2007	2.47	3.02%	0.97%
2008	2.58	3.00%	0.96%
2009	2.70	2.97%	0.96%
2010	2.82	2.95%	0.96%
2011	2.95	2.93%	0.96%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Thailand: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Bangkok	15	2.20	93.11	2.83	0.90
Chon Buri	439	0.08	3.46	0.11	0.03
Songkhla	941	0.02	1.06	0.03	0.01
Nakhon Ratchasima	1,156	0.01	0.63	0.02	0.01
Chiang Mai	1,173	0.01	0.61	0.02	0.01
Khon Kaen	1,223	0.01	0.55	0.02	0.01
Nakhon Si Thammarat	1,365	0.01	0.40	0.01	0.00
Phitsanulok	1,631	0.00	0.17	0.01	0.00
Hat Yai	1,972	0.00	0.02	0.00	0.00
<b>Total</b>		<b>2.36</b>	<b>100.00</b>	<b>3.04</b>	<b>0.97</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 4.27 VIETNAM

Year	Aluminum (US \$ mln): Vietnam 2001 - 2011		% of Globe
	Vietnam	% of Region	
2001	0.85	1.14%	0.38%
2002	0.85	1.14%	0.38%
2003	0.85	1.14%	0.37%
2004	0.85	1.14%	0.37%
2005	0.85	1.14%	0.36%
2006	0.89	1.14%	0.36%
2007	0.93	1.14%	0.37%
2008	0.98	1.14%	0.37%
2009	1.03	1.14%	0.37%
2010	1.09	1.14%	0.37%
2011	1.15	1.14%	0.37%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Vietnam: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Ho Chi Minh	181	0.28	31.46	0.36	0.11
Can Tho	190	0.24	26.70	0.31	0.10
Hanoi	250	0.16	18.05	0.21	0.07
Thai Nguyen	494	0.07	7.83	0.09	0.03
Da Nang	497	0.07	7.81	0.09	0.03
Hue	608	0.05	6.15	0.07	0.02
Pleyku	1,072	0.02	2.00	0.02	0.01
<b>Total</b>		<b>0.89</b>	<b>100.00</b>	<b>1.14</b>	<b>0.36</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)



## 5 EUROPE & THE MIDDLE EAST

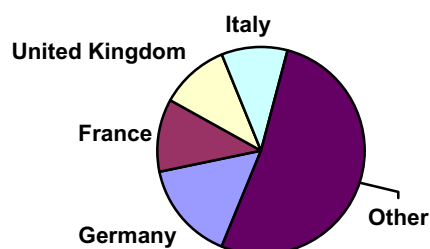
### 5.1 EXECUTIVE SUMMARY

#### Market Potential for Aluminum in Europe & the Middle East (US \$ mln): 2006

Country	Latent Demand US \$ mln	% of Europe & the Middle East
Germany	10.99	15.46%
France	8.23	11.57%
United Kingdom	7.72	10.86%
Italy	7.22	10.15%
Spain	4.11	5.78%
Russia	3.23	4.54%
Turkey	2.56	3.60%
Netherlands	2.22	3.12%
Poland	1.88	2.64%
Pakistan	1.62	2.27%
Belgium	1.48	2.08%
Saudi Arabia	1.32	1.86%
Switzerland	1.18	1.65%
Iran	1.17	1.65%
Austria	1.15	1.62%
Sweden	1.13	1.58%
Ukraine	1.09	1.53%
Greece	1.04	1.46%
Portugal	0.90	1.27%
Denmark	0.77	1.09%
Czech Republic	0.75	1.05%
Romania	0.75	1.05%
Norway	0.70	0.99%
Finland	0.68	0.96%
Hungary	0.65	0.92%
Other	6.58	9.25%
<b>Total</b>	<b>71.12</b>	<b>100.00%</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### Market Potential for Aluminum in Europe & the Middle East (US \$ mln): 2006



## The Market for Aluminum in Europe &amp; the Middle East: 2001 - 2011

Year	US \$ mln	% of Globe
2001	66.79	30.10
2002	67.16	29.92
2003	67.47	29.73
2004	67.78	29.53
2005	68.43	29.34
2006	71.12	29.20
2007	74.27	29.08
2008	77.56	28.95
2009	81.00	28.83
2010	84.61	28.70
2011	88.38	28.58

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.2 AFGHANISTAN

## Aluminum (US \$ mln): Afghanistan 2001 - 2011

Year	Afghanistan	% of Region	% of Globe
2001	0.10	0.16%	0.05%
2002	0.11	0.16%	0.05%
2003	0.11	0.16%	0.05%
2004	0.11	0.17%	0.05%
2005	0.11	0.17%	0.05%
2006	0.12	0.17%	0.05%
2007	0.12	0.16%	0.05%
2008	0.12	0.16%	0.05%
2009	0.13	0.16%	0.05%
2010	0.13	0.15%	0.04%
2011	0.13	0.15%	0.04%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## Afghanistan: Aluminum in 2006, US \$ mln

City	World Rank	US \$ mln	%Country	%Region	%World
Kabul	464	0.08	64.17	0.11	0.03
Qandahar	1,261	0.01	10.18	0.02	0.00
Herat	1,362	0.01	7.98	0.01	0.00
Mazar-e-Sharif	1,477	0.01	5.90	0.01	0.00
Jalalabad	1,713	0.00	2.61	0.00	0.00
Qonduz	1,717	0.00	2.57	0.00	0.00
Baghlan	1,777	0.00	1.85	0.00	0.00
Meymaneh	1,784	0.00	1.80	0.00	0.00
Pol-e-Khomri	1,824	0.00	1.49	0.00	0.00
Ghazni	1,827	0.00	1.44	0.00	0.00
<b>Total</b>		<b>0.12</b>	<b>100.00</b>	<b>0.17</b>	<b>0.05</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.3 ALBANIA

Year	Aluminum (US \$ mln): Albania 2001 - 2011		% of Globe
	Albania	% of Region	
2001	0.06	0.09%	0.03%
2002	0.06	0.09%	0.03%
2003	0.06	0.09%	0.03%
2004	0.06	0.09%	0.03%
2005	0.06	0.08%	0.02%
2006	0.06	0.09%	0.03%
2007	0.06	0.09%	0.03%
2008	0.07	0.09%	0.03%
2009	0.07	0.09%	0.03%
2010	0.08	0.09%	0.03%
2011	0.08	0.09%	0.03%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Albania: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Tirane	1,035	0.02	32.42	0.03	0.01
Durres	1,479	0.01	11.33	0.01	0.00
Elbasan	1,481	0.01	11.19	0.01	0.00
Shkoder	1,489	0.01	10.90	0.01	0.00
Vlore	1,526	0.01	9.76	0.01	0.00
Korce	1,550	0.01	8.90	0.01	0.00
Berat	1,662	0.00	5.88	0.01	0.00
Fier	1,670	0.00	5.74	0.00	0.00
Lushnje	1,767	0.00	3.87	0.00	0.00
<b>Total</b>		<b>0.06</b>	<b>100.00</b>	<b>0.09</b>	<b>0.03</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.4 ANDORRA

Year	Aluminum (US \$ mln): Andorra 2001 - 2011		% of Globe
	Andorra	% of Region	
2001	0.01	0.01%	0.00%
2002	0.01	0.01%	0.00%
2003	0.01	0.01%	0.00%
2004	0.01	0.01%	0.00%
2005	0.01	0.01%	0.00%
2006	0.01	0.01%	0.00%
2007	0.01	0.01%	0.00%
2008	0.01	0.01%	0.00%
2009	0.01	0.01%	0.00%
2010	0.01	0.01%	0.00%
2011	0.01	0.01%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Andorra: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Andorra la Vella	1,634	0.00	60.00	0.01	0.00
Les Escaldes	1,742	0.00	40.00	0.00	0.00
<b>Total</b>		<b>0.01</b>	<b>100.00</b>	<b>0.01</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.5 ARMENIA

Aluminum (US \$ mln): Armenia 2001 - 2011			
Year	Armenia	% of Region	% of Globe
2001	0.05	0.08%	0.02%
2002	0.05	0.08%	0.02%
2003	0.05	0.08%	0.02%
2004	0.05	0.08%	0.02%
2005	0.05	0.08%	0.02%
2006	0.06	0.08%	0.02%
2007	0.06	0.08%	0.02%
2008	0.06	0.08%	0.02%
2009	0.07	0.08%	0.02%
2010	0.07	0.08%	0.02%
2011	0.07	0.08%	0.02%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Armenia: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Yerevan	821	0.03	56.57	0.05	0.01
Gyumri	1,553	0.01	9.39	0.01	0.00
Kirovakan	1,602	0.00	7.74	0.01	0.00
Hrazdan	1,833	0.00	2.89	0.00	0.00
Echmiadzin	1,843	0.00	2.75	0.00	0.00
Abovian	1,846	0.00	2.70	0.00	0.00
Kaphan	1,876	0.00	2.15	0.00	0.00
Hoktemberian	1,890	0.00	2.02	0.00	0.00
Charentsavan	1,909	0.00	1.65	0.00	0.00
Artashat	1,917	0.00	1.51	0.00	0.00
Kamo	1,919	0.00	1.47	0.00	0.00
Goris	1,941	0.00	1.24	0.00	0.00
Sevan	1,942	0.00	1.24	0.00	0.00
Massis	1,945	0.00	1.15	0.00	0.00
Others		0.00	4.40	0.00	0.00
<b>Total</b>		<b>0.06</b>	<b>100.00</b>	<b>0.08</b>	<b>0.02</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.6 AUSTRIA

Year	Aluminum (US \$ mln): Austria 2001 - 2011		% of Globe
	Austria	% of Region	
2001	1.07	1.60%	0.48%
2002	1.08	1.61%	0.48%
2003	1.09	1.62%	0.48%
2004	1.10	1.62%	0.48%
2005	1.11	1.63%	0.48%
2006	1.15	1.62%	0.47%
2007	1.20	1.62%	0.47%
2008	1.25	1.61%	0.47%
2009	1.30	1.60%	0.46%
2010	1.35	1.60%	0.46%
2011	1.41	1.59%	0.45%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Austria: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Vienna	72	0.69	60.06	0.97	0.28
Graz	347	0.11	9.53	0.15	0.05
Linz	411	0.09	7.85	0.13	0.04
Salzburg	551	0.06	5.45	0.09	0.03
Innsbruck	619	0.05	4.59	0.07	0.02
Klagenfurt	738	0.04	3.41	0.06	0.02
Villach	959	0.02	2.08	0.03	0.01
Wels	974	0.02	2.00	0.03	0.01
Sankt Poelten	983	0.02	1.96	0.03	0.01
Steyr	1,084	0.02	1.49	0.02	0.01
Bregenz	1,233	0.01	1.10	0.02	0.01
Eisenstadt	1,549	0.01	0.47	0.01	0.00
<b>Total</b>		<b>1.15</b>	<b>100.00</b>	<b>1.62</b>	<b>0.47</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.7 AZERBAIJAN

Year	Aluminum (US \$ mln): Azerbaijan 2001 - 2011		% of Globe
	Azerbaijan	% of Region	
2001	0.15	0.22%	0.07%
2002	0.14	0.21%	0.06%
2003	0.14	0.20%	0.06%
2004	0.13	0.20%	0.06%
2005	0.13	0.19%	0.06%
2006	0.14	0.20%	0.06%
2007	0.15	0.20%	0.06%
2008	0.16	0.21%	0.06%
2009	0.18	0.22%	0.06%
2010	0.19	0.23%	0.06%
2011	0.21	0.23%	0.07%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Azerbaijan: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Baku	396	0.10	69.28	0.14	0.04
Gyandzha	1,134	0.02	10.96	0.02	0.01
Sumgait	1,234	0.01	9.11	0.02	0.01
Mingechaur	1,645	0.00	2.76	0.01	0.00
Sheki	1,724	0.00	2.09	0.00	0.00
Nakhichevan	1,735	0.00	2.01	0.00	0.00
Lenkoran	1,770	0.00	1.66	0.00	0.00
Stepanakert	1,805	0.00	1.38	0.00	0.00
Shemakha	1,899	0.00	0.75	0.00	0.00
<b>Total</b>		<b>0.14</b>	<b>100.00</b>	<b>0.20</b>	<b>0.06</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.8 BAHRAIN

Year	Aluminum (US \$ mln): Bahrain 2001 - 2011		% of Globe
	Bahrain	% of Region	
2001	0.06	0.08%	0.02%
2002	0.06	0.08%	0.02%
2003	0.06	0.08%	0.02%
2004	0.06	0.08%	0.02%
2005	0.06	0.08%	0.02%
2006	0.06	0.08%	0.02%
2007	0.06	0.08%	0.02%
2008	0.06	0.08%	0.02%
2009	0.07	0.08%	0.02%
2010	0.07	0.08%	0.02%
2011	0.07	0.08%	0.02%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Bahrain: Aluminum in 2006, US \$ mln</b>					
City	World Rank	US \$ mln	%Country	%Region	%World
Manama	868	0.03	49.67	0.04	0.01
Muharraq	1,159	0.01	25.49	0.02	0.01
Jidd Hafs	1,378	0.01	15.69	0.01	0.00
Isa Town	1,637	0.00	6.86	0.01	0.00
Al Hidd	1,868	0.00	2.29	0.00	0.00
<b>Total</b>		<b>0.06</b>	<b>100.00</b>	<b>0.08</b>	<b>0.02</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.9 BELARUS

<b>Aluminum (US \$ mln): Belarus 2001 - 2011</b>			
Year	Belarus	% of Region	% of Globe
2001	0.42	0.63%	0.19%
2002	0.43	0.63%	0.19%
2003	0.43	0.63%	0.19%
2004	0.43	0.63%	0.19%
2005	0.43	0.63%	0.19%
2006	0.45	0.63%	0.18%
2007	0.47	0.63%	0.18%
2008	0.49	0.63%	0.18%
2009	0.51	0.63%	0.18%
2010	0.54	0.63%	0.18%
2011	0.56	0.63%	0.18%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Belarus: Aluminum in 2006, US \$ mln</b>					
City	World Rank	US \$ mln	%Country	%Region	%World
Minsk	238	0.17	37.91	0.24	0.07
Gomel	616	0.05	11.93	0.08	0.02
Mogilyov	747	0.04	8.49	0.05	0.02
Vitebsk	758	0.04	8.35	0.05	0.02
Grodno	865	0.03	6.44	0.04	0.01
Brest	887	0.03	6.15	0.04	0.01
Bobruysk	961	0.02	5.32	0.03	0.01
Baranovichi	1,087	0.02	3.79	0.02	0.01
Borisov	1,129	0.02	3.44	0.02	0.01
Orsha	1,209	0.01	2.93	0.02	0.01
Pinsk	1,230	0.01	2.84	0.02	0.01
Mozyr	1,305	0.01	2.41	0.02	0.00
<b>Total</b>		<b>0.45</b>	<b>100.00</b>	<b>0.63</b>	<b>0.18</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.10 BELGIUM

Year	Aluminum (US \$ mln): Belgium 2001 - 2011		% of Globe
	Belgium	% of Region	
2001	1.39	2.09%	0.63%
2002	1.40	2.09%	0.62%
2003	1.41	2.08%	0.62%
2004	1.41	2.08%	0.61%
2005	1.42	2.08%	0.61%
2006	1.48	2.08%	0.61%
2007	1.55	2.08%	0.61%
2008	1.62	2.09%	0.60%
2009	1.69	2.09%	0.60%
2010	1.77	2.09%	0.60%
2011	1.85	2.09%	0.60%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Belgium: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Brussels	109	0.52	34.89	0.73	0.21
Antwerp	185	0.25	17.12	0.36	0.10
Ghent	309	0.12	8.38	0.17	0.05
Charleroi	339	0.11	7.52	0.16	0.05
Liege	359	0.11	7.19	0.15	0.04
Bruges	553	0.06	4.24	0.09	0.03
Namur	603	0.05	3.71	0.08	0.02
Mons	663	0.05	3.24	0.07	0.02
Leuven	696	0.04	3.02	0.06	0.02
Aalst	721	0.04	2.77	0.06	0.02
Kortrijk	723	0.04	2.73	0.06	0.02
Mechelen	724	0.04	2.73	0.06	0.02
Oostende	773	0.04	2.45	0.05	0.01
<b>Total</b>		<b>1.48</b>	<b>100.00</b>	<b>2.08</b>	<b>0.61</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)



## 5.11 BOSNIA AND HERZEGOVINA

Year	Aluminum (US \$ mln): Bosnia and Herzegovina 2001 - 2011		
	Bosnia and Herzegovina	% of Region	% of Globe
2001	0.04	0.06%	0.02%
2002	0.04	0.06%	0.02%
2003	0.04	0.05%	0.02%
2004	0.04	0.05%	0.02%
2005	0.04	0.05%	0.02%
2006	0.04	0.05%	0.02%
2007	0.04	0.05%	0.02%
2008	0.04	0.06%	0.02%
2009	0.05	0.06%	0.02%
2010	0.05	0.06%	0.02%
2011	0.05	0.06%	0.02%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Bosnia and Herzegovina: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Sarajevo	1,153	0.01	39.33	0.02	0.01
Banja Luca	1,546	0.01	14.57	0.01	0.00
Zenica	1,627	0.00	10.84	0.01	0.00
Tuzla	1,657	0.00	9.80	0.01	0.00
Mostar	1,664	0.00	9.44	0.01	0.00
Prijedor	1,699	0.00	8.37	0.00	0.00
Doboj	1,726	0.00	7.63	0.00	0.00
<b>Total</b>		<b>0.04</b>	<b>100.00</b>	<b>0.05</b>	<b>0.02</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.12 BULGARIA

Year	Aluminum (US \$ mln): Bulgaria 2001 - 2011		
	Bulgaria	% of Region	% of Globe
2001	0.26	0.39%	0.12%
2002	0.26	0.39%	0.12%
2003	0.26	0.39%	0.12%
2004	0.26	0.39%	0.11%
2005	0.26	0.39%	0.11%
2006	0.28	0.39%	0.11%
2007	0.29	0.39%	0.11%
2008	0.30	0.39%	0.11%
2009	0.32	0.39%	0.11%
2010	0.33	0.40%	0.11%
2011	0.35	0.40%	0.11%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Bulgaria: Aluminum in 2006, US \$ mln</b>					
City	World Rank	US \$ mln	%Country	%Region	%World
Sofia	356	0.11	39.05	0.15	0.04
Plovdiv	800	0.03	12.35	0.05	0.01
Varna	863	0.03	10.58	0.04	0.01
Burgas	1,050	0.02	6.85	0.03	0.01
Ruse	1,064	0.02	6.57	0.03	0.01
Stara Zagora	1,155	0.01	5.40	0.02	0.01
Pleven	1,231	0.01	4.64	0.02	0.01
Tolbukhin	1,315	0.01	3.84	0.01	0.00
Sliven	1,335	0.01	3.70	0.01	0.00
Shumen	1,338	0.01	3.67	0.01	0.00
Pernik	1,371	0.01	3.36	0.01	0.00
<b>Total</b>		<b>0.28</b>	<b>100.00</b>	<b>0.39</b>	<b>0.11</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 5.13 CROATIA

<b>Aluminum (US \$ mln): Croatia 2001 - 2011</b>			
Year	Croatia	% of Region	% of Globe
2001	0.13	0.20%	0.06%
2002	0.13	0.20%	0.06%
2003	0.13	0.20%	0.06%
2004	0.13	0.20%	0.06%
2005	0.14	0.20%	0.06%
2006	0.14	0.20%	0.06%
2007	0.15	0.20%	0.06%
2008	0.15	0.20%	0.06%
2009	0.16	0.20%	0.06%
2010	0.17	0.20%	0.06%
2011	0.17	0.20%	0.06%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Croatia: Aluminum in 2006, US \$ mln</b>					
City	World Rank	US \$ mln	%Country	%Region	%World
Zagreb	447	0.08	56.52	0.11	0.03
Rijeka	1,205	0.01	9.38	0.02	0.01
Split	1,245	0.01	8.71	0.02	0.01
Osijek	1,307	0.01	7.65	0.02	0.00
Zadar	1,428	0.01	5.58	0.01	0.00
Slavonski Brod	1,458	0.01	5.10	0.01	0.00
Vukovar	1,545	0.01	3.90	0.01	0.00
Dubrovnik	1,599	0.00	3.17	0.01	0.00
<b>Total</b>		<b>0.14</b>	<b>100.00</b>	<b>0.20</b>	<b>0.06</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.14 CYPRUS

Year	Aluminum (US \$ mln): Cyprus 2001 - 2011		% of Globe
	Cyprus	% of Region	
2001	0.05	0.08%	0.02%
2002	0.05	0.08%	0.02%
2003	0.05	0.08%	0.02%
2004	0.05	0.08%	0.02%
2005	0.05	0.08%	0.02%
2006	0.06	0.08%	0.02%
2007	0.06	0.08%	0.02%
2008	0.06	0.08%	0.02%
2009	0.06	0.08%	0.02%
2010	0.06	0.08%	0.02%
2011	0.07	0.08%	0.02%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Cyprus: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Nicosia	955	0.02	43.83	0.03	0.01
Limassol	1,079	0.02	31.50	0.02	0.01
Larnaca	1,442	0.01	13.91	0.01	0.00
Famagusta	1,529	0.01	10.76	0.01	0.00
<b>Total</b>		<b>0.06</b>	<b>100.00</b>	<b>0.08</b>	<b>0.02</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.15 CZECH REPUBLIC

Year	Aluminum (US \$ mln): Czech Republic 2001 - 2011		% of Globe
	Czech Republic	% of Region	
2001	0.69	1.03%	0.31%
2002	0.70	1.04%	0.31%
2003	0.71	1.05%	0.31%
2004	0.71	1.05%	0.31%
2005	0.73	1.06%	0.31%
2006	0.75	1.05%	0.31%
2007	0.78	1.05%	0.30%
2008	0.81	1.04%	0.30%
2009	0.84	1.03%	0.30%
2010	0.87	1.03%	0.29%
2011	0.90	1.02%	0.29%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Czech Republic: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Prague	153	0.33	44.62	0.47	0.14
Brno	355	0.11	14.35	0.15	0.04
Ostrava	409	0.09	12.21	0.13	0.04
Plzen	657	0.05	6.47	0.07	0.02
Olomouc	854	0.03	3.92	0.04	0.01
Usti nad Labem	862	0.03	3.88	0.04	0.01
Liberec	873	0.03	3.81	0.04	0.01
Hradec Kralove	883	0.03	3.70	0.04	0.01
Pardubice	907	0.03	3.51	0.04	0.01
Ceske Budejovice	908	0.03	3.51	0.04	0.01
<b>Total</b>		<b>0.75</b>	<b>100.00</b>	<b>1.05</b>	<b>0.31</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### 5.16 DENMARK

<b>Aluminum (US \$ mln): Denmark 2001 - 2011</b>			
<b>Year</b>	<b>Denmark</b>	<b>% of Region</b>	<b>% of Globe</b>
2001	0.71	1.07%	0.32%
2002	0.72	1.07%	0.32%
2003	0.73	1.08%	0.32%
2004	0.74	1.09%	0.32%
2005	0.75	1.09%	0.32%
2006	0.77	1.09%	0.32%
2007	0.80	1.08%	0.31%
2008	0.83	1.08%	0.31%
2009	0.87	1.07%	0.31%
2010	0.90	1.06%	0.31%
2011	0.94	1.06%	0.30%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Denmark: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Copenhagen	130	0.43	55.68	0.60	0.18
Aarhus	436	0.08	10.63	0.12	0.03
Odense	595	0.06	7.17	0.08	0.02
Aalborg	654	0.05	6.38	0.07	0.02
Esbjerg	923	0.03	3.34	0.04	0.01
Randers	1,039	0.02	2.51	0.03	0.01
Helsingor	1,062	0.02	2.35	0.03	0.01
Kolding	1,063	0.02	2.35	0.03	0.01
Herning	1,068	0.02	2.31	0.03	0.01
Horsens	1,077	0.02	2.27	0.02	0.01
Vejle	1,182	0.01	1.81	0.02	0.01
Roskilde	1,232	0.01	1.65	0.02	0.01
Naestved	1,256	0.01	1.57	0.02	0.00
<b>Total</b>		<b>0.77</b>	<b>100.00</b>	<b>1.09</b>	<b>0.32</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### 5.17 ESTONIA

Aluminum (US \$ mln): Estonia 2001 - 2011			
Year	Estonia	% of Region	% of Globe
2001	0.08	0.12%	0.04%
2002	0.08	0.12%	0.04%
2003	0.08	0.12%	0.04%
2004	0.08	0.12%	0.04%
2005	0.08	0.12%	0.03%
2006	0.08	0.12%	0.03%
2007	0.09	0.12%	0.04%
2008	0.09	0.12%	0.04%
2009	0.10	0.12%	0.04%
2010	0.11	0.13%	0.04%
2011	0.11	0.13%	0.04%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Estonia: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Tallinn	660	0.05	56.71	0.07	0.02
Tartu	1,284	0.01	13.41	0.02	0.00
Narva	1,422	0.01	9.65	0.01	0.00
Kohtla-Järve	1,439	0.01	9.06	0.01	0.00
Pärnu	1,552	0.01	6.35	0.01	0.00
Sillamäe	1,787	0.00	2.47	0.00	0.00
Rakvere	1,794	0.00	2.35	0.00	0.00
<b>Total</b>		<b>0.08</b>	<b>100.00</b>	<b>0.12</b>	<b>0.03</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.18 FINLAND

Year	Aluminum (US \$ mln): Finland 2001 - 2011		% of Globe
	Finland	% of Region	
2001	0.66	0.98%	0.30%
2002	0.65	0.97%	0.29%
2003	0.65	0.97%	0.29%
2004	0.65	0.96%	0.28%
2005	0.65	0.95%	0.28%
2006	0.68	0.96%	0.28%
2007	0.72	0.96%	0.28%
2008	0.75	0.97%	0.28%
2009	0.79	0.98%	0.28%
2010	0.84	0.99%	0.28%
2011	0.88	1.00%	0.28%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Finland: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Helsinki	209	0.21	30.33	0.29	0.08
Tampere	479	0.07	10.54	0.10	0.03
Espoo	488	0.07	10.36	0.10	0.03
Turku	512	0.07	9.99	0.10	0.03
Vantaa	549	0.06	9.31	0.09	0.03
Oulu	716	0.04	6.10	0.06	0.02
Lahti	737	0.04	5.80	0.06	0.02
Pori	806	0.03	4.93	0.05	0.01
Kuopio	810	0.03	4.87	0.05	0.01
Jyvaskyla	886	0.03	4.07	0.04	0.01
Kotka	938	0.03	3.70	0.04	0.01
<b>Total</b>		<b>0.68</b>	<b>100.00</b>	<b>0.96</b>	<b>0.28</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.19 FRANCE

Year	Aluminum (US \$ mln): France 2001 - 2011		% of Globe
	France	% of Region	
2001	7.64	11.43%	3.44%
2002	7.71	11.48%	3.43%
2003	7.77	11.52%	3.43%
2004	7.84	11.57%	3.42%
2005	7.94	11.60%	3.40%
2006	8.23	11.57%	3.38%
2007	8.56	11.53%	3.35%
2008	8.91	11.48%	3.32%
2009	9.27	11.44%	3.30%
2010	9.64	11.40%	3.27%
2011	10.03	11.35%	3.24%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	France: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Paris	2	5.78	70.30	8.13	2.37
Marseille	123	0.46	5.63	0.65	0.19
Lyon	126	0.46	5.57	0.64	0.19
Lille	154	0.33	4.05	0.47	0.14
Toulouse	297	0.13	1.56	0.18	0.05
Nice	345	0.11	1.34	0.16	0.05
Strasbourg	346	0.11	1.34	0.15	0.05
Nantes	403	0.09	1.14	0.13	0.04
Rennes	428	0.08	1.01	0.12	0.03
Bordeaux	440	0.08	0.99	0.11	0.03
Saint-Etienne	452	0.08	0.94	0.11	0.03
Reims	483	0.07	0.87	0.10	0.03
Le Havre	484	0.07	0.87	0.10	0.03
Toulon	509	0.07	0.83	0.10	0.03
Grenoble	520	0.07	0.81	0.09	0.03
Others		0.23	2.75	0.32	0.09
<b>Total</b>		<b>8.23</b>	<b>100.00</b>	<b>11.57</b>	<b>3.38</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.20 GEORGIA

Year	Aluminum (US \$ mln): Georgia 2001 - 2011		% of Globe
	Georgia	% of Region	
2001	0.12	0.18%	0.05%
2002	0.12	0.18%	0.05%
2003	0.12	0.18%	0.05%
2004	0.12	0.18%	0.05%
2005	0.12	0.18%	0.05%
2006	0.13	0.18%	0.05%
2007	0.13	0.18%	0.05%
2008	0.14	0.18%	0.05%
2009	0.14	0.18%	0.05%
2010	0.15	0.17%	0.05%
2011	0.15	0.17%	0.05%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Georgia: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
T'bilisi	446	0.08	62.35	0.11	0.03
Kutaisi	1,145	0.01	11.63	0.02	0.01
Rustavi	1,337	0.01	7.87	0.01	0.00
Batumi	1,403	0.01	6.73	0.01	0.00
Sukhumi	1,438	0.01	5.99	0.01	0.00
Poti	1,691	0.00	2.52	0.00	0.00
Tskhinvali	1,785	0.00	1.63	0.00	0.00
Chiatura	1,832	0.00	1.29	0.00	0.00
<b>Total</b>		<b>0.13</b>	<b>100.00</b>	<b>0.18</b>	<b>0.05</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.21 GERMANY

Year	Aluminum (US \$ mln): Germany 2001 - 2011		% of Globe
	Germany	% of Region	
2001	10.19	15.26%	4.59%
2002	10.29	15.32%	4.58%
2003	10.38	15.39%	4.58%
2004	10.48	15.46%	4.56%
2005	10.61	15.50%	4.55%
2006	10.99	15.46%	4.51%
2007	11.43	15.40%	4.48%
2008	11.89	15.33%	4.44%
2009	12.37	15.27%	4.40%
2010	12.86	15.20%	4.36%
2011	13.38	15.14%	4.33%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)



Germany: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Berlin	12	2.23	20.32	3.14	0.92
Cologne	87	0.62	5.66	0.88	0.26
Dresden	139	0.39	3.51	0.54	0.16
Dusseldorf	144	0.37	3.36	0.52	0.15
Dortmund	145	0.37	3.34	0.52	0.15
Bremen	148	0.35	3.23	0.50	0.15
Duisburg	152	0.34	3.13	0.48	0.14
Cottbus	434	0.08	0.75	0.12	0.03
Dessau	518	0.07	0.61	0.09	0.03
<b>Total</b>		<b>4.83</b>	<b>43.91</b>	<b>6.79</b>	<b>1.98</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.22 GREECE

Year	Aluminum (US \$ mln): Greece 2001 - 2011		
	Greece	% of Region	% of Globe
2001	0.97	1.46%	0.44%
2002	0.98	1.46%	0.44%
2003	0.98	1.46%	0.43%
2004	0.99	1.46%	0.43%
2005	1.00	1.46%	0.43%
2006	1.04	1.46%	0.43%
2007	1.08	1.46%	0.42%
2008	1.13	1.46%	0.42%
2009	1.18	1.46%	0.42%
2010	1.23	1.46%	0.42%
2011	1.29	1.46%	0.42%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Greece: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Athens	127	0.45	43.07	0.63	0.18
Thessaloniki	210	0.20	19.74	0.29	0.08
Piraeus	379	0.10	9.58	0.14	0.04
Patras	480	0.07	6.90	0.10	0.03
Larissa	623	0.05	5.01	0.07	0.02
Iraklion	627	0.05	4.96	0.07	0.02
Volos	779	0.04	3.45	0.05	0.01
Kavalla	869	0.03	2.77	0.04	0.01
Canea	966	0.02	2.28	0.03	0.01
Serrai	972	0.02	2.24	0.03	0.01
<b>Total</b>		<b>1.04</b>	<b>100.00</b>	<b>1.46</b>	<b>0.43</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.23 HUNGARY

Year	Aluminum (US \$ mln): Hungary 2001 - 2011		% of Globe
	Hungary	% of Region	
2001	0.63	0.94%	0.28%
2002	0.63	0.94%	0.28%
2003	0.63	0.93%	0.28%
2004	0.62	0.92%	0.27%
2005	0.63	0.92%	0.27%
2006	0.65	0.92%	0.27%
2007	0.69	0.93%	0.27%
2008	0.73	0.94%	0.27%
2009	0.76	0.94%	0.27%
2010	0.80	0.95%	0.27%
2011	0.85	0.96%	0.27%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Hungary: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Budapest	136	0.39	59.51	0.55	0.16
Debrecen	722	0.04	6.19	0.06	0.02
Miskolc	746	0.04	5.85	0.05	0.02
Szeged	792	0.03	5.32	0.05	0.01
Pécs	803	0.03	5.15	0.05	0.01
Győr	950	0.02	3.71	0.03	0.01
Nyiregyha	998	0.02	3.35	0.03	0.01
Szekesfehérvar	1,014	0.02	3.21	0.03	0.01
Kecskemét	1,037	0.02	2.98	0.03	0.01
Szombathely	1,113	0.02	2.45	0.02	0.01
Szolnok	1,149	0.01	2.28	0.02	0.01
<b>Total</b>		<b>0.65</b>	<b>100.00</b>	<b>0.92</b>	<b>0.27</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.24 ICELAND

Year	Aluminum (US \$ mln): Iceland 2001 - 2011		
	Iceland	% of Region	% of Globe
2001	0.04	0.06%	0.02%
2002	0.04	0.06%	0.02%
2003	0.04	0.06%	0.02%
2004	0.04	0.06%	0.02%
2005	0.04	0.05%	0.02%
2006	0.04	0.06%	0.02%
2007	0.04	0.06%	0.02%
2008	0.04	0.06%	0.02%
2009	0.04	0.06%	0.02%
2010	0.05	0.06%	0.02%
2011	0.05	0.06%	0.02%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Iceland: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Reykjavik	980	0.02	58.54	0.03	0.01
Kopavogur	1,663	0.00	9.15	0.01	0.00
Hafnarfjordhur	1,681	0.00	8.54	0.00	0.00
Akureyri	1,682	0.00	8.54	0.00	0.00
Keflavik	1,831	0.00	4.27	0.00	0.00
Vestmannaeyjar	1,884	0.00	3.05	0.00	0.00
Akranes	1,885	0.00	3.05	0.00	0.00
Isafjorour	1,938	0.00	1.83	0.00	0.00
Husavik	1,939	0.00	1.83	0.00	0.00
Neskaupstaour	1,991	0.00	1.22	0.00	0.00
<b>Total</b>		<b>0.04</b>	<b>100.00</b>	<b>0.06</b>	<b>0.02</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.25 IRAN

Year	Aluminum (US \$ mln): Iran 2001 - 2011		
	Iran	% of Region	% of Globe
2001	1.09	1.63%	0.49%
2002	1.10	1.63%	0.49%
2003	1.11	1.64%	0.49%
2004	1.12	1.65%	0.49%
2005	1.13	1.65%	0.49%
2006	1.17	1.65%	0.48%
2007	1.22	1.64%	0.48%
2008	1.27	1.64%	0.47%
2009	1.32	1.63%	0.47%
2010	1.37	1.62%	0.47%
2011	1.43	1.61%	0.46%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Iran: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Tehran	110	0.50	42.86	0.71	0.21
Mashad	315	0.12	10.38	0.17	0.05
Isfahan	437	0.08	7.00	0.12	0.03
Tabriz	443	0.08	6.89	0.11	0.03
Shiraz	487	0.07	6.01	0.10	0.03
Ahvaz	659	0.05	4.11	0.07	0.02
Bakhtaran	672	0.05	3.98	0.07	0.02
Qom	690	0.05	3.85	0.06	0.02
Karaj	700	0.04	3.74	0.06	0.02
Orumiyeh	940	0.03	2.13	0.04	0.01
Abadan	948	0.02	2.09	0.03	0.01
Rasht	953	0.02	2.06	0.03	0.01
Kerman	1,007	0.02	1.82	0.03	0.01
Yazd	1,046	0.02	1.63	0.03	0.01
Bandar 'Abbas	1,095	0.02	1.43	0.02	0.01
<b>Total</b>		<b>1.17</b>	<b>100.00</b>	<b>1.65</b>	<b>0.48</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.26 IRAQ

<b>Year</b>	<b>Aluminum (US \$ mln): Iraq 2001 - 2011</b>		<b>% of Globe</b>
	<b>Iraq</b>	<b>% of Region</b>	
2001	0.38	0.57%	0.17%
2002	0.36	0.54%	0.16%
2003	0.34	0.51%	0.15%
2004	0.33	0.48%	0.14%
2005	0.32	0.46%	0.14%
2006	0.34	0.48%	0.14%
2007	0.38	0.51%	0.15%
2008	0.41	0.53%	0.15%
2009	0.46	0.56%	0.16%
2010	0.50	0.59%	0.17%
2011	0.55	0.62%	0.18%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Iraq: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Baghdad	215	0.19	56.60	0.27	0.08
Basra	924	0.03	7.51	0.04	0.01
Mosul	963	0.02	6.95	0.03	0.01
Kirkuk	987	0.02	6.51	0.03	0.01
Irbil	1,186	0.01	4.07	0.02	0.01
As-Sulaymaniyah	1,273	0.01	3.40	0.02	0.00
An-Najaf	1,336	0.01	2.96	0.01	0.00
Al-Hillah	1,383	0.01	2.62	0.01	0.00
Karbala	1,436	0.01	2.25	0.01	0.00
An-Nasiriyah	1,534	0.01	1.69	0.01	0.00
Ar-Ramadi	1,540	0.01	1.67	0.01	0.00
Al-Amarah	1,547	0.01	1.61	0.01	0.00
Ba'qubah	1,584	0.00	1.40	0.01	0.00
Samarra	1,748	0.00	0.75	0.00	0.00
<b>Total</b>		<b>0.34</b>	<b>100.00</b>	<b>0.48</b>	<b>0.14</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.27 IRELAND

Aluminum (US \$ mln): Ireland 2001 - 2011			
Year	Ireland	% of Region	% of Globe
2001	0.49	0.74%	0.22%
2002	0.48	0.72%	0.21%
2003	0.47	0.70%	0.21%
2004	0.46	0.68%	0.20%
2005	0.45	0.66%	0.19%
2006	0.48	0.68%	0.20%
2007	0.52	0.70%	0.20%
2008	0.56	0.72%	0.21%
2009	0.60	0.74%	0.21%
2010	0.64	0.76%	0.22%
2011	0.69	0.78%	0.22%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Ireland: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Dublin	150	0.35	73.10	0.49	0.14
Cork	522	0.07	13.81	0.09	0.03
Limerick	855	0.03	6.11	0.04	0.01
Galway	1,066	0.02	3.73	0.03	0.01
Waterford	1,122	0.02	3.25	0.02	0.01
<b>Total</b>		<b>0.48</b>	<b>100.00</b>	<b>0.68</b>	<b>0.20</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.28 ISRAEL

Year	Aluminum (US \$ mln): Israel 2001 - 2011		% of Globe
	Israel	% of Region	
2001	0.61	0.92%	0.28%
2002	0.61	0.91%	0.27%
2003	0.61	0.90%	0.27%
2004	0.61	0.89%	0.26%
2005	0.61	0.89%	0.26%
2006	0.63	0.89%	0.26%
2007	0.67	0.90%	0.26%
2008	0.71	0.91%	0.26%
2009	0.74	0.92%	0.26%
2010	0.78	0.93%	0.27%
2011	0.83	0.94%	0.27%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Israel: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Jerusalem	227	0.18	28.97	0.26	0.08
Tel Aviv	302	0.13	19.77	0.18	0.05
Haifa	419	0.09	13.77	0.12	0.04
Holon	602	0.05	8.65	0.08	0.02
Petach-Tikva	629	0.05	8.09	0.07	0.02
Ramat Gan	685	0.05	7.16	0.06	0.02
Beersheba	691	0.05	7.10	0.06	0.02
Bene Beraq	719	0.04	6.49	0.06	0.02
<b>Total</b>		<b>0.63</b>	<b>100.00</b>	<b>0.89</b>	<b>0.26</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.29 ITALY

Year	Aluminum (US \$ mln): Italy 2001 - 2011		% of Globe
	Italy	% of Region	
2001	6.66	9.97%	3.00%
2002	6.74	10.03%	3.00%
2003	6.81	10.09%	3.00%
2004	6.88	10.15%	3.00%
2005	6.97	10.19%	2.99%
2006	7.22	10.15%	2.96%
2007	7.50	10.09%	2.94%
2008	7.79	10.04%	2.91%
2009	8.08	9.98%	2.88%
2010	8.40	9.92%	2.85%
2011	8.72	9.87%	2.82%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Italy: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Rome	19	1.83	25.35	2.57	0.75
Milan	47	0.96	13.31	1.35	0.39
Naples	62	0.78	10.81	1.10	0.32
Turin	79	0.67	9.22	0.94	0.27
Palermo	118	0.47	6.56	0.67	0.19
Genoa	120	0.47	6.50	0.66	0.19
Bologna	182	0.28	3.84	0.39	0.11
Florence	183	0.27	3.79	0.38	0.11
Catania	188	0.24	3.35	0.34	0.10
Bari	193	0.23	3.23	0.33	0.10
Venice	206	0.21	2.95	0.30	0.09
Messina	236	0.18	2.44	0.25	0.07
Verona	241	0.17	2.33	0.24	0.07
Taranto	251	0.16	2.20	0.22	0.07
Trieste	259	0.15	2.13	0.22	0.06
Others		0.14	2.00	0.20	0.06
<b>Total</b>		<b>7.22</b>	<b>100.00</b>	<b>10.15</b>	<b>2.96</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 5.30 JORDAN

<b>Year</b>	<b>Aluminum (US \$ mln): Jordan 2001 - 2011</b>		
	<b>Jordan</b>	<b>% of Region</b>	<b>% of Globe</b>
2001	0.09	0.13%	0.04%
2002	0.09	0.13%	0.04%
2003	0.09	0.14%	0.04%
2004	0.09	0.14%	0.04%
2005	0.09	0.14%	0.04%
2006	0.10	0.14%	0.04%
2007	0.10	0.14%	0.04%
2008	0.10	0.14%	0.04%
2009	0.11	0.13%	0.04%
2010	0.11	0.13%	0.04%
2011	0.12	0.13%	0.04%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Jordan: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Amman	606	0.05	55.97	0.08	0.02
Zarqa	1,054	0.02	19.09	0.03	0.01
Irbid	1,348	0.01	10.07	0.01	0.00
Salt	1,424	0.01	8.33	0.01	0.00
Ajlun	1,731	0.00	2.92	0.00	0.00
Jarash	1,797	0.00	1.99	0.00	0.00
Madaba	1,842	0.00	1.62	0.00	0.00
<b>Total</b>		<b>0.10</b>	<b>100.00</b>	<b>0.14</b>	<b>0.04</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 5.31 KAZAKHSTAN

<b>Year</b>	<b>Aluminum (US \$ mln): Kazakhstan 2001 - 2011</b>		
	<b>Kazakhstan</b>	<b>% of Region</b>	<b>% of Globe</b>
2001	0.52	0.78%	0.24%
2002	0.51	0.76%	0.23%
2003	0.49	0.73%	0.22%
2004	0.48	0.71%	0.21%
2005	0.47	0.69%	0.20%
2006	0.50	0.71%	0.21%
2007	0.54	0.73%	0.21%
2008	0.59	0.75%	0.22%
2009	0.63	0.78%	0.22%
2010	0.68	0.80%	0.23%
2011	0.73	0.83%	0.24%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)



Kazakhstan: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Almaty	377	0.10	19.81	0.14	0.04
Karaganda	610	0.05	10.78	0.08	0.02
Chimkent	794	0.03	6.90	0.05	0.01
Semipalatinsk	851	0.03	5.86	0.04	0.01
Pavlodar	859	0.03	5.81	0.04	0.01
Ust-Kamenogorsk	871	0.03	5.69	0.04	0.01
Dzhambul	895	0.03	5.39	0.04	0.01
Tselinograd	946	0.02	4.86	0.03	0.01
Aktyubinsk	985	0.02	4.44	0.03	0.01
Petropavlovsk	1,008	0.02	4.23	0.03	0.01
Kustanay	1,034	0.02	3.93	0.03	0.01
Temirtau	1,051	0.02	3.72	0.03	0.01
Uralsk	1,073	0.02	3.51	0.02	0.01
Shevchenko	1,180	0.01	2.79	0.02	0.01
Kzyl-Orda	1,198	0.01	2.69	0.02	0.01
Others		0.05	9.57	0.07	0.02
<b>Total</b>		<b>0.50</b>	<b>100.00</b>	<b>0.71</b>	<b>0.21</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 5.32 KUWAIT

Aluminum (US \$ mln): Kuwait 2001 - 2011			
Year	Kuwait	% of Region	% of Globe
2001	0.16	0.25%	0.07%
2002	0.16	0.24%	0.07%
2003	0.16	0.24%	0.07%
2004	0.16	0.24%	0.07%
2005	0.16	0.24%	0.07%
2006	0.17	0.24%	0.07%
2007	0.18	0.24%	0.07%
2008	0.19	0.24%	0.07%
2009	0.20	0.24%	0.07%
2010	0.21	0.25%	0.07%
2011	0.22	0.25%	0.07%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Kuwait: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Salmiya	583	0.06	33.77	0.08	0.02
Hawalli	611	0.05	32.01	0.08	0.02
Jahra	717	0.04	24.50	0.06	0.02
Kuwait	1,105	0.02	9.71	0.02	0.01
<b>Total</b>		<b>0.17</b>	<b>100.00</b>	<b>0.24</b>	<b>0.07</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.33 KYRGYZSTAN

Year	Aluminum (US \$ mln): Kyrgyzstan 2001 - 2011		% of Globe
	Kyrgyzstan	% of Region	
2001	0.07	0.10%	0.03%
2002	0.07	0.10%	0.03%
2003	0.07	0.10%	0.03%
2004	0.07	0.10%	0.03%
2005	0.07	0.10%	0.03%
2006	0.07	0.10%	0.03%
2007	0.08	0.10%	0.03%
2008	0.08	0.10%	0.03%
2009	0.08	0.10%	0.03%
2010	0.09	0.11%	0.03%
2011	0.09	0.11%	0.03%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Kyrgyzstan: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Bishkek	692	0.05	62.08	0.06	0.02
Osh	1,137	0.02	20.92	0.02	0.01
Dzhalal-Abad	1,618	0.00	5.80	0.01	0.00
Przhevalsk	1,636	0.00	5.50	0.01	0.00
Kyzyl-Kiya	1,771	0.00	3.14	0.00	0.00
Naryn	1,809	0.00	2.55	0.00	0.00
<b>Total</b>		<b>0.07</b>	<b>100.00</b>	<b>0.10</b>	<b>0.03</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.34 LATVIA

Year	Aluminum (US \$ mln): Latvia 2001 - 2011		% of Globe
	Latvia	% of Region	
2001	0.10	0.14%	0.04%
2002	0.10	0.14%	0.04%
2003	0.10	0.14%	0.04%
2004	0.09	0.14%	0.04%
2005	0.10	0.14%	0.04%
2006	0.10	0.14%	0.04%
2007	0.10	0.14%	0.04%
2008	0.11	0.14%	0.04%
2009	0.12	0.14%	0.04%
2010	0.12	0.14%	0.04%
2011	0.13	0.15%	0.04%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Latvia: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Riga	532	0.07	65.78	0.09	0.03
Daugavpils	1,375	0.01	9.18	0.01	0.00
Liepaja	1,421	0.01	8.25	0.01	0.00
Jelgava	1,554	0.01	5.38	0.01	0.00
Jurmala	1,587	0.00	4.73	0.01	0.00
Ventspils	1,665	0.00	3.59	0.01	0.00
Rezekne	1,714	0.00	3.08	0.00	0.00
<b>Total</b>		<b>0.10</b>	<b>100.00</b>	<b>0.14</b>	<b>0.04</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 5.35 LEBANON

<b>Aluminum (US \$ mln): Lebanon 2001 - 2011</b>			
<b>Year</b>	<b>Lebanon</b>	<b>% of Region</b>	<b>% of Globe</b>
2001	0.09	0.14%	0.04%
2002	0.09	0.14%	0.04%
2003	0.10	0.14%	0.04%
2004	0.10	0.14%	0.04%
2005	0.10	0.15%	0.04%
2006	0.10	0.14%	0.04%
2007	0.11	0.14%	0.04%
2008	0.11	0.14%	0.04%
2009	0.11	0.14%	0.04%
2010	0.12	0.14%	0.04%
2011	0.12	0.13%	0.04%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Lebanon: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Beirut	523	0.07	64.82	0.09	0.03
Tripoli	994	0.02	21.61	0.03	0.01
Zahle	1,392	0.01	8.64	0.01	0.00
Sidon	1,605	0.00	4.32	0.01	0.00
Tyre	1,960	0.00	0.61	0.00	0.00
<b>Total</b>		<b>0.10</b>	<b>100.00</b>	<b>0.14</b>	<b>0.04</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.36 LIECHTENSTEIN

Year	Aluminum (US \$ mln): Liechtenstein 2001 - 2011		% of Globe
	Liechtenstein	% of Region	
2001	0.00	0.01%	0.00%
2002	0.00	0.01%	0.00%
2003	0.00	0.01%	0.00%
2004	0.00	0.01%	0.00%
2005	0.00	0.01%	0.00%
2006	0.00	0.01%	0.00%
2007	0.00	0.01%	0.00%
2008	0.00	0.01%	0.00%
2009	0.00	0.01%	0.00%
2010	0.00	0.01%	0.00%
2011	0.00	0.01%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Liechtenstein: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Vaduz	1,922	0.00	20.00	0.00	0.00
Schaan	1,923	0.00	20.00	0.00	0.00
Balzers	1,948	0.00	16.00	0.00	0.00
Mauren	1,988	0.00	12.00	0.00	0.00
Triesen	1,989	0.00	12.00	0.00	0.00
Eschen	1,990	0.00	12.00	0.00	0.00
Triesenberg	2,012	0.00	8.00	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.01</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.37 LITHUANIA

Year	Aluminum (US \$ mln): Lithuania 2001 - 2011		% of Globe
	Lithuania	% of Region	
2001	0.14	0.21%	0.06%
2002	0.14	0.21%	0.06%
2003	0.14	0.21%	0.06%
2004	0.14	0.21%	0.06%
2005	0.14	0.21%	0.06%
2006	0.15	0.21%	0.06%
2007	0.16	0.21%	0.06%
2008	0.16	0.21%	0.06%
2009	0.17	0.21%	0.06%
2010	0.17	0.21%	0.06%
2011	0.18	0.21%	0.06%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Lithuania: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Vilnius	558	0.06	41.37	0.09	0.03
Kaunas	718	0.04	27.56	0.06	0.02
Klaipeda	1,031	0.02	13.24	0.03	0.01
Siauliai	1,175	0.01	9.48	0.02	0.01
Panevezys	1,239	0.01	8.34	0.02	0.01
<b>Total</b>		<b>0.15</b>	<b>100.00</b>	<b>0.21</b>	<b>0.06</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 5.38 LUXEMBOURG

<b>Aluminum (US \$ mln): Luxembourg 2001 - 2011</b>			
<b>Year</b>	<b>Luxembourg</b>	<b>% of Region</b>	<b>% of Globe</b>
2001	0.09	0.13%	0.04%
2002	0.09	0.13%	0.04%
2003	0.09	0.13%	0.04%
2004	0.09	0.13%	0.04%
2005	0.09	0.13%	0.04%
2006	0.09	0.13%	0.04%
2007	0.10	0.13%	0.04%
2008	0.10	0.13%	0.04%
2009	0.11	0.13%	0.04%
2010	0.11	0.13%	0.04%
2011	0.12	0.13%	0.04%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Luxembourg: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Luxembourg	686	0.05	49.68	0.06	0.02
Esch	1,177	0.01	15.48	0.02	0.01
Differdange	1,359	0.01	10.32	0.01	0.00
Dudelange	1,418	0.01	9.03	0.01	0.00
Petange	1,470	0.01	7.74	0.01	0.00
Remich	1,471	0.01	7.74	0.01	0.00
<b>Total</b>		<b>0.09</b>	<b>100.00</b>	<b>0.13</b>	<b>0.04</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.39 MALTA

Year	Aluminum (US \$ mln): Malta 2001 - 2011		% of Globe
	Malta	% of Region	
2001	0.03	0.04%	0.01%
2002	0.03	0.04%	0.01%
2003	0.03	0.04%	0.01%
2004	0.03	0.04%	0.01%
2005	0.03	0.04%	0.01%
2006	0.03	0.04%	0.01%
2007	0.03	0.04%	0.01%
2008	0.03	0.04%	0.01%
2009	0.04	0.04%	0.01%
2010	0.04	0.04%	0.01%
2011	0.04	0.04%	0.01%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Malta: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Birkirkara	1,356	0.01	29.85	0.01	0.00
Qormi	1,380	0.01	28.36	0.01	0.00
Sliema	1,488	0.01	20.90	0.01	0.00
Valletta	1,612	0.00	13.43	0.01	0.00
Victoria	1,766	0.00	7.46	0.00	0.00
<b>Total</b>		<b>0.03</b>	<b>100.00</b>	<b>0.04</b>	<b>0.01</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.40 MOLDOVA

Year	Aluminum (US \$ mln): Moldova 2001 - 2011		% of Globe
	Moldova	% of Region	
2001	0.05	0.08%	0.02%
2002	0.06	0.08%	0.02%
2003	0.06	0.09%	0.03%
2004	0.06	0.09%	0.03%
2005	0.06	0.09%	0.03%
2006	0.06	0.09%	0.03%
2007	0.06	0.09%	0.03%
2008	0.06	0.08%	0.02%
2009	0.07	0.08%	0.02%
2010	0.07	0.08%	0.02%
2011	0.07	0.08%	0.02%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Moldova: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Chisinau	767	0.04	58.54	0.05	0.02
Tiraspol	1,339	0.01	16.02	0.01	0.00
Beltsy	1,397	0.01	14.00	0.01	0.00
Bendery	1,464	0.01	11.44	0.01	0.00
<b>Total</b>		<b>0.06</b>	<b>100.00</b>	<b>0.09</b>	<b>0.03</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### 5.41 MONACO

<b>Aluminum (US \$ mln): Monaco 2001 - 2011</b>			
<b>Year</b>	<b>Monaco</b>	<b>% of Region</b>	<b>% of Globe</b>
2001	0.00	0.01%	0.00%
2002	0.00	0.01%	0.00%
2003	0.00	0.01%	0.00%
2004	0.00	0.01%	0.00%
2005	0.00	0.01%	0.00%
2006	0.00	0.01%	0.00%
2007	0.00	0.01%	0.00%
2008	0.01	0.01%	0.00%
2009	0.01	0.01%	0.00%
2010	0.01	0.01%	0.00%
2011	0.01	0.01%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Monaco: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Monte Carlo	1,617	0.00	86.67	0.01	0.00
Monaco	1,951	0.00	13.33	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.01</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.42 NETHERLANDS

Year	Aluminum (US \$ mln): Netherlands 2001 - 2011		% of Globe
	Netherlands	% of Region	
2001	2.09	3.12%	0.94%
2002	2.10	3.12%	0.93%
2003	2.10	3.12%	0.93%
2004	2.11	3.12%	0.92%
2005	2.13	3.11%	0.91%
2006	2.22	3.12%	0.91%
2007	2.32	3.12%	0.91%
2008	2.42	3.12%	0.90%
2009	2.53	3.12%	0.90%
2010	2.64	3.12%	0.90%
2011	2.76	3.13%	0.89%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Netherlands: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Rotterdam	107	0.52	23.59	0.74	0.21
Amsterdam - Haarlem	141	0.38	17.08	0.53	0.16
Eindhoven - Tilberg	156	0.33	14.93	0.47	0.14
Gelderland	194	0.23	10.37	0.32	0.09
Utrecht	242	0.17	7.50	0.23	0.07
Limburg	261	0.15	6.75	0.21	0.06
Overijssel	290	0.13	5.94	0.19	0.05
Groningen	388	0.10	4.44	0.14	0.04
Friesland	485	0.07	3.20	0.10	0.03
Zeeland	598	0.06	2.49	0.08	0.02
Drenthe	615	0.05	2.42	0.08	0.02
Flevoland	877	0.03	1.27	0.04	0.01
<b>Total</b>		<b>2.22</b>	<b>100.00</b>	<b>3.12</b>	<b>0.91</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)



## 5.43 NORWAY

Year	Aluminum (US \$ mln): Norway 2001 - 2011		% of Globe
	Norway	% of Region	
2001	0.65	0.97%	0.29%
2002	0.66	0.98%	0.29%
2003	0.66	0.98%	0.29%
2004	0.67	0.99%	0.29%
2005	0.68	0.99%	0.29%
2006	0.70	0.99%	0.29%
2007	0.73	0.98%	0.29%
2008	0.76	0.98%	0.28%
2009	0.79	0.97%	0.28%
2010	0.82	0.97%	0.28%
2011	0.85	0.96%	0.27%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Norway: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Oslo	176	0.28	40.14	0.40	0.12
Bergen	293	0.13	18.57	0.18	0.05
Trondheim	424	0.08	12.06	0.12	0.03
Stavanger	570	0.06	8.54	0.08	0.02
Kristiansand	741	0.04	5.55	0.05	0.02
Drammen	825	0.03	4.58	0.05	0.01
Tromso	845	0.03	4.31	0.04	0.01
Alesund	989	0.02	3.17	0.03	0.01
Bodo	1,003	0.02	3.08	0.03	0.01
<b>Total</b>		<b>0.70</b>	<b>100.00</b>	<b>0.99</b>	<b>0.29</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.44 OMAN

Year	Aluminum (US \$ mln): Oman 2001 - 2011		% of Globe
	Oman	% of Region	
2001	0.11	0.16%	0.05%
2002	0.11	0.16%	0.05%
2003	0.11	0.16%	0.05%
2004	0.11	0.16%	0.05%
2005	0.11	0.16%	0.05%
2006	0.11	0.16%	0.05%
2007	0.12	0.16%	0.05%
2008	0.12	0.16%	0.05%
2009	0.13	0.16%	0.05%
2010	0.14	0.16%	0.05%
2011	0.14	0.16%	0.05%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Oman: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Muscat	543	0.06	57.47	0.09	0.03
Matrah	999	0.02	19.54	0.03	0.01
Salala	1,224	0.01	11.49	0.02	0.01
Nizwa	1,225	0.01	11.49	0.02	0.01
<b>Total</b>		<b>0.11</b>	<b>100.00</b>	<b>0.16</b>	<b>0.05</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### 5.45 PAKISTAN

<b>Aluminum (US \$ mln): Pakistan 2001 - 2011</b>			
<b>Year</b>	<b>Pakistan</b>	<b>% of Region</b>	<b>% of Globe</b>
2001	1.54	2.30%	0.69%
2002	1.54	2.29%	0.69%
2003	1.54	2.28%	0.68%
2004	1.54	2.27%	0.67%
2005	1.55	2.26%	0.66%
2006	1.62	2.27%	0.66%
2007	1.69	2.28%	0.66%
2008	1.78	2.29%	0.66%
2009	1.86	2.30%	0.66%
2010	1.96	2.31%	0.66%
2011	2.05	2.32%	0.66%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Pakistan: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Karachi	88	0.62	38.40	0.87	0.25
Lahore	149	0.35	21.77	0.49	0.14
Faisalabad	292	0.13	8.14	0.18	0.05
Rawalpindi	398	0.09	5.86	0.13	0.04
Hyderabad	413	0.09	5.54	0.13	0.04
Multan	420	0.09	5.38	0.12	0.04
Gujranwala	450	0.08	4.86	0.11	0.03
Peshawar	516	0.07	4.17	0.09	0.03
Sialkot	777	0.04	2.23	0.05	0.01
Sargodha	795	0.03	2.15	0.05	0.01
Islamabad	952	0.02	1.50	0.03	0.01
<b>Total</b>		<b>1.62</b>	<b>100.00</b>	<b>2.27</b>	<b>0.66</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.46 PALESTINE

Year	Aluminum (US \$ mln): Palestine 2001 - 2011		% of Globe
	Palestine	% of Region	
2001	0.01	0.02%	0.01%
2002	0.01	0.02%	0.01%
2003	0.01	0.02%	0.01%
2004	0.02	0.02%	0.01%
2005	0.02	0.02%	0.01%
2006	0.02	0.02%	0.01%
2007	0.02	0.02%	0.01%
2008	0.02	0.02%	0.01%
2009	0.02	0.02%	0.01%
2010	0.02	0.02%	0.01%
2011	0.02	0.02%	0.01%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Palestine: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
West Bank	1,311	0.01	63.56	0.01	0.00
Gaza Strip	1,517	0.01	36.44	0.01	0.00
<b>Total</b>		<b>0.02</b>	<b>100.00</b>	<b>0.02</b>	<b>0.01</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.47 POLAND

Year	Aluminum (US \$ mln): Poland 2001 - 2011		% of Globe
	Poland	% of Region	
2001	1.79	2.68%	0.81%
2002	1.79	2.66%	0.80%
2003	1.79	2.65%	0.79%
2004	1.79	2.64%	0.78%
2005	1.80	2.63%	0.77%
2006	1.88	2.64%	0.77%
2007	1.97	2.65%	0.77%
2008	2.06	2.66%	0.77%
2009	2.17	2.67%	0.77%
2010	2.27	2.69%	0.77%
2011	2.38	2.70%	0.77%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Poland: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Warsaw	121	0.47	24.99	0.66	0.19
Lodz	189	0.24	12.64	0.33	0.10
Krakow	208	0.21	11.14	0.29	0.09
Wroclaw	233	0.18	9.57	0.25	0.07
Poznan	244	0.16	8.76	0.23	0.07
Gdansk	291	0.13	7.01	0.19	0.05
Szczecin	340	0.11	5.92	0.16	0.05
Bydgoszcz	363	0.10	5.58	0.15	0.04
Katowice	369	0.10	5.52	0.15	0.04
Lublin	405	0.09	4.98	0.13	0.04
Sosnowiec	474	0.07	3.89	0.10	0.03
<b>Total</b>		<b>1.88</b>	<b>100.00</b>	<b>2.64</b>	<b>0.77</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### 5.48 PORTUGAL

Aluminum (US \$ mln): Portugal 2001 - 2011			
Year	Portugal	% of Region	% of Globe
2001	0.83	1.25%	0.37%
2002	0.84	1.25%	0.37%
2003	0.85	1.26%	0.37%
2004	0.86	1.27%	0.37%
2005	0.87	1.27%	0.37%
2006	0.90	1.27%	0.37%
2007	0.94	1.26%	0.37%
2008	0.97	1.25%	0.36%
2009	1.01	1.25%	0.36%
2010	1.05	1.24%	0.36%
2011	1.09	1.23%	0.35%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Portugal: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Lisbon	128	0.44	49.14	0.62	0.18
Oporto	223	0.19	20.54	0.26	0.08
Amadora	632	0.05	5.68	0.07	0.02
Setubal	714	0.04	4.62	0.06	0.02
Coimbra	729	0.04	4.44	0.06	0.02
Braga	804	0.03	3.73	0.05	0.01
Vila Nova de Gaia	811	0.03	3.67	0.05	0.01
Barreiro	892	0.03	3.02	0.04	0.01
Funchal	968	0.02	2.61	0.03	0.01
Almada	979	0.02	2.55	0.03	0.01
<b>Total</b>		<b>0.90</b>	<b>100.00</b>	<b>1.27</b>	<b>0.37</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.49 QATAR

Year	Aluminum (US \$ mln): Qatar 2001 - 2011		% of Globe
	Qatar	% of Region	
2001	0.08	0.12%	0.04%
2002	0.08	0.12%	0.04%
2003	0.08	0.12%	0.04%
2004	0.08	0.12%	0.04%
2005	0.08	0.12%	0.04%
2006	0.09	0.12%	0.04%
2007	0.09	0.12%	0.04%
2008	0.09	0.12%	0.04%
2009	0.10	0.12%	0.03%
2010	0.10	0.12%	0.03%
2011	0.11	0.12%	0.03%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Qatar: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Doha	423	0.09	100.00	0.12	0.04
<b>Total</b>		<b>0.09</b>	<b>100.00</b>	<b>0.12</b>	<b>0.04</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.50 ROMANIA

Year	Aluminum (US \$ mln): Romania 2001 - 2011		% of Globe
	Romania	% of Region	
2001	0.69	1.03%	0.31%
2002	0.70	1.04%	0.31%
2003	0.70	1.04%	0.31%
2004	0.71	1.05%	0.31%
2005	0.73	1.06%	0.31%
2006	0.75	1.05%	0.31%
2007	0.78	1.05%	0.30%
2008	0.80	1.04%	0.30%
2009	0.83	1.03%	0.30%
2010	0.86	1.02%	0.29%
2011	0.89	1.01%	0.29%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Romania: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Bucharest	167	0.31	40.80	0.43	0.13
Brasov	613	0.05	7.20	0.08	0.02
Constanta	645	0.05	6.72	0.07	0.02
Timisoara	648	0.05	6.66	0.07	0.02
Iasi	661	0.05	6.42	0.07	0.02
Cluj-Napoca	667	0.05	6.36	0.07	0.02
Galati	688	0.05	6.05	0.06	0.02
Craiova	706	0.04	5.76	0.06	0.02
Braila	770	0.04	4.84	0.05	0.01
Ploiesti	775	0.04	4.82	0.05	0.01
Oradea	815	0.03	4.39	0.05	0.01
<b>Total</b>		<b>0.75</b>	<b>100.00</b>	<b>1.05</b>	<b>0.31</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### 5.51 RUSSIA

<b>Year</b>	<b>Aluminum (US \$ mln): Russia 2001 - 2011</b>		<b>% of Globe</b>
	<b>Russia</b>	<b>% of Region</b>	
2001	3.15	4.71%	1.42%
2002	3.13	4.66%	1.39%
2003	3.10	4.60%	1.37%
2004	3.08	4.55%	1.34%
2005	3.08	4.50%	1.32%
2006	3.23	4.54%	1.33%
2007	3.41	4.60%	1.34%
2008	3.61	4.65%	1.35%
2009	3.81	4.70%	1.36%
2010	4.03	4.76%	1.37%
2011	4.25	4.81%	1.38%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Russia: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Moscow	45	0.97	30.16	1.37	0.40
Saint Petersburg	104	0.55	16.88	0.77	0.22
Nizhni Novgorod	254	0.16	4.84	0.22	0.06
Novosibirsk	255	0.16	4.83	0.22	0.06
Yekaterinburg	263	0.15	4.60	0.21	0.06
Kuybyshev	278	0.14	4.23	0.19	0.06
Omsk	305	0.12	3.86	0.18	0.05
Chelyabinsk	306	0.12	3.84	0.17	0.05
Kazan	320	0.12	3.68	0.17	0.05
Rostov-on-Don	343	0.11	3.43	0.16	0.05
Volgograd	354	0.11	3.36	0.15	0.04
Krasnoyark	383	0.10	3.07	0.14	0.04
Saratov	390	0.10	3.04	0.14	0.04
Vladivostok	489	0.07	2.18	0.10	0.03
Irkutsk	511	0.07	2.11	0.10	0.03
Others		0.19	5.90	0.27	0.08
<b>Total</b>		<b>3.23</b>	<b>100.00</b>	<b>4.54</b>	<b>1.33</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.52 SAN MARINO

Aluminum (US \$ mln): San Marino 2001 - 2011			
Year	San Marino	% of Region	% of Globe
2001	0.01	0.01%	0.00%
2002	0.00	0.01%	0.00%
2003	0.00	0.01%	0.00%
2004	0.00	0.01%	0.00%
2005	0.00	0.01%	0.00%
2006	0.01	0.01%	0.00%
2007	0.01	0.01%	0.00%
2008	0.01	0.01%	0.00%
2009	0.01	0.01%	0.00%
2010	0.01	0.01%	0.00%
2011	0.01	0.01%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

San Marino: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Serravalle	1,697	0.00	63.64	0.00	0.00
San Marino	1,814	0.00	36.36	0.00	0.00
<b>Total</b>		<b>0.01</b>	<b>100.00</b>	<b>0.01</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.53 SAUDI ARABIA

Year	Aluminum (US \$ mln): Saudi Arabia 2001 - 2011		% of Globe
	Saudi Arabia	% of Region	
2001	1.25	1.87%	0.56%
2002	1.25	1.86%	0.56%
2003	1.26	1.86%	0.55%
2004	1.26	1.86%	0.55%
2005	1.27	1.86%	0.55%
2006	1.32	1.86%	0.54%
2007	1.38	1.86%	0.54%
2008	1.45	1.86%	0.54%
2009	1.51	1.87%	0.54%
2010	1.58	1.87%	0.54%
2011	1.65	1.87%	0.53%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Saudi Arabia: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Jiddah	113	0.49	37.31	0.69	0.20
Riyadh	200	0.22	16.59	0.31	0.09
Mecca	230	0.18	13.68	0.25	0.07
Taif	384	0.10	7.46	0.14	0.04
Medina	397	0.10	7.21	0.13	0.04
Dammam	529	0.07	4.98	0.09	0.03
Hufuf	808	0.03	2.51	0.05	0.01
Haradh	813	0.03	2.49	0.05	0.01
Tabuk	942	0.02	1.87	0.03	0.01
Buraydah	975	0.02	1.74	0.03	0.01
Al-Mubarraz	1,069	0.02	1.34	0.03	0.01
Khamis-Mushait	1,101	0.02	1.24	0.02	0.01
Jizan	1,304	0.01	0.82	0.02	0.00
Abha	1,346	0.01	0.75	0.01	0.00
<b>Total</b>		<b>1.32</b>	<b>100.00</b>	<b>1.86</b>	<b>0.54</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)



## 5.54 SLOVAKIA

Year	Aluminum (US \$ mln): Slovakia 2001 - 2011		% of Globe
	Slovakia	% of Region	
2001	0.29	0.43%	0.13%
2002	0.29	0.43%	0.13%
2003	0.29	0.44%	0.13%
2004	0.30	0.44%	0.13%
2005	0.30	0.44%	0.13%
2006	0.31	0.44%	0.13%
2007	0.32	0.44%	0.13%
2008	0.34	0.43%	0.13%
2009	0.35	0.43%	0.12%
2010	0.36	0.43%	0.12%
2011	0.37	0.42%	0.12%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Slovakia: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Bratislava	211	0.20	65.25	0.29	0.08
Kosice	353	0.11	34.75	0.15	0.04
<b>Total</b>		<b>0.31</b>	<b>100.00</b>	<b>0.44</b>	<b>0.13</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.55 SLOVENIA

Year	Aluminum (US \$ mln): Slovenia 2001 - 2011		% of Globe
	Slovenia	% of Region	
2001	0.12	0.19%	0.06%
2002	0.12	0.19%	0.06%
2003	0.12	0.18%	0.05%
2004	0.12	0.18%	0.05%
2005	0.13	0.18%	0.05%
2006	0.13	0.18%	0.05%
2007	0.14	0.18%	0.05%
2008	0.14	0.19%	0.05%
2009	0.15	0.19%	0.05%
2010	0.16	0.19%	0.05%
2011	0.17	0.19%	0.05%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Slovenia: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Ljubljana	555	0.06	47.66	0.09	0.03
Maribor	752	0.04	29.06	0.05	0.02
Koper	1,406	0.01	6.56	0.01	0.00
Kranj	1,476	0.01	5.31	0.01	0.00
Celje	1,483	0.01	5.16	0.01	0.00
Trbovlje	1,629	0.00	3.13	0.01	0.00
Jesenice	1,630	0.00	3.13	0.01	0.00
<b>Total</b>		<b>0.13</b>	<b>100.00</b>	<b>0.18</b>	<b>0.05</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 5.56 SPAIN

Year	Aluminum (US \$ mln): Spain 2001 - 2011		
	Spain	% of Region	% of Globe
2001	3.87	5.80%	1.74%
2002	3.89	5.79%	1.73%
2003	3.91	5.79%	1.72%
2004	3.92	5.78%	1.71%
2005	3.96	5.78%	1.70%
2006	4.11	5.78%	1.69%
2007	4.30	5.79%	1.68%
2008	4.49	5.79%	1.68%
2009	4.69	5.79%	1.67%
2010	4.90	5.80%	1.66%
2011	5.13	5.80%	1.66%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Spain: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Madrid	35	1.18	28.79	1.66	0.49
Barcelona	82	0.65	15.82	0.91	0.27
Valencia	180	0.28	6.80	0.39	0.11
Sevilla	186	0.25	6.08	0.35	0.10
Zaragoza	201	0.22	5.34	0.31	0.09
Malaga	205	0.22	5.25	0.30	0.09
Bilbao	267	0.15	3.55	0.21	0.06
Las Palmas	277	0.14	3.32	0.19	0.06
Valladolid	301	0.13	3.05	0.18	0.05
Palma	323	0.12	2.85	0.16	0.05
Murcia	324	0.12	2.83	0.16	0.05
Cordoba	331	0.11	2.77	0.16	0.05
Hospitalet	360	0.11	2.58	0.15	0.04
Alicante	387	0.10	2.40	0.14	0.04
Granada	391	0.10	2.39	0.14	0.04
Others		0.25	6.19	0.36	0.10
<b>Total</b>		<b>4.11</b>	<b>100.00</b>	<b>5.78</b>	<b>1.69</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### 5.57 SWEDEN

Year	Aluminum (US \$ mln): Sweden 2001 - 2011		% of Globe
	Sweden	% of Region	
2001	1.06	1.59%	0.48%
2002	1.07	1.59%	0.48%
2003	1.07	1.59%	0.47%
2004	1.07	1.58%	0.47%
2005	1.08	1.58%	0.46%
2006	1.13	1.58%	0.46%
2007	1.18	1.59%	0.46%
2008	1.23	1.59%	0.46%
2009	1.29	1.59%	0.46%
2010	1.35	1.60%	0.46%
2011	1.41	1.60%	0.46%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Sweden: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Stockholm	174	0.29	25.41	0.40	0.12
Göteborg	226	0.18	16.37	0.26	0.08
Malmö	382	0.10	8.81	0.14	0.04
Uppsala	498	0.07	6.15	0.10	0.03
Örebro	630	0.05	4.56	0.07	0.02
Västerås	636	0.05	4.52	0.07	0.02
Norrköping	637	0.05	4.52	0.07	0.02
Linköping	638	0.05	4.52	0.07	0.02
Jönköping	668	0.05	4.18	0.07	0.02
Helsingborg	684	0.05	4.06	0.06	0.02
Boras	705	0.04	3.84	0.06	0.02
Sundsvall	733	0.04	3.53	0.06	0.02
Umeå	753	0.04	3.38	0.05	0.02
Gävle	757	0.04	3.34	0.05	0.02
Skellefteå	833	0.03	2.81	0.04	0.01
<b>Total</b>		<b>1.13</b>	<b>100.00</b>	<b>1.58</b>	<b>0.46</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### 5.58 SWITZERLAND

Year	Aluminum (US \$ mln): Switzerland 2001 - 2011		
	Switzerland	% of Region	% of Globe
2001	1.09	1.63%	0.49%
2002	1.10	1.64%	0.49%
2003	1.11	1.65%	0.49%
2004	1.12	1.65%	0.49%
2005	1.13	1.66%	0.49%
2006	1.18	1.65%	0.48%
2007	1.22	1.65%	0.48%
2008	1.27	1.64%	0.47%
2009	1.32	1.63%	0.47%
2010	1.38	1.63%	0.47%
2011	1.43	1.62%	0.46%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Switzerland: Aluminum in 2006, US \$ mln</b>						
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>	
Zürich	162	0.32	27.10	0.45	0.13	
Basel	253	0.16	13.44	0.22	0.06	
Geneva	262	0.15	12.66	0.21	0.06	
Bern	304	0.13	10.66	0.18	0.05	
Lausanne	330	0.11	9.73	0.16	0.05	
Winterthur	455	0.08	6.56	0.11	0.03	
Saint Gallen	524	0.07	5.64	0.09	0.03	
Luzern	609	0.05	4.63	0.08	0.02	
Biel	674	0.05	3.94	0.07	0.02	
Thun	805	0.03	2.86	0.05	0.01	
Koniz	818	0.03	2.78	0.05	0.01	
<b>Total</b>		<b>1.18</b>	<b>100.00</b>	<b>1.65</b>	<b>0.48</b>	

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### 5.59 SYRIAN ARAB REPUBLIC

<b>Aluminum (US \$ mln): Syrian Arab Republic 2001 - 2011</b>				
<b>Year</b>	<b>Syrian Arab Republic</b>	<b>% of Region</b>		<b>% of Globe</b>
2001	0.27	0.41%		0.12%
2002	0.27	0.41%		0.12%
2003	0.27	0.41%		0.12%
2004	0.28	0.41%		0.12%
2005	0.28	0.41%		0.12%
2006	0.29	0.41%		0.12%
2007	0.30	0.41%		0.12%
2008	0.31	0.41%		0.12%
2009	0.33	0.41%		0.12%
2010	0.34	0.40%		0.12%
2011	0.36	0.40%		0.12%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Syrian Arab Republic: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Damascus	389	0.10	33.99	0.14	0.04
Aleppo	407	0.09	31.99	0.13	0.04
Homs	816	0.03	11.34	0.05	0.01
Latakia	1,058	0.02	6.34	0.03	0.01
Hama	1,108	0.02	5.63	0.02	0.01
Dayr az-Zawr	1,472	0.01	2.42	0.01	0.00
Raqqa	1,490	0.01	2.29	0.01	0.00
Hasakeh	1,543	0.01	1.92	0.01	0.00
Tartus	1,633	0.00	1.39	0.01	0.00
Idlib	1,638	0.00	1.37	0.01	0.00
Dar'a	1,648	0.00	1.32	0.01	0.00
<b>Total</b>		<b>0.29</b>	<b>100.00</b>	<b>0.41</b>	<b>0.12</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### 5.60 TAJIKISTAN

Aluminum (US \$ mln): Tajikistan 2001 - 2011			
Year	Tajikistan	% of Region	% of Globe
2001	0.04	0.06%	0.02%
2002	0.04	0.06%	0.02%
2003	0.04	0.06%	0.02%
2004	0.04	0.06%	0.02%
2005	0.04	0.06%	0.02%
2006	0.04	0.06%	0.02%
2007	0.04	0.06%	0.02%
2008	0.05	0.06%	0.02%
2009	0.05	0.06%	0.02%
2010	0.05	0.06%	0.02%
2011	0.05	0.06%	0.02%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Tajikistan: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Dushanbe	901	0.03	63.64	0.04	0.01
Khodzhent	1,465	0.01	17.11	0.01	0.00
Kulyab	1,737	0.00	6.63	0.00	0.00
Kurgan-Tyube	1,754	0.00	5.88	0.00	0.00
Kanibadam	1,875	0.00	2.99	0.00	0.00
Tursunzade	1,910	0.00	2.25	0.00	0.00
Khorog	1,956	0.00	1.50	0.00	0.00
<b>Total</b>		<b>0.04</b>	<b>100.00</b>	<b>0.06</b>	<b>0.02</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.61 TURKEY

Year	Aluminum (US \$ mln): Turkey 2001 - 2011		% of Globe
	Turkey	% of Region	
2001	2.48	3.72%	1.12%
2002	2.47	3.68%	1.10%
2003	2.45	3.64%	1.08%
2004	2.44	3.60%	1.06%
2005	2.44	3.57%	1.05%
2006	2.56	3.60%	1.05%
2007	2.70	3.63%	1.06%
2008	2.85	3.67%	1.06%
2009	3.00	3.71%	1.07%
2010	3.17	3.75%	1.08%
2011	3.34	3.78%	1.08%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Turkey: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Istanbul	44	0.98	38.42	1.38	0.40
Izmir	166	0.31	12.01	0.43	0.13
Ankara	169	0.29	11.51	0.41	0.12
Bursa	260	0.15	5.94	0.21	0.06
Adana	279	0.14	5.30	0.19	0.06
Mersin (Icel)	318	0.12	4.65	0.17	0.05
Antalya	325	0.12	4.54	0.16	0.05
Konya	366	0.10	4.07	0.15	0.04
Samsun	557	0.06	2.42	0.09	0.03
Gaziantep	578	0.06	2.28	0.08	0.02
Kayseri	635	0.05	1.99	0.07	0.02
Diyarbakir	647	0.05	1.97	0.07	0.02
Eskisehir	650	0.05	1.95	0.07	0.02
Sanli-Urfa	725	0.04	1.57	0.06	0.02
Malatya	789	0.04	1.37	0.05	0.01
<b>Total</b>		<b>2.56</b>	<b>100.00</b>	<b>3.60</b>	<b>1.05</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.62 TURKMENISTAN

Year	Aluminum (US \$ mln): Turkmenistan 2001 - 2011		% of Globe
	Turkmenistan	% of Region	
2001	0.13	0.20%	0.06%
2002	0.13	0.19%	0.06%
2003	0.12	0.18%	0.05%
2004	0.11	0.17%	0.05%
2005	0.11	0.16%	0.05%
2006	0.12	0.17%	0.05%
2007	0.13	0.18%	0.05%
2008	0.14	0.19%	0.05%
2009	0.16	0.20%	0.06%
2010	0.18	0.21%	0.06%
2011	0.20	0.22%	0.06%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Turkmenistan: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Ashgabat	537	0.06	54.82	0.09	0.03
Chardzhou	911	0.03	22.18	0.04	0.01
Tashauz	1,060	0.02	15.43	0.03	0.01
Krasnovodsk	1,384	0.01	7.58	0.01	0.00
<b>Total</b>		<b>0.12</b>	<b>100.00</b>	<b>0.17</b>	<b>0.05</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.63 UKRAINE

Year	Aluminum (US \$ mln): Ukraine 2001 - 2011		% of Globe
	Ukraine	% of Region	
2001	1.06	1.58%	0.48%
2002	1.05	1.57%	0.47%
2003	1.05	1.55%	0.46%
2004	1.04	1.53%	0.45%
2005	1.04	1.52%	0.45%
2006	1.09	1.53%	0.45%
2007	1.15	1.55%	0.45%
2008	1.21	1.57%	0.45%
2009	1.28	1.58%	0.46%
2010	1.35	1.60%	0.46%
2011	1.43	1.61%	0.46%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)



Ukraine: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Kiev	213	0.20	18.44	0.28	0.08
Kharkiv	303	0.13	11.48	0.18	0.05
Dnipropetrovsk	408	0.09	8.40	0.13	0.04
Odessa	421	0.09	7.95	0.12	0.04
Donetsk	422	0.09	7.91	0.12	0.04
Zaporozhye	503	0.07	6.30	0.10	0.03
Lviv	562	0.06	5.63	0.09	0.03
Krivoy Rog	594	0.06	5.08	0.08	0.02
Mariupol (Zhdanov)	727	0.04	3.68	0.06	0.02
Nikolayev	740	0.04	3.58	0.06	0.02
Lugansk	743	0.04	3.54	0.05	0.02
Makeyevka	807	0.03	3.06	0.05	0.01
Vinnitsa	864	0.03	2.67	0.04	0.01
Sevastopol	885	0.03	2.54	0.04	0.01
Kherson	888	0.03	2.53	0.04	0.01
Others		0.08	7.20	0.11	0.03
<b>Total</b>		<b>1.09</b>	<b>100.00</b>	<b>1.53</b>	<b>0.45</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### 5.64 UNITED ARAB EMIRATES

Aluminum (US \$ mln): United Arab Emirates 2001 - 2011			
Year	United Arab Emirates	% of Region	% of Globe
2001	0.29	0.43%	0.13%
2002	0.29	0.43%	0.13%
2003	0.29	0.43%	0.13%
2004	0.29	0.43%	0.13%
2005	0.30	0.43%	0.13%
2006	0.31	0.43%	0.13%
2007	0.32	0.43%	0.13%
2008	0.34	0.43%	0.13%
2009	0.35	0.43%	0.13%
2010	0.37	0.43%	0.12%
2011	0.38	0.43%	0.12%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

United Arab Emirates: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Dubai	350	0.11	35.47	0.15	0.04
Abu Dhabi	376	0.10	32.40	0.14	0.04
Sharjah	628	0.05	16.67	0.07	0.02
Ras al-Khaimah	666	0.05	15.47	0.07	0.02
<b>Total</b>		<b>0.31</b>	<b>100.00</b>	<b>0.43</b>	<b>0.13</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.65 UNITED KINGDOM

Year	Aluminum (US \$ mln): United Kingdom 2001 - 2011		% of Globe
	United Kingdom	% of Region	
2001	7.16	10.72%	3.23%
2002	7.23	10.76%	3.22%
2003	7.29	10.81%	3.21%
2004	7.36	10.86%	3.21%
2005	7.45	10.89%	3.20%
2006	7.72	10.86%	3.17%
2007	8.03	10.81%	3.14%
2008	8.35	10.77%	3.12%
2009	8.69	10.72%	3.09%
2010	9.03	10.68%	3.07%
2011	9.40	10.63%	3.04%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	United Kingdom: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
London	8	2.71	35.03	3.80	1.11
Birmingham	64	0.75	9.73	1.06	0.31
Manchester	66	0.75	9.67	1.05	0.31
Bradford	85	0.62	8.09	0.88	0.26
Leeds	86	0.62	8.09	0.88	0.26
Liverpool	132	0.40	5.21	0.57	0.17
Sheffield	146	0.36	4.65	0.51	0.15
Bristol	157	0.33	4.25	0.46	0.13
Coventry	160	0.33	4.22	0.46	0.13
Nottingham	168	0.31	3.95	0.43	0.13
Leicester	172	0.29	3.73	0.41	0.12
Hull	184	0.26	3.36	0.37	0.11
<b>Total</b>		<b>7.72</b>	<b>100.00</b>	<b>10.86</b>	<b>3.17</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.66 UZBEKISTAN

Year	Aluminum (US \$ mln): Uzbekistan 2001 - 2011		% of Globe
	Uzbekistan	% of Region	
2001	0.31	0.46%	0.14%
2002	0.31	0.47%	0.14%
2003	0.32	0.47%	0.14%
2004	0.32	0.48%	0.14%
2005	0.33	0.48%	0.14%
2006	0.34	0.48%	0.14%
2007	0.35	0.47%	0.14%
2008	0.36	0.47%	0.14%
2009	0.38	0.46%	0.13%
2010	0.39	0.46%	0.13%
2011	0.40	0.46%	0.13%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Uzbekistan: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Tashkent	273	0.14	41.18	0.20	0.06
Samarkand	750	0.04	11.24	0.05	0.02
Namangan	1,021	0.02	6.12	0.03	0.01
Andizhan	1,036	0.02	5.82	0.03	0.01
Bukhara	1,139	0.02	4.45	0.02	0.01
Fergana	1,201	0.01	3.97	0.02	0.01
Kokand	1,249	0.01	3.62	0.02	0.01
Nukus	1,283	0.01	3.36	0.02	0.00
Karshi	1,318	0.01	3.10	0.01	0.00
Chirchik	1,319	0.01	3.10	0.01	0.00
Angren	1,393	0.01	2.60	0.01	0.00
Urgench	1,405	0.01	2.54	0.01	0.00
Margilan	1,411	0.01	2.48	0.01	0.00
Almalyk	1,441	0.01	2.26	0.01	0.00
Navoi	1,460	0.01	2.13	0.01	0.00
Others		0.01	2.03	0.01	0.00
<b>Total</b>		<b>0.34</b>	<b>100.00</b>	<b>0.48</b>	<b>0.14</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 5.67 YEMEN

Year	Aluminum (US \$ mln): Yemen 2001 - 2011		% of Globe
	Yemen	% of Region	
2001	0.08	0.12%	0.04%
2002	0.08	0.12%	0.04%
2003	0.08	0.12%	0.04%
2004	0.08	0.12%	0.03%
2005	0.08	0.12%	0.03%
2006	0.08	0.12%	0.03%
2007	0.09	0.12%	0.03%
2008	0.09	0.12%	0.03%
2009	0.10	0.12%	0.03%
2010	0.10	0.12%	0.03%
2011	0.11	0.12%	0.04%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Yemen: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Sanaa	884	0.03	33.39	0.04	0.01
Aden	1,023	0.02	24.86	0.03	0.01
Taizz	1,277	0.01	13.92	0.02	0.00
Hodeida	1,340	0.01	12.12	0.01	0.00
Mukalla	1,341	0.01	12.04	0.01	0.00
Dhamar	1,796	0.00	2.35	0.00	0.00
El Beida	1,970	0.00	0.70	0.00	0.00
Hajja	1,982	0.00	0.63	0.00	0.00
<b>Total</b>		<b>0.08</b>	<b>100.00</b>	<b>0.12</b>	<b>0.03</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 6 LATIN AMERICA

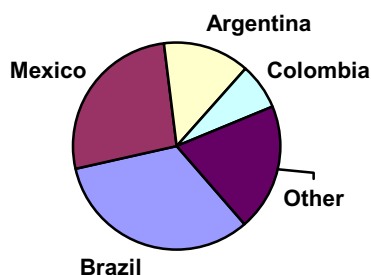
### 6.1 EXECUTIVE SUMMARY

#### Market Potential for Aluminum in Latin America (US \$ mln): 2006

Country	Latent Demand US \$ mln	% of Latin America
Brazil	6.45	32.68%
Mexico	5.30	26.83%
Argentina	2.67	13.54%
Colombia	1.42	7.19%
Chile	0.88	4.46%
Venezuela	0.83	4.21%
Peru	0.70	3.55%
Guatemala	0.26	1.33%
Ecuador	0.21	1.06%
Uruguay	0.17	0.87%
Paraguay	0.15	0.75%
Costa Rica	0.14	0.72%
El Salvador	0.14	0.69%
Bolivia	0.12	0.60%
Honduras	0.10	0.49%
Panama	0.09	0.48%
Nicaragua	0.08	0.38%
Guyana	0.02	0.10%
Suriname	0.01	0.04%
French Guiana	0.01	0.03%
Belize	0.00	0.02%
Falkland Islands	0.00	0.00%
<b>Total</b>	<b>19.75</b>	<b>100.00%</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### Market Potential for Aluminum in Latin America (US \$ mln): 2006



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**The Market for Aluminum in Latin America: 2001 - 2011**

Year	US \$ mln	% of Globe
2001	18.67	8.41
2002	18.73	8.34
2003	18.78	8.27
2004	18.83	8.20
2005	18.98	8.14
2006	19.75	8.11
2007	20.67	8.09
2008	21.63	8.07
2009	22.63	8.06
2010	23.69	8.04
2011	24.80	8.02

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 6.2 ARGENTINA

**Aluminum (US \$ mln): Argentina 2001 - 2011**

Year	Argentina	% of Region	% of Globe
2001	2.40	12.83%	1.08%
2002	2.45	13.06%	1.09%
2003	2.50	13.30%	1.10%
2004	2.55	13.53%	1.11%
2005	2.60	13.71%	1.12%
2006	2.67	13.54%	1.10%
2007	2.75	13.31%	1.08%
2008	2.83	13.09%	1.06%
2009	2.91	12.87%	1.04%
2010	3.00	12.66%	1.02%
2011	3.09	12.44%	1.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Argentina: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Buenos Aires	158	0.33	12.21	1.65	0.13
Santa Fe	159	0.33	12.20	1.65	0.13
Cordoba	161	0.33	12.15	1.65	0.13
Mendoza	240	0.17	6.30	0.85	0.07
Tucumán	280	0.14	5.07	0.69	0.06
Entre Rios	322	0.12	4.40	0.60	0.05
Salta	348	0.11	4.11	0.56	0.05
Rosario	371	0.10	3.84	0.52	0.04
Misiones	373	0.10	3.82	0.52	0.04
Chaco	375	0.10	3.73	0.51	0.04
Corrientes	395	0.10	3.60	0.49	0.04
Santiago del Estero	458	0.08	2.87	0.39	0.03
Río Negro	546	0.06	2.39	0.32	0.03
Jujuy	554	0.06	2.35	0.32	0.03
San Juan	565	0.06	2.29	0.31	0.03
Others		0.50	18.67	2.53	0.21
<b>Total</b>		<b>2.67</b>	<b>100.00</b>	<b>13.54</b>	<b>1.10</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 6.3 BELIZE

<b>Aluminum (US \$ mln): Belize 2001 - 2011</b>			
<b>Year</b>	<b>Belize</b>	<b>% of Region</b>	<b>% of Globe</b>
2001	0.00	0.02%	0.00%
2002	0.00	0.02%	0.00%
2003	0.00	0.02%	0.00%
2004	0.00	0.02%	0.00%
2005	0.00	0.02%	0.00%
2006	0.00	0.02%	0.00%
2007	0.00	0.02%	0.00%
2008	0.00	0.02%	0.00%
2009	0.01	0.02%	0.00%
2010	0.01	0.02%	0.00%
2011	0.01	0.02%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Belize: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Belize City	1,739	0.00	60.00	0.01	0.00
Orange Walk	1,974	0.00	12.50	0.00	0.00
Corozal	1,975	0.00	12.50	0.00	0.00
Dangriga	1,994	0.00	10.00	0.00	0.00
Belmopan	2,036	0.00	5.00	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.02</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 6.4 BOLIVIA

Year	Aluminum (US \$ mln): Bolivia 2001 - 2011		% of Globe
	Bolivia	% of Region	
2001	0.11	0.58%	0.05%
2002	0.11	0.59%	0.05%
2003	0.11	0.59%	0.05%
2004	0.11	0.60%	0.05%
2005	0.11	0.60%	0.05%
2006	0.12	0.60%	0.05%
2007	0.12	0.59%	0.05%
2008	0.13	0.59%	0.05%
2009	0.13	0.58%	0.05%
2010	0.14	0.58%	0.05%
2011	0.14	0.57%	0.05%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Bolivia: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
La Paz	655	0.05	41.65	0.25	0.02
Santa Cruz	858	0.03	24.74	0.15	0.01
Cochabamba	1,070	0.02	15.01	0.09	0.01
Oruro	1,374	0.01	7.72	0.05	0.00
Potosi	1,557	0.01	4.49	0.03	0.00
Sucre	1,600	0.00	3.78	0.02	0.00
Tarija	1,712	0.00	2.60	0.02	0.00
<b>Total</b>		<b>0.12</b>	<b>100.00</b>	<b>0.60</b>	<b>0.05</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 6.5 BRAZIL

Year	Aluminum (US \$ mln): Brazil 2001 - 2011		% of Globe
	Brazil	% of Region	
2001	6.09	32.63%	2.75%
2002	6.12	32.65%	2.72%
2003	6.13	32.67%	2.70%
2004	6.15	32.68%	2.68%
2005	6.20	32.68%	2.66%
2006	6.45	32.68%	2.65%
2007	6.75	32.67%	2.64%
2008	7.06	32.65%	2.64%
2009	7.39	32.64%	2.63%
2010	7.73	32.61%	2.62%
2011	8.08	32.59%	2.61%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)



<b>Brazil: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Sao Paulo	55	0.86	13.35	4.36	0.35
Rio de Janeiro	117	0.49	7.53	2.46	0.20
Salvador	218	0.19	2.95	0.96	0.08
Belo Horizonte	231	0.18	2.80	0.91	0.07
Fortaleza	249	0.16	2.51	0.82	0.07
Brasilia	252	0.16	2.47	0.81	0.07
Curitiba	317	0.12	1.85	0.60	0.05
Recife	328	0.12	1.78	0.58	0.05
Belem	333	0.11	1.76	0.58	0.05
Póрто Alegre	336	0.11	1.74	0.57	0.05
Manaus	399	0.09	1.46	0.48	0.04
Goiânia	426	0.08	1.30	0.42	0.03
Campinas	457	0.08	1.19	0.39	0.03
Guarulhos	475	0.07	1.13	0.37	0.03
Sao Gonçalo	486	0.07	1.10	0.36	0.03
Others		3.56	55.09	18.00	1.46
<b>Total</b>		<b>6.45</b>	<b>100.00</b>	<b>32.68</b>	<b>2.65</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 6.6 CHILE

<b>Year</b>	<b>Aluminum (US \$ mln): Chile 2001 - 2011</b>		
	<b>Chile</b>	<b>% of Region</b>	<b>% of Globe</b>
2001	0.85	4.54%	0.38%
2002	0.84	4.51%	0.38%
2003	0.84	4.48%	0.37%
2004	0.84	4.46%	0.37%
2005	0.84	4.44%	0.36%
2006	0.88	4.46%	0.36%
2007	0.93	4.48%	0.36%
2008	0.97	4.51%	0.36%
2009	1.03	4.53%	0.37%
2010	1.08	4.56%	0.37%
2011	1.14	4.58%	0.37%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Chile: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Santiago	96	0.56	64.14	2.86	0.23
Concepcion	702	0.04	4.92	0.22	0.02
Viña del Mar	732	0.04	4.53	0.20	0.02
Valparaiso	764	0.04	4.21	0.19	0.02
Talcahuano	820	0.03	3.70	0.16	0.01
Temuco	829	0.03	3.62	0.16	0.01
Antofagasta	846	0.03	3.40	0.15	0.01
Rancagua	945	0.02	2.79	0.12	0.01
Talca	984	0.02	2.55	0.11	0.01
Arica	993	0.02	2.52	0.11	0.01
Puerto Montt	1,088	0.02	1.93	0.09	0.01
Punta Arenas	1,152	0.01	1.69	0.08	0.01
<b>Total</b>		<b>0.88</b>	<b>100.00</b>	<b>4.46</b>	<b>0.36</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 6.7 COLOMBIA

Year	Aluminum (US \$ mln): Colombia 2001 - 2011		
	Colombia	% of Region	% of Globe
2001	1.32	7.05%	0.59%
2002	1.33	7.09%	0.59%
2003	1.34	7.14%	0.59%
2004	1.35	7.19%	0.59%
2005	1.37	7.22%	0.59%
2006	1.42	7.19%	0.58%
2007	1.48	7.14%	0.58%
2008	1.54	7.10%	0.57%
2009	1.60	7.06%	0.57%
2010	1.66	7.01%	0.56%
2011	1.73	6.97%	0.56%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Colombia: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Bogota	84	0.64	45.36	3.26	0.26
Cali	220	0.19	13.10	0.94	0.08
Medellin	228	0.18	12.81	0.92	0.07
Barranquilla	469	0.07	5.21	0.37	0.03
Cartagena	472	0.07	5.16	0.37	0.03
Bucaramanga	745	0.04	2.71	0.20	0.02
Cucuta	778	0.04	2.53	0.18	0.01
Pereira	823	0.03	2.28	0.16	0.01
Manizales	878	0.03	1.99	0.14	0.01
Ibague	894	0.03	1.91	0.14	0.01
Armenia	1,019	0.02	1.46	0.11	0.01
Santa Marta	1,115	0.02	1.12	0.08	0.01
Neiva	1,183	0.01	0.99	0.07	0.01
Pasto	1,212	0.01	0.92	0.07	0.01
Monteria	1,246	0.01	0.87	0.06	0.01
Others		0.02	1.58	0.11	0.01
<b>Total</b>		<b>1.42</b>	<b>100.00</b>	<b>7.19</b>	<b>0.58</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 6.8 COSTA RICA

<b>Year</b>	<b>Aluminum (US \$ mln): Costa Rica 2001 - 2011</b>		
	<b>Costa Rica</b>	<b>% of Region</b>	<b>% of Globe</b>
2001	0.13	0.70%	0.06%
2002	0.13	0.71%	0.06%
2003	0.13	0.71%	0.06%
2004	0.14	0.72%	0.06%
2005	0.14	0.72%	0.06%
2006	0.14	0.72%	0.06%
2007	0.15	0.71%	0.06%
2008	0.15	0.71%	0.06%
2009	0.16	0.71%	0.06%
2010	0.17	0.70%	0.06%
2011	0.17	0.70%	0.06%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Costa Rica: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
San Jose	631	0.05	36.14	0.26	0.02
Alajuela	898	0.03	19.04	0.14	0.01
Cartago	1,056	0.02	13.08	0.09	0.01
Puntarenas	1,116	0.02	11.14	0.08	0.01
Heredia	1,275	0.01	8.16	0.06	0.00
Limon	1,276	0.01	8.16	0.06	0.00
Liberia	1,518	0.01	4.27	0.03	0.00
<b>Total</b>		<b>0.14</b>	<b>100.00</b>	<b>0.72</b>	<b>0.06</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 6.9 ECUADOR

Aluminum (US \$ mln): Ecuador 2001 - 2011			
Year	Ecuador	% of Region	% of Globe
2001	0.19	1.00%	0.08%
2002	0.19	1.02%	0.09%
2003	0.20	1.04%	0.09%
2004	0.20	1.06%	0.09%
2005	0.20	1.07%	0.09%
2006	0.21	1.06%	0.09%
2007	0.22	1.04%	0.08%
2008	0.22	1.02%	0.08%
2009	0.23	1.01%	0.08%
2010	0.23	0.99%	0.08%
2011	0.24	0.97%	0.08%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Ecuador: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Guayaquil	416	0.09	42.53	0.45	0.04
Quito	541	0.06	30.89	0.33	0.03
Cuenca	1,282	0.01	5.46	0.06	0.00
Machala	1,414	0.01	3.98	0.04	0.00
Portoviejo	1,423	0.01	3.90	0.04	0.00
Riobamba	1,429	0.01	3.75	0.04	0.00
Ambato	1,473	0.01	3.35	0.04	0.00
Manta	1,482	0.01	3.25	0.03	0.00
Esmeraldas	1,522	0.01	2.88	0.03	0.00
<b>Total</b>		<b>0.21</b>	<b>100.00</b>	<b>1.06</b>	<b>0.09</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 6.10 EL SALVADOR

Year	Aluminum (US \$ mln): El Salvador 2001 - 2011		% of Globe
	El Salvador	% of Region	
2001	0.13	0.67%	0.06%
2002	0.13	0.68%	0.06%
2003	0.13	0.68%	0.06%
2004	0.13	0.69%	0.06%
2005	0.13	0.69%	0.06%
2006	0.14	0.69%	0.06%
2007	0.14	0.68%	0.06%
2008	0.15	0.68%	0.05%
2009	0.15	0.67%	0.05%
2010	0.16	0.66%	0.05%
2011	0.16	0.66%	0.05%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	El Salvador: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
San Salvador	459	0.08	56.44	0.39	0.03
Santa Ana	976	0.02	16.93	0.12	0.01
San Miguel	1,169	0.01	10.67	0.07	0.01
Nueva San Salvador	1,402	0.01	6.38	0.04	0.00
Sonsonate	1,430	0.01	5.77	0.04	0.00
Cojutepeque	1,564	0.01	3.80	0.03	0.00
<b>Total</b>		<b>0.14</b>	<b>100.00</b>	<b>0.69</b>	<b>0.06</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 6.11 FALKLAND ISLANDS

Year	Aluminum (US \$ mln): Falkland Islands 2001 - 2011		% of Globe
	Falkland Islands	% of Region	
2001	0.00	0.00%	0.00%
2002	0.00	0.00%	0.00%
2003	0.00	0.00%	0.00%
2004	0.00	0.00%	0.00%
2005	0.00	0.00%	0.00%
2006	0.00	0.00%	0.00%
2007	0.00	0.00%	0.00%
2008	0.00	0.00%	0.00%
2009	0.00	0.00%	0.00%
2010	0.00	0.00%	0.00%
2011	0.00	0.00%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Falkland Islands: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Stanley	2,026	0.00	100.00	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.00</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 6.12 FRENCH GUIANA

Aluminum (US \$ mln): French Guiana 2001 - 2011			
Year	French Guiana	% of Region	% of Globe
2001	0.00	0.03%	0.00%
2002	0.01	0.03%	0.00%
2003	0.01	0.03%	0.00%
2004	0.01	0.03%	0.00%
2005	0.01	0.03%	0.00%
2006	0.01	0.03%	0.00%
2007	0.01	0.03%	0.00%
2008	0.01	0.03%	0.00%
2009	0.01	0.03%	0.00%
2010	0.01	0.03%	0.00%
2011	0.01	0.03%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

French Guiana: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Cayenne	1,655	0.00	66.67	0.02	0.00
Kourou	1,949	0.00	11.67	0.00	0.00
Remire	1,976	0.00	10.00	0.00	0.00
Saint Laurent	1,992	0.00	8.33	0.00	0.00
Sinnamary	2,044	0.00	3.33	0.00	0.00
<b>Total</b>		<b>0.01</b>	<b>100.00</b>	<b>0.03</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 6.13 GUATEMALA

Year	Aluminum (US \$ mln): Guatemala 2001 - 2011		% of Globe
	Guatemala	% of Region	
2001	0.24	1.30%	0.11%
2002	0.25	1.31%	0.11%
2003	0.25	1.32%	0.11%
2004	0.25	1.33%	0.11%
2005	0.25	1.33%	0.11%
2006	0.26	1.33%	0.11%
2007	0.27	1.32%	0.11%
2008	0.28	1.31%	0.11%
2009	0.30	1.30%	0.11%
2010	0.31	1.30%	0.10%
2011	0.32	1.29%	0.10%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Guatemala: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Guatemala City	214	0.19	74.02	0.98	0.08
Escuintla	1,178	0.01	5.39	0.07	0.01
Quezaltenango	1,203	0.01	5.11	0.07	0.01
Puerto Barrios	1,394	0.01	3.36	0.04	0.00
Retalhuleu	1,404	0.01	3.29	0.04	0.00
Coban	1,426	0.01	3.08	0.04	0.00
Chiquimula	1,427	0.01	3.01	0.04	0.00
Mazatenango	1,466	0.01	2.73	0.04	0.00
<b>Total</b>		<b>0.26</b>	<b>100.00</b>	<b>1.33</b>	<b>0.11</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 6.14 GUYANA

Year	Aluminum (US \$ mln): Guyana 2001 - 2011		% of Globe
	Guyana	% of Region	
2001	0.02	0.10%	0.01%
2002	0.02	0.10%	0.01%
2003	0.02	0.10%	0.01%
2004	0.02	0.10%	0.01%
2005	0.02	0.10%	0.01%
2006	0.02	0.10%	0.01%
2007	0.02	0.10%	0.01%
2008	0.02	0.10%	0.01%
2009	0.02	0.10%	0.01%
2010	0.02	0.10%	0.01%
2011	0.02	0.09%	0.01%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Guyana: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Georgetown	1,168	0.01	75.19	0.07	0.01
Linden	1,776	0.00	11.28	0.01	0.00
New Amsterdam	1,854	0.00	7.52	0.01	0.00
Corriverton	1,926	0.00	4.14	0.00	0.00
Mahaicony	2,007	0.00	1.88	0.00	0.00
<b>Total</b>		<b>0.02</b>	<b>100.00</b>	<b>0.10</b>	<b>0.01</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 6.15 HONDURAS

<b>Aluminum (US \$ mln): Honduras 2001 - 2011</b>			
<b>Year</b>	<b>Honduras</b>	<b>% of Region</b>	<b>% of Globe</b>
2001	0.09	0.50%	0.04%
2002	0.09	0.50%	0.04%
2003	0.09	0.50%	0.04%
2004	0.09	0.49%	0.04%
2005	0.09	0.49%	0.04%
2006	0.10	0.49%	0.04%
2007	0.10	0.50%	0.04%
2008	0.11	0.50%	0.04%
2009	0.11	0.50%	0.04%
2010	0.12	0.50%	0.04%
2011	0.12	0.50%	0.04%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Honduras: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Tegucigalpa	701	0.04	44.79	0.22	0.02
San Pedro Sula	861	0.03	29.98	0.15	0.01
La Ceiba	1,598	0.00	4.61	0.02	0.00
Choluteca	1,604	0.00	4.54	0.02	0.00
El Progreso	1,623	0.00	4.26	0.02	0.00
Puerto Cortes	1,730	0.00	2.94	0.01	0.00
Comayagua	1,775	0.00	2.24	0.01	0.00
Tela	1,806	0.00	1.96	0.01	0.00
Siguatopeque	1,821	0.00	1.82	0.01	0.00
Santa Rosa de Copan	1,857	0.00	1.47	0.01	0.00
Danli	1,863	0.00	1.40	0.01	0.00
<b>Total</b>		<b>0.10</b>	<b>100.00</b>	<b>0.49</b>	<b>0.04</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)



## 6.16 MEXICO

Year	Aluminum (US \$ mln): Mexico 2001 - 2011		% of Globe
	Mexico	% of Region	
2001	5.23	28.00%	2.36%
2002	5.17	27.61%	2.30%
2003	5.11	27.23%	2.25%
2004	5.05	26.85%	2.20%
2005	5.04	26.56%	2.16%
2006	5.30	26.83%	2.18%
2007	5.62	27.19%	2.20%
2008	5.96	27.56%	2.23%
2009	6.32	27.93%	2.25%
2010	6.70	28.30%	2.27%
2011	7.11	28.67%	2.30%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Mexico: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Mexico City	25	1.51	28.42	7.62	0.62
Guadalajara	171	0.29	5.47	1.47	0.12
Nezahualcoyotl	202	0.22	4.13	1.11	0.09
Puebla	204	0.22	4.10	1.10	0.09
Monterrey	216	0.19	3.64	0.98	0.08
Leon	224	0.19	3.49	0.94	0.08
Ciudad Juarez	232	0.18	3.39	0.91	0.07
Tijuana	235	0.18	3.32	0.89	0.07
Culiacan	310	0.12	2.33	0.63	0.05
Mexicali	311	0.12	2.33	0.63	0.05
Acapulco	314	0.12	2.30	0.62	0.05
Chihuahua	337	0.11	2.10	0.56	0.05
S. Luis Potosi	342	0.11	2.10	0.56	0.05
Aguascalientes	370	0.10	1.95	0.52	0.04
Morelia	372	0.10	1.94	0.52	0.04
Others		1.54	28.99	7.78	0.63
<b>Total</b>		<b>5.30</b>	<b>100.00</b>	<b>26.83</b>	<b>2.18</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 6.17 NICARAGUA

Year	Aluminum (US \$ mln): Nicaragua 2001 - 2011		% of Globe
	Nicaragua	% of Region	
2001	0.07	0.38%	0.03%
2002	0.07	0.38%	0.03%
2003	0.07	0.38%	0.03%
2004	0.07	0.38%	0.03%
2005	0.07	0.38%	0.03%
2006	0.08	0.38%	0.03%
2007	0.08	0.38%	0.03%
2008	0.08	0.38%	0.03%
2009	0.09	0.38%	0.03%
2010	0.09	0.39%	0.03%
2011	0.10	0.39%	0.03%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Nicaragua: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Managua	784	0.04	47.30	0.18	0.01
Rosita	1,092	0.02	22.54	0.09	0.01
Leon	1,559	0.01	7.00	0.03	0.00
Granada	1,591	0.00	6.17	0.02	0.00
Masaya	1,641	0.00	5.20	0.02	0.00
Chinandega	1,666	0.00	4.72	0.02	0.00
Matagalpa	1,802	0.00	2.57	0.01	0.00
San Carlos	1,820	0.00	2.36	0.01	0.00
Esteli	1,839	0.00	2.15	0.01	0.00
<b>Total</b>		<b>0.08</b>	<b>100.00</b>	<b>0.38</b>	<b>0.03</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 6.18 PANAMA

Year	Aluminum (US \$ mln): Panama 2001 - 2011		% of Globe
	Panama	% of Region	
2001	0.09	0.46%	0.04%
2002	0.09	0.47%	0.04%
2003	0.09	0.47%	0.04%
2004	0.09	0.48%	0.04%
2005	0.09	0.48%	0.04%
2006	0.09	0.48%	0.04%
2007	0.10	0.47%	0.04%
2008	0.10	0.47%	0.04%
2009	0.11	0.46%	0.04%
2010	0.11	0.46%	0.04%
2011	0.11	0.46%	0.04%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Panama: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Panama	576	0.06	62.90	0.30	0.02
Colon	1,343	0.01	10.55	0.05	0.00
David	1,463	0.01	7.64	0.04	0.00
La Chorrera	1,493	0.01	6.94	0.03	0.00
Penonome	1,614	0.00	4.51	0.02	0.00
Santiago	1,619	0.00	4.46	0.02	0.00
Bocas del Toro	1,853	0.00	1.54	0.01	0.00
Tocumen	1,862	0.00	1.46	0.01	0.00
<b>Total</b>		<b>0.09</b>	<b>100.00</b>	<b>0.48</b>	<b>0.04</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 6.19 PARAGUAY

<b>Aluminum (US \$ mln): Paraguay 2001 - 2011</b>			
<b>Year</b>	<b>Paraguay</b>	<b>% of Region</b>	<b>% of Globe</b>
2001	0.13	0.71%	0.06%
2002	0.14	0.72%	0.06%
2003	0.14	0.73%	0.06%
2004	0.14	0.75%	0.06%
2005	0.14	0.75%	0.06%
2006	0.15	0.75%	0.06%
2007	0.15	0.73%	0.06%
2008	0.16	0.72%	0.06%
2009	0.16	0.71%	0.06%
2010	0.17	0.70%	0.06%
2011	0.17	0.69%	0.06%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Paraguay: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Asuncion	417	0.09	59.85	0.45	0.04
Puerto Stroessner	1,204	0.01	9.03	0.07	0.01
San Lorenzo	1,351	0.01	6.57	0.05	0.00
Pedro Juan Caballero	1,352	0.01	6.57	0.05	0.00
Fernando de la Mora	1,401	0.01	5.91	0.04	0.00
Encarnacion	1,653	0.00	2.55	0.02	0.00
Pilar	1,701	0.00	2.13	0.02	0.00
Concepción	1,702	0.00	2.13	0.02	0.00
Villarrica	1,743	0.00	1.81	0.01	0.00
Coronel Oviedo	1,744	0.00	1.81	0.01	0.00
Caaguazu	1,759	0.00	1.64	0.01	0.00
<b>Total</b>		<b>0.15</b>	<b>100.00</b>	<b>0.75</b>	<b>0.06</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 6.20 PERU

Year	Aluminum (US \$ mln): Peru 2001 - 2011		% of Globe
	Peru	% of Region	
2001	0.66	3.51%	0.30%
2002	0.66	3.52%	0.29%
2003	0.66	3.53%	0.29%
2004	0.67	3.55%	0.29%
2005	0.67	3.55%	0.29%
2006	0.70	3.55%	0.29%
2007	0.73	3.54%	0.29%
2008	0.76	3.52%	0.28%
2009	0.79	3.51%	0.28%
2010	0.83	3.50%	0.28%
2011	0.86	3.49%	0.28%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Peru: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Lima	134	0.39	56.10	1.99	0.16
Arequipa	643	0.05	7.21	0.26	0.02
Callao	664	0.05	6.82	0.24	0.02
Trujillo	711	0.04	5.98	0.21	0.02
Chiclayo	802	0.03	4.81	0.17	0.01
Piura	933	0.03	3.62	0.13	0.01
Chimbote	964	0.02	3.40	0.12	0.01
Cuzco	1,002	0.02	3.11	0.11	0.01
Iquitos	1,011	0.02	3.02	0.11	0.01
Huancayo	1,091	0.02	2.42	0.09	0.01
Sullana	1,240	0.01	1.78	0.06	0.01
Pucallpa	1,257	0.01	1.72	0.06	0.00
<b>Total</b>		<b>0.70</b>	<b>100.00</b>	<b>3.55</b>	<b>0.29</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 6.21 SURINAME

Year	Aluminum (US \$ mln): Suriname 2001 - 2011		% of Globe
	Suriname	% of Region	
2001	0.01	0.04%	0.00%
2002	0.01	0.04%	0.00%
2003	0.01	0.04%	0.00%
2004	0.01	0.04%	0.00%
2005	0.01	0.04%	0.00%
2006	0.01	0.04%	0.00%
2007	0.01	0.04%	0.00%
2008	0.01	0.04%	0.00%
2009	0.01	0.04%	0.00%
2010	0.01	0.04%	0.00%
2011	0.01	0.04%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Suriname: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Paramaribo	1,462	0.01	87.39	0.04	0.00
Nieuw Nickerie	1,979	0.00	6.72	0.00	0.00
Marienburg	2,029	0.00	3.36	0.00	0.00
Moengo	2,061	0.00	1.68	0.00	0.00
Totness	2,069	0.00	0.84	0.00	0.00
<b>Total</b>		<b>0.01</b>	<b>100.00</b>	<b>0.04</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 6.22 URUGUAY

Year	Aluminum (US \$ mln): Uruguay 2001 - 2011		% of Globe
	Uruguay	% of Region	
2001	0.15	0.80%	0.07%
2002	0.15	0.83%	0.07%
2003	0.16	0.85%	0.07%
2004	0.16	0.87%	0.07%
2005	0.17	0.89%	0.07%
2006	0.17	0.87%	0.07%
2007	0.18	0.85%	0.07%
2008	0.18	0.83%	0.07%
2009	0.18	0.81%	0.07%
2010	0.19	0.79%	0.06%
2011	0.19	0.77%	0.06%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Uruguay: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Montevideo	296	0.13	74.51	0.65	0.05
Salto	1,413	0.01	4.84	0.04	0.00
Paysandu	1,435	0.01	4.48	0.04	0.00
Las Piedras	1,509	0.01	3.64	0.03	0.00
Rivera	1,537	0.01	3.34	0.03	0.00
Melo	1,609	0.00	2.51	0.02	0.00
Tacuarembó	1,626	0.00	2.39	0.02	0.00
Mercedes	1,649	0.00	2.21	0.02	0.00
Minas	1,659	0.00	2.09	0.02	0.00
<b>Total</b>		<b>0.17</b>	<b>100.00</b>	<b>0.87</b>	<b>0.07</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 6.23 VENEZUELA

Year	Aluminum (US \$ mln): Venezuela 2001 - 2011		
	Venezuela	% of Region	% of Globe
2001	0.77	4.14%	0.35%
2002	0.78	4.16%	0.35%
2003	0.79	4.18%	0.35%
2004	0.79	4.21%	0.35%
2005	0.80	4.22%	0.34%
2006	0.83	4.21%	0.34%
2007	0.87	4.19%	0.34%
2008	0.90	4.16%	0.34%
2009	0.94	4.14%	0.33%
2010	0.98	4.12%	0.33%
2011	1.02	4.10%	0.33%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Venezuela: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Caracas	198	0.22	26.70	1.12	0.09
Maracaibo	425	0.08	10.15	0.43	0.03
Valencia	465	0.07	9.01	0.38	0.03
Maracay	584	0.06	6.80	0.29	0.02
Barquisimeto	669	0.05	5.65	0.24	0.02
Petare	812	0.03	3.97	0.17	0.01
Ciudad Guayana	824	0.03	3.89	0.16	0.01
San Cristobal	997	0.02	2.65	0.11	0.01
La Guaira	1,018	0.02	2.51	0.11	0.01
Baruta	1,082	0.02	2.08	0.09	0.01
Ciudad Bolivar	1,090	0.02	2.04	0.09	0.01
Maturin	1,100	0.02	1.99	0.08	0.01
Merida	1,104	0.02	1.98	0.08	0.01
Cumana	1,112	0.02	1.95	0.08	0.01
Barcelona	1,143	0.02	1.81	0.08	0.01
Others		0.14	16.83	0.71	0.06
<b>Total</b>		<b>0.83</b>	<b>100.00</b>	<b>4.21</b>	<b>0.34</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 7 NORTH AMERICA & THE CARIBBEAN

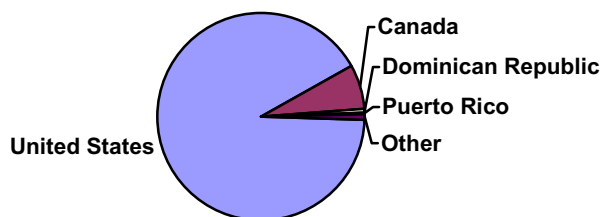
### 7.1 EXECUTIVE SUMMARY

#### Market Potential for Aluminum in North America & the Caribbean (US \$ mln): 2006

Country	Latent Demand US \$ mln	% of North America & the Caribbean
United States	57.13	91.36%
Canada	4.43	7.08%
Dominican Republic	0.28	0.45%
Puerto Rico	0.22	0.35%
Cuba	0.11	0.18%
Haiti	0.07	0.11%
Trinidad and Tobago	0.06	0.10%
Jamaica	0.05	0.09%
Bahamas	0.03	0.04%
Martinique	0.02	0.04%
Barbados	0.02	0.04%
Guadeloupe	0.02	0.03%
Netherlands Antilles	0.01	0.02%
Bermuda	0.01	0.02%
Aruba	0.01	0.02%
Virgin Islands, US	0.01	0.02%
Greenland	0.01	0.01%
Cayman Islands	0.01	0.01%
St. Lucia	0.00	0.01%
Antigua and Barbuda	0.00	0.00%
Grenada	0.00	0.00%
St. Vincent and the Grenadines	0.00	0.00%
British Virgin Islands	0.00	0.00%
Dominica	0.00	0.00%
St. Kitts and Nevis	0.00	0.00%
Other	0.00	0.00%
<b>Total</b>	<b>62.53</b>	<b>100.00%</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### Market Potential for Aluminum in North America & the Caribbean (US \$ mln): 2006





**The Market for Aluminum in North America & the Caribbean: 2001 - 2011**

Year	US \$ mln	% of Globe
2001	49.76	22.42
2002	52.11	23.21
2003	54.48	24.01
2004	56.96	24.82
2005	59.59	25.55
2006	62.53	25.67
2007	65.63	25.70
2008	68.90	25.72
2009	72.32	25.74
2010	75.92	25.76
2011	79.69	25.77

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

**7.2 ANTIGUA AND BARBUDA****Aluminum (US \$ mln): Antigua and Barbuda 2001 - 2011**

Year	Antigua and Barbuda	% of Region	% of Globe
2001	0.00	0.01%	0.00%
2002	0.00	0.01%	0.00%
2003	0.00	0.01%	0.00%
2004	0.00	0.01%	0.00%
2005	0.00	0.00%	0.00%
2006	0.00	0.00%	0.00%
2007	0.00	0.00%	0.00%
2008	0.00	0.00%	0.00%
2009	0.00	0.00%	0.00%
2010	0.00	0.00%	0.00%
2011	0.00	0.00%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

**Antigua and Barbuda: Aluminum in 2006, US \$ mln**

City	World Rank	US \$ mln	%Country	%Region	%World
Saint John's	1,721	0.00	97.30	0.00	0.00
Codrington	2,067	0.00	2.70	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.00</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 7.3 ARUBA

Year	Aluminum (US \$ mln): Aruba 2001 - 2011		% of Globe
	Aruba	% of Region	
2001	0.01	0.02%	0.00%
2002	0.01	0.02%	0.00%
2003	0.01	0.02%	0.00%
2004	0.01	0.02%	0.00%
2005	0.01	0.02%	0.00%
2006	0.01	0.02%	0.00%
2007	0.01	0.02%	0.00%
2008	0.01	0.02%	0.00%
2009	0.01	0.02%	0.00%
2010	0.01	0.02%	0.00%
2011	0.01	0.02%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Aruba: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Oranjestad	1,514	0.01	54.05	0.01	0.00
Sint Nicolaas	1,560	0.01	45.95	0.01	0.00
<b>Total</b>		<b>0.01</b>	<b>100.00</b>	<b>0.02</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 7.4 BAHAMAS

Year	Aluminum (US \$ mln): Bahamas 2001 - 2011		% of Globe
	Bahamas	% of Region	
2001	0.02	0.05%	0.01%
2002	0.02	0.05%	0.01%
2003	0.02	0.04%	0.01%
2004	0.02	0.04%	0.01%
2005	0.02	0.04%	0.01%
2006	0.03	0.04%	0.01%
2007	0.03	0.04%	0.01%
2008	0.03	0.04%	0.01%
2009	0.03	0.04%	0.01%
2010	0.03	0.04%	0.01%
2011	0.03	0.04%	0.01%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Bahamas: Aluminum in 2006, US \$ mln</b>					
City	World Rank	US \$ mln	%Country	%Region	%World
Nassau	1,001	0.02	84.91	0.03	0.01
Freeport	1,644	0.00	15.09	0.01	0.00
<b>Total</b>		<b>0.03</b>	<b>100.00</b>	<b>0.04</b>	<b>0.01</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 7.5 BARBADOS

<b>Aluminum (US \$ mln): Barbados 2001 - 2011</b>			
Year	Barbados	% of Region	% of Globe
2001	0.02	0.04%	0.01%
2002	0.02	0.04%	0.01%
2003	0.02	0.04%	0.01%
2004	0.02	0.04%	0.01%
2005	0.02	0.04%	0.01%
2006	0.02	0.04%	0.01%
2007	0.02	0.04%	0.01%
2008	0.02	0.04%	0.01%
2009	0.03	0.04%	0.01%
2010	0.03	0.03%	0.01%
2011	0.03	0.03%	0.01%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Barbados: Aluminum in 2006, US \$ mln</b>					
City	World Rank	US \$ mln	%Country	%Region	%World
Bridgetown	982	0.02	100.00	0.04	0.01
<b>Total</b>		<b>0.02</b>	<b>100.00</b>	<b>0.04</b>	<b>0.01</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 7.6 BERMUDA

Year	Aluminum (US \$ mln): Bermuda 2001 - 2011		% of Globe
	Bermuda	% of Region	
2001	0.01	0.02%	0.00%
2002	0.01	0.02%	0.00%
2003	0.01	0.02%	0.00%
2004	0.01	0.02%	0.00%
2005	0.01	0.02%	0.00%
2006	0.01	0.02%	0.00%
2007	0.01	0.02%	0.00%
2008	0.01	0.02%	0.00%
2009	0.01	0.02%	0.00%
2010	0.01	0.02%	0.00%
2011	0.01	0.02%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Bermuda: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Hamilton	1,468	0.01	60.00	0.01	0.00
Saint George	1,585	0.00	40.00	0.01	0.00
<b>Total</b>		<b>0.01</b>	<b>100.00</b>	<b>0.02</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 7.7 BRITISH VIRGIN ISLANDS

Year	Aluminum (US \$ mln): British Virgin Islands 2001 - 2011		% of Globe
	British Virgin Islands	% of Region	
2001	0.00	0.00%	0.00%
2002	0.00	0.00%	0.00%
2003	0.00	0.00%	0.00%
2004	0.00	0.00%	0.00%
2005	0.00	0.00%	0.00%
2006	0.00	0.00%	0.00%
2007	0.00	0.00%	0.00%
2008	0.00	0.00%	0.00%
2009	0.00	0.00%	0.00%
2010	0.00	0.00%	0.00%
2011	0.00	0.00%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>British Virgin Islands: Aluminum in 2006, US \$ mln</b>					
City	World Rank	US \$ mln	%Country	%Region	%World
Road town	1,817	0.00	100.00	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.00</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 7.8 CANADA

<b>Aluminum (US \$ mln): Canada 2001 - 2011</b>			
Year	Canada	% of Region	% of Globe
2001	4.19	8.41%	1.89%
2002	4.20	8.06%	1.87%
2003	4.21	7.73%	1.85%
2004	4.22	7.41%	1.84%
2005	4.25	7.14%	1.82%
2006	4.43	7.08%	1.82%
2007	4.63	7.06%	1.81%
2008	4.85	7.04%	1.81%
2009	5.07	7.02%	1.81%
2010	5.31	6.99%	1.80%
2011	5.56	6.97%	1.80%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>Canada: Aluminum in 2006, US \$ mln</b>					
City	World Rank	US \$ mln	%Country	%Region	%World
Toronto	29	1.32	29.90	2.12	0.54
Montreal	37	1.13	25.49	1.80	0.46
Vancouver	105	0.53	12.05	0.85	0.22
Ottawa	163	0.32	7.15	0.51	0.13
Calgary	187	0.25	5.55	0.39	0.10
Winnipeg	195	0.23	5.19	0.37	0.09
Edmonton	199	0.22	5.01	0.35	0.09
Hamilton	321	0.12	2.68	0.19	0.05
Regina	513	0.07	1.53	0.11	0.03
Quebec	547	0.06	1.44	0.10	0.03
Halifax	699	0.04	0.99	0.07	0.02
Thunder Bay	704	0.04	0.98	0.07	0.02
Saint John's	763	0.04	0.84	0.06	0.02
Niagara Falls	882	0.03	0.63	0.04	0.01
Victoria	930	0.03	0.58	0.04	0.01
<b>Total</b>		<b>4.43</b>	<b>100.00</b>	<b>7.08</b>	<b>1.82</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 7.9 CAYMAN ISLANDS

Year	Aluminum (US \$ mln): Cayman Islands 2001 - 2011		% of Globe
	Cayman Islands	% of Region	
2001	0.01	0.01%	0.00%
2002	0.01	0.01%	0.00%
2003	0.01	0.01%	0.00%
2004	0.01	0.01%	0.00%
2005	0.01	0.01%	0.00%
2006	0.01	0.01%	0.00%
2007	0.01	0.01%	0.00%
2008	0.01	0.01%	0.00%
2009	0.01	0.01%	0.00%
2010	0.01	0.01%	0.00%
2011	0.01	0.01%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Cayman Islands: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
George Town	1,709	0.00	58.33	0.00	0.00
West Bay	1,845	0.00	29.17	0.00	0.00
Savannah	1,996	0.00	8.33	0.00	0.00
Bodden Town	2,037	0.00	4.17	0.00	0.00
<b>Total</b>		<b>0.01</b>	<b>100.00</b>	<b>0.01</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 7.10 CUBA

Year	Aluminum (US \$ mln): Cuba 2001 - 2011		% of Globe
	Cuba	% of Region	
2001	0.11	0.21%	0.05%
2002	0.11	0.20%	0.05%
2003	0.11	0.19%	0.05%
2004	0.11	0.18%	0.05%
2005	0.11	0.18%	0.05%
2006	0.11	0.18%	0.05%
2007	0.12	0.18%	0.05%
2008	0.12	0.18%	0.05%
2009	0.13	0.18%	0.05%
2010	0.14	0.18%	0.05%
2011	0.14	0.18%	0.05%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Cuba: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Havana	577	0.06	52.92	0.09	0.02
Santiago de Cuba	1,295	0.01	10.02	0.02	0.00
Camagüey	1,434	0.01	7.07	0.01	0.00
Holguin	1,513	0.01	5.60	0.01	0.00
Guantanamo	1,548	0.01	4.96	0.01	0.00
Santa Clara	1,556	0.01	4.83	0.01	0.00
Bayamo	1,677	0.00	3.06	0.01	0.00
Cienfuegos	1,687	0.00	2.98	0.01	0.00
Pinar del Rio	1,698	0.00	2.88	0.01	0.00
Las Tunas	1,700	0.00	2.85	0.01	0.00
Matanzas	1,704	0.00	2.83	0.00	0.00
<b>Total</b>		<b>0.11</b>	<b>100.00</b>	<b>0.18</b>	<b>0.05</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### 7.11 DOMINICA

Aluminum (US \$ mln): Dominica 2001 - 2011			
Year	Dominica	% of Region	% of Globe
2001	0.00	0.00%	0.00%
2002	0.00	0.00%	0.00%
2003	0.00	0.00%	0.00%
2004	0.00	0.00%	0.00%
2005	0.00	0.00%	0.00%
2006	0.00	0.00%	0.00%
2007	0.00	0.00%	0.00%
2008	0.00	0.00%	0.00%
2009	0.00	0.00%	0.00%
2010	0.00	0.00%	0.00%
2011	0.00	0.00%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Dominica: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Roseau	1,897	0.00	64.71	0.00	0.00
Saint Joseph	2,057	0.00	8.82	0.00	0.00
Berekua	2,058	0.00	8.82	0.00	0.00
Marigot	2,059	0.00	8.82	0.00	0.00
Portsmouth	2,060	0.00	8.82	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.00</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 7.12 DOMINICAN REPUBLIC

Year	Aluminum (US \$ mln): Dominican Republic 2001 - 2011		% of Globe
	Dominican Republic	% of Region	
2001	0.28	0.56%	0.13%
2002	0.28	0.53%	0.12%
2003	0.27	0.50%	0.12%
2004	0.27	0.47%	0.12%
2005	0.27	0.45%	0.11%
2006	0.28	0.45%	0.12%
2007	0.30	0.46%	0.12%
2008	0.32	0.46%	0.12%
2009	0.34	0.47%	0.12%
2010	0.36	0.48%	0.12%
2011	0.38	0.48%	0.12%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Dominican Republic: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Santo Domingo	229	0.18	64.68	0.29	0.07
Santiago	769	0.04	13.07	0.06	0.02
La Romana	1,219	0.01	4.63	0.02	0.01
San Pedro de Macoris	1,274	0.01	4.13	0.02	0.00
San Francisco de Macoris	1,306	0.01	3.85	0.02	0.00
La Vega	1,419	0.01	2.94	0.01	0.00
Barahona	1,500	0.01	2.29	0.01	0.00
San Juan	1,501	0.01	2.29	0.01	0.00
Puerto Plata	1,528	0.01	2.11	0.01	0.00
<b>Total</b>		<b>0.28</b>	<b>100.00</b>	<b>0.45</b>	<b>0.12</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 7.13 GREENLAND

Year	Aluminum (US \$ mln): Greenland 2001 - 2011		% of Globe
	Greenland	% of Region	
2001	0.01	0.01%	0.00%
2002	0.01	0.01%	0.00%
2003	0.01	0.01%	0.00%
2004	0.01	0.01%	0.00%
2005	0.01	0.01%	0.00%
2006	0.01	0.01%	0.00%
2007	0.01	0.01%	0.00%
2008	0.01	0.01%	0.00%
2009	0.01	0.01%	0.00%
2010	0.01	0.01%	0.00%
2011	0.01	0.01%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)



Greenland: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Nuuk	1,822	0.00	28.57	0.00	0.00
Holsteinsborg	1,933	0.00	11.90	0.00	0.00
Jakobshavn	1,969	0.00	9.52	0.00	0.00
Julianehab	1,997	0.00	7.14	0.00	0.00
Sukkertoppen	1,998	0.00	7.14	0.00	0.00
Egedesminde	1,999	0.00	7.14	0.00	0.00
Christianshab	2,023	0.00	4.76	0.00	0.00
Frederikshab	2,024	0.00	4.76	0.00	0.00
Narsarsuaq	2,025	0.00	4.76	0.00	0.00
Ammassalik	2,050	0.00	2.38	0.00	0.00
Nanortalik	2,051	0.00	2.38	0.00	0.00
Uppernavik	2,052	0.00	2.38	0.00	0.00
Godhavn	2,053	0.00	2.38	0.00	0.00
Thule	2,054	0.00	2.38	0.00	0.00
Scoresbysund	2,055	0.00	2.38	0.00	0.00
<b>Total</b>		<b>0.01</b>	<b>100.00</b>	<b>0.01</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### 7.14 GRENADA

Year	Aluminum (US \$ mln): Grenada 2001 - 2011		
	Grenada	% of Region	% of Globe
2001	0.00	0.00%	0.00%
2002	0.00	0.00%	0.00%
2003	0.00	0.00%	0.00%
2004	0.00	0.00%	0.00%
2005	0.00	0.00%	0.00%
2006	0.00	0.00%	0.00%
2007	0.00	0.00%	0.00%
2008	0.00	0.00%	0.00%
2009	0.00	0.00%	0.00%
2010	0.00	0.00%	0.00%
2011	0.00	0.00%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Grenada: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Saint George's	1,813	0.00	80.00	0.00	0.00
Gouyave	1,993	0.00	20.00	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.00</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 7.15 GUADELOUPE

Year	Aluminum (US \$ mln): Guadeloupe 2001 - 2011		% of Globe
	Guadeloupe	% of Region	
2001	0.02	0.04%	0.01%
2002	0.02	0.04%	0.01%
2003	0.02	0.04%	0.01%
2004	0.02	0.03%	0.01%
2005	0.02	0.03%	0.01%
2006	0.02	0.03%	0.01%
2007	0.02	0.03%	0.01%
2008	0.02	0.03%	0.01%
2009	0.02	0.03%	0.01%
2010	0.02	0.03%	0.01%
2011	0.02	0.03%	0.01%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Guadeloupe: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Les Abymes	1,516	0.01	29.44	0.01	0.00
Pointe-a-Pitre	1,751	0.00	12.15	0.00	0.00
Le Gosier	1,791	0.00	9.81	0.00	0.00
Moule	1,825	0.00	8.41	0.00	0.00
Sainte Anne	1,836	0.00	7.94	0.00	0.00
Morne-a-l'Eau	1,847	0.00	7.48	0.00	0.00
Petit Bourg	1,855	0.00	7.01	0.00	0.00
Sainte Rose	1,864	0.00	6.54	0.00	0.00
Basse-Terre	1,865	0.00	6.54	0.00	0.00
Saint-Claude	1,907	0.00	4.67	0.00	0.00
<b>Total</b>		<b>0.02</b>	<b>100.00</b>	<b>0.03</b>	<b>0.01</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 7.16 HAITI

Year	Aluminum (US \$ mln): Haiti 2001 - 2011		% of Globe
	Haiti	% of Region	
2001	0.06	0.13%	0.03%
2002	0.07	0.13%	0.03%
2003	0.07	0.12%	0.03%
2004	0.07	0.12%	0.03%
2005	0.07	0.12%	0.03%
2006	0.07	0.11%	0.03%
2007	0.07	0.11%	0.03%
2008	0.08	0.11%	0.03%
2009	0.08	0.11%	0.03%
2010	0.08	0.11%	0.03%
2011	0.08	0.10%	0.03%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Haiti: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Port-au-Prince	646	0.05	70.39	0.08	0.02
Cap-Haitien	1,457	0.01	10.12	0.01	0.00
Petionville	1,639	0.00	5.51	0.01	0.00
Gonaives	1,646	0.00	5.36	0.01	0.00
Les Cayes	1,647	0.00	5.36	0.01	0.00
Port-de-Paix	1,769	0.00	3.27	0.00	0.00
<b>Total</b>		<b>0.07</b>	<b>100.00</b>	<b>0.11</b>	<b>0.03</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 7.17 JAMAICA

Aluminum (US \$ mln): Jamaica 2001 - 2011			
Year	Jamaica	% of Region	% of Globe
2001	0.05	0.10%	0.02%
2002	0.05	0.09%	0.02%
2003	0.05	0.09%	0.02%
2004	0.05	0.09%	0.02%
2005	0.05	0.09%	0.02%
2006	0.05	0.09%	0.02%
2007	0.06	0.08%	0.02%
2008	0.06	0.08%	0.02%
2009	0.06	0.08%	0.02%
2010	0.06	0.08%	0.02%
2011	0.06	0.08%	0.02%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Jamaica: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Kingston	766	0.04	67.83	0.06	0.02
Spanish Town	1,510	0.01	11.50	0.01	0.00
Montego Bay	1,576	0.00	9.04	0.01	0.00
May Pen	1,729	0.00	5.30	0.00	0.00
Mandeville	1,755	0.00	4.52	0.00	0.00
Savanna-la-Mar	1,903	0.00	1.81	0.00	0.00
<b>Total</b>		<b>0.05</b>	<b>100.00</b>	<b>0.09</b>	<b>0.02</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 7.18 MARTINIQUE

Year	Aluminum (US \$ mln): Martinique 2001 - 2011		% of Globe
	Martinique	% of Region	
2001	0.02	0.04%	0.01%
2002	0.02	0.04%	0.01%
2003	0.02	0.04%	0.01%
2004	0.02	0.04%	0.01%
2005	0.02	0.04%	0.01%
2006	0.02	0.04%	0.01%
2007	0.03	0.04%	0.01%
2008	0.03	0.04%	0.01%
2009	0.03	0.04%	0.01%
2010	0.03	0.04%	0.01%
2011	0.03	0.03%	0.01%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Martinique: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Fort-de-France	1,211	0.01	53.66	0.02	0.01
Le Lamentin	1,693	0.00	13.17	0.01	0.00
Sainte Marie	1,781	0.00	8.78	0.00	0.00
Schoelcher	1,804	0.00	7.80	0.00	0.00
Le François	1,829	0.00	6.83	0.00	0.00
La Trinité	1,882	0.00	4.88	0.00	0.00
Ducos	1,966	0.00	2.44	0.00	0.00
Saint Pierre	1,967	0.00	2.44	0.00	0.00
<b>Total</b>		<b>0.02</b>	<b>100.00</b>	<b>0.04</b>	<b>0.01</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 7.19 NETHERLANDS ANTILLES

Year	Aluminum (US \$ mln): Netherlands Antilles 2001 - 2011		% of Globe
	Netherlands Antilles	% of Region	
2001	0.01	0.02%	0.00%
2002	0.01	0.02%	0.01%
2003	0.01	0.02%	0.01%
2004	0.01	0.02%	0.01%
2005	0.01	0.02%	0.01%
2006	0.01	0.02%	0.01%
2007	0.01	0.02%	0.01%
2008	0.01	0.02%	0.01%
2009	0.01	0.02%	0.00%
2010	0.01	0.02%	0.00%
2011	0.01	0.02%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Netherlands Antilles: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Willemstad	1,238	0.01	94.70	0.02	0.01
Philipsburg	1,964	0.00	4.55	0.00	0.00
Kralendijk	2,064	0.00	0.76	0.00	0.00
<b>Total</b>		<b>0.01</b>	<b>100.00</b>	<b>0.02</b>	<b>0.01</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 7.20 PUERTO RICO

Aluminum (US \$ mln): Puerto Rico 2001 - 2011			
Year	Puerto Rico	% of Region	% of Globe
2001	0.20	0.41%	0.09%
2002	0.21	0.40%	0.09%
2003	0.21	0.38%	0.09%
2004	0.21	0.37%	0.09%
2005	0.21	0.36%	0.09%
2006	0.22	0.35%	0.09%
2007	0.23	0.35%	0.09%
2008	0.24	0.35%	0.09%
2009	0.25	0.34%	0.09%
2010	0.26	0.34%	0.09%
2011	0.27	0.34%	0.09%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Puerto Rico: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
San Juan	639	0.05	22.99	0.08	0.02
Bayamon	893	0.03	12.29	0.04	0.01
Ponce	992	0.02	10.07	0.04	0.01
Carolina	996	0.02	9.99	0.04	0.01
Caguas	1,103	0.02	7.43	0.03	0.01
Guaynabo	1,247	0.01	5.56	0.02	0.01
Mayaguez	1,266	0.01	5.35	0.02	0.00
Arecibo	1,267	0.01	5.34	0.02	0.00
Toa Baja	1,303	0.01	4.91	0.02	0.00
Trujillo Alto	1,400	0.01	3.96	0.01	0.00
Aguadilla	1,443	0.01	3.46	0.01	0.00
Cayey	1,524	0.01	2.69	0.01	0.00
Guayama	1,575	0.00	2.23	0.01	0.00
Fajardo	1,597	0.00	2.03	0.01	0.00
Catano	1,650	0.00	1.72	0.01	0.00
<b>Total</b>		<b>0.22</b>	<b>100.00</b>	<b>0.35</b>	<b>0.09</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 7.21 ST. KITTS AND NEVIS

Year	Aluminum (US \$ mln): St. Kitts and Nevis 2001 - 2011		% of Globe
	St. Kitts and Nevis	% of Region	
2001	0.00	0.00%	0.00%
2002	0.00	0.00%	0.00%
2003	0.00	0.00%	0.00%
2004	0.00	0.00%	0.00%
2005	0.00	0.00%	0.00%
2006	0.00	0.00%	0.00%
2007	0.00	0.00%	0.00%
2008	0.00	0.00%	0.00%
2009	0.00	0.00%	0.00%
2010	0.00	0.00%	0.00%
2011	0.00	0.00%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	St. Kitts and Nevis: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Basseterre	1,851	0.00	95.00	0.00	0.00
Charlestown	2,068	0.00	5.00	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.00</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 7.22 ST. LUCIA

Year	Aluminum (US \$ mln): St. Lucia 2001 - 2011		% of Globe
	St. Lucia	% of Region	
2001	0.00	0.01%	0.00%
2002	0.00	0.01%	0.00%
2003	0.00	0.01%	0.00%
2004	0.00	0.01%	0.00%
2005	0.00	0.01%	0.00%
2006	0.00	0.01%	0.00%
2007	0.00	0.01%	0.00%
2008	0.00	0.01%	0.00%
2009	0.00	0.01%	0.00%
2010	0.00	0.01%	0.00%
2011	0.00	0.01%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>St. Lucia: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Castries	1,690	0.00	82.81	0.01	0.00
Vieux Fort	1,943	0.00	17.19	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.01</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

### 7.23 ST. VINCENT AND THE GRENADINES

<b>Aluminum (US \$ mln): St. Vincent and the Grenadines 2001 - 2011</b>			
<b>Year</b>	<b>St. Vincent and the Grenadines</b>	<b>% of Region</b>	<b>% of Globe</b>
2001	0.00	0.00%	0.00%
2002	0.00	0.00%	0.00%
2003	0.00	0.00%	0.00%
2004	0.00	0.00%	0.00%
2005	0.00	0.00%	0.00%
2006	0.00	0.00%	0.00%
2007	0.00	0.00%	0.00%
2008	0.00	0.00%	0.00%
2009	0.00	0.00%	0.00%
2010	0.00	0.00%	0.00%
2011	0.00	0.00%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

<b>St. Vincent and the Grenadines: Aluminum in 2006, US \$ mln</b>					
<b>City</b>	<b>World Rank</b>	<b>US \$ mln</b>	<b>%Country</b>	<b>%Region</b>	<b>%World</b>
Kingstown	1,826	0.00	95.00	0.00	0.00
Georgetown	2,065	0.00	5.00	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.00</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 7.24 TRINIDAD AND TOBAGO

Year	Aluminum (US \$ mln): Trinidad and Tobago 2001 - 2011		
	Trinidad and Tobago	% of Region	% of Globe
2001	0.06	0.12%	0.03%
2002	0.06	0.12%	0.03%
2003	0.06	0.11%	0.03%
2004	0.06	0.11%	0.03%
2005	0.06	0.10%	0.03%
2006	0.06	0.10%	0.03%
2007	0.07	0.10%	0.03%
2008	0.07	0.10%	0.03%
2009	0.07	0.10%	0.03%
2010	0.08	0.10%	0.03%
2011	0.08	0.10%	0.03%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Trinidad and Tobago: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Port-of-Spain	856	0.03	45.67	0.05	0.01
San Fernando	1,085	0.02	26.77	0.03	0.01
Arima	1,162	0.01	22.83	0.02	0.01
Scarborough	1,716	0.00	4.72	0.00	0.00
<b>Total</b>		<b>0.06</b>	<b>100.00</b>	<b>0.10</b>	<b>0.03</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 7.25 UNITED STATES

Year	Aluminum (US \$ mln): United States 2001 - 2011		
	United States	% of Region	% of Globe
2001	44.65	89.74%	20.12%
2002	46.99	90.17%	20.93%
2003	49.35	90.58%	21.74%
2004	51.82	90.97%	22.58%
2005	54.41	91.30%	23.32%
2006	57.13	91.36%	23.46%
2007	59.98	91.39%	23.49%
2008	62.98	91.42%	23.51%
2009	66.13	91.44%	23.54%
2010	69.44	91.47%	23.56%
2011	72.91	91.49%	23.58%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)



City	United States: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
New York	1	13.00	22.75	20.78	5.34
Los Angeles	3	4.70	8.23	7.52	1.93
Chicago	4	4.32	7.57	6.92	1.78
Houston	10	2.52	4.41	4.03	1.03
Philadelphia	13	2.23	3.91	3.57	0.92
Dallas	20	1.59	2.79	2.55	0.65
San Jose	21	1.58	2.76	2.52	0.65
San Francisco	23	1.55	2.71	2.48	0.64
San Diego	24	1.51	2.64	2.41	0.62
Detroit	27	1.45	2.53	2.31	0.59
Phoenix	28	1.44	2.52	2.30	0.59
San Antonio	34	1.20	2.11	1.92	0.49
Indianapolis	40	1.03	1.80	1.64	0.42
Baltimore	49	0.96	1.68	1.53	0.39
Washington D.C.	50	0.93	1.63	1.49	0.38
Others		17.12	29.97	27.38	7.03
<b>Total</b>		<b>57.13</b>	<b>100.00</b>	<b>91.36</b>	<b>23.46</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### 7.26 VIRGIN ISLANDS, US

Year	Aluminum (US \$ mln): Virgin Islands, US 2001 - 2011		
	Virgin Islands, US	% of Region	% of Globe
2001	0.01	0.02%	0.00%
2002	0.01	0.02%	0.00%
2003	0.01	0.02%	0.00%
2004	0.01	0.02%	0.00%
2005	0.01	0.02%	0.00%
2006	0.01	0.02%	0.00%
2007	0.01	0.02%	0.00%
2008	0.01	0.02%	0.00%
2009	0.01	0.01%	0.00%
2010	0.01	0.01%	0.00%
2011	0.01	0.01%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Virgin Islands, US: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Charlotte Amalie	1,535	0.01	57.58	0.01	0.00
Frederiksted	1,878	0.00	12.12	0.00	0.00
Road Town	1,879	0.00	12.12	0.00	0.00
Christiansted	1,912	0.00	9.09	0.00	0.00
Cruz Bay	1,961	0.00	6.06	0.00	0.00
Spanish Town	2,021	0.00	3.03	0.00	0.00
<b>Total</b>		<b>0.01</b>	<b>100.00</b>	<b>0.02</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 8 OCEANA

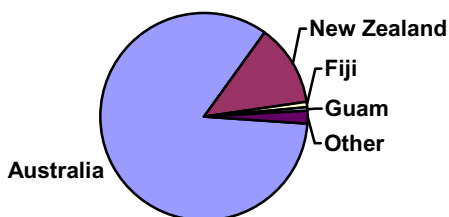
### 8.1 EXECUTIVE SUMMARY

#### Market Potential for Aluminum in Oceana (US \$ mln): 2006

Country	Latent Demand US \$ mln	% of Oceana
Australia	2.55	83.89%
New Zealand	0.39	12.65%
Fiji	0.03	1.04%
Guam	0.02	0.59%
New Caledonia	0.02	0.56%
French Polynesia	0.01	0.48%
Solomon Islands	0.01	0.17%
Northern Mariana Island	0.01	0.17%
Western Samoa	0.00	0.11%
American Samoa	0.00	0.09%
Micronesia Federation	0.00	0.05%
Vanuatu	0.00	0.04%
Tonga	0.00	0.04%
Palau	0.00	0.02%
Marshall Islands	0.00	0.02%
Cook Islands	0.00	0.02%
Kiribati	0.00	0.01%
Nauru	0.00	0.01%
Norfolk Island	0.00	0.01%
Christmas Island	0.00	0.01%
Wallis and Futuna	0.00	0.01%
Tuvalu	0.00	0.00%
Niue	0.00	0.00%
Tokelau	0.00	0.00%
Cocos (Keeling) Island	0.00	0.00%
Other	0.00	0.00%
<b>Total</b>	<b>3.04</b>	<b>100.00%</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### Market Potential for Aluminum in Oceana (US \$ mln): 2006



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**The Market for Aluminum in Oceana: 2001 - 2011**

Year	US \$ mln	% of Globe
2001	2.88	1.30
2002	2.89	1.29
2003	2.89	1.28
2004	2.90	1.26
2005	2.92	1.25
2006	3.04	1.25
2007	3.18	1.25
2008	3.33	1.24
2009	3.49	1.24
2010	3.65	1.24
2011	3.83	1.24

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

**8.2 AMERICAN SAMOA**
**Aluminum (US \$ mln): American Samoa 2001 - 2011**

Year	American Samoa	% of Region	% of Globe
2001	0.00	0.09%	0.00%
2002	0.00	0.09%	0.00%
2003	0.00	0.09%	0.00%
2004	0.00	0.09%	0.00%
2005	0.00	0.09%	0.00%
2006	0.00	0.09%	0.00%
2007	0.00	0.09%	0.00%
2008	0.00	0.09%	0.00%
2009	0.00	0.09%	0.00%
2010	0.00	0.08%	0.00%
2011	0.00	0.08%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

**American Samoa: Aluminum in 2006, US \$ mln**

City	World Rank	US \$ mln	%Country	%Region	%World
Pago Pago	1,911	0.00	33.33	0.03	0.00
Leone	1,958	0.00	22.22	0.02	0.00
Fagatogo	1,959	0.00	22.22	0.02	0.00
Vaitogi	2,018	0.00	11.11	0.01	0.00
Utulei	2,019	0.00	11.11	0.01	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.09</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 8.3 AUSTRALIA

Year	Aluminum (US \$ mln): Australia 2001 - 2011		% of Globe
	Australia	% of Region	
2001	2.43	84.32%	1.09%
2002	2.43	84.18%	1.08%
2003	2.43	84.04%	1.07%
2004	2.43	83.90%	1.06%
2005	2.45	83.79%	1.05%
2006	2.55	83.89%	1.05%
2007	2.68	84.03%	1.05%
2008	2.81	84.16%	1.05%
2009	2.94	84.29%	1.05%
2010	3.08	84.42%	1.05%
2011	3.23	84.55%	1.05%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Australia: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Sydney	65	0.75	29.32	24.59	0.31
Melbourne	67	0.74	28.92	24.26	0.30
Brisbane	122	0.47	18.26	15.32	0.19
Perth	191	0.24	9.21	7.73	0.10
Adelaide	316	0.12	4.70	3.94	0.05
Canberra	444	0.08	3.15	2.65	0.03
Newcastle	751	0.04	1.49	1.25	0.02
Gold Coast	754	0.04	1.49	1.25	0.02
Hobart	906	0.03	1.03	0.87	0.01
Wollongong	1,055	0.02	0.73	0.61	0.01
Townsville	1,093	0.02	0.66	0.55	0.01
Darwin	1,179	0.01	0.55	0.46	0.01
Geelong	1,243	0.01	0.49	0.41	0.01
<b>Total</b>		<b>2.55</b>	<b>100.00</b>	<b>83.89</b>	<b>1.05</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 8.4 CHRISTMAS ISLAND

Year	Aluminum (US \$ mln): Christmas Island 2001 - 2011		% of Globe
	Christmas Island	% of Region	
2001	0.00	0.01%	0.00%
2002	0.00	0.01%	0.00%
2003	0.00	0.01%	0.00%
2004	0.00	0.01%	0.00%
2005	0.00	0.01%	0.00%
2006	0.00	0.01%	0.00%
2007	0.00	0.01%	0.00%
2008	0.00	0.01%	0.00%
2009	0.00	0.01%	0.00%
2010	0.00	0.01%	0.00%
2011	0.00	0.01%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Christmas Island: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
The settlement	2,038	0.00	100.00	0.01	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.01</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 8.5 COOK ISLANDS

Year	Aluminum (US \$ mln): Cook Islands 2001 - 2011		% of Globe
	Cook Islands	% of Region	
2001	0.00	0.02%	0.00%
2002	0.00	0.02%	0.00%
2003	0.00	0.02%	0.00%
2004	0.00	0.02%	0.00%
2005	0.00	0.02%	0.00%
2006	0.00	0.02%	0.00%
2007	0.00	0.02%	0.00%
2008	0.00	0.02%	0.00%
2009	0.00	0.02%	0.00%
2010	0.00	0.02%	0.00%
2011	0.00	0.02%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Cook Islands: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Avarua	1,977	0.00	100.00	0.02	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.02</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 8.6 FIJI

Year	Aluminum (US \$ mln): Fiji 2001 - 2011		% of Globe
	Fiji	% of Region	
2001	0.02	0.86%	0.01%
2002	0.03	0.92%	0.01%
2003	0.03	0.98%	0.01%
2004	0.03	1.04%	0.01%
2005	0.03	1.09%	0.01%
2006	0.03	1.04%	0.01%
2007	0.03	0.98%	0.01%
2008	0.03	0.92%	0.01%
2009	0.03	0.87%	0.01%
2010	0.03	0.82%	0.01%
2011	0.03	0.77%	0.01%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Fiji: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Suva	867	0.03	90.91	0.95	0.01
Nadi	1,727	0.00	9.09	0.09	0.00
<b>Total</b>		<b>0.03</b>	<b>100.00</b>	<b>1.04</b>	<b>0.01</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 8.7 FRENCH POLYNESIA

Year	Aluminum (US \$ mln): French Polynesia 2001 - 2011		% of Globe
	French Polynesia	% of Region	
2001	0.01	0.47%	0.01%
2002	0.01	0.47%	0.01%
2003	0.01	0.48%	0.01%
2004	0.01	0.48%	0.01%
2005	0.01	0.49%	0.01%
2006	0.01	0.48%	0.01%
2007	0.02	0.48%	0.01%
2008	0.02	0.48%	0.01%
2009	0.02	0.47%	0.01%
2010	0.02	0.47%	0.01%
2011	0.02	0.46%	0.01%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

French Polynesia: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Papeete	1,440	0.01	52.17	0.25	0.00
Mahina	1,695	0.00	21.74	0.11	0.00
Papara	1,803	0.00	13.04	0.06	0.00
Mataiea	1,908	0.00	6.52	0.03	0.00
Afareaitu	1,952	0.00	4.35	0.02	0.00
Teahupoo	2,014	0.00	2.17	0.01	0.00
<b>Total</b>		<b>0.01</b>	<b>100.00</b>	<b>0.48</b>	<b>0.01</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 8.8 GUAM

Aluminum (US \$ mln): Guam 2001 - 2011			
Year	Guam	% of Region	% of Globe
2001	0.02	0.55%	0.01%
2002	0.02	0.56%	0.01%
2003	0.02	0.58%	0.01%
2004	0.02	0.59%	0.01%
2005	0.02	0.60%	0.01%
2006	0.02	0.59%	0.01%
2007	0.02	0.58%	0.01%
2008	0.02	0.56%	0.01%
2009	0.02	0.55%	0.01%
2010	0.02	0.54%	0.01%
2011	0.02	0.53%	0.01%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Guam: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Dededo	1,388	0.01	49.80	0.29	0.00
Tamuning	1,589	0.00	26.17	0.15	0.00
Santa Rita	1,684	0.00	18.61	0.11	0.00
Talofofo	1,950	0.00	3.63	0.02	0.00
Agana	2,015	0.00	1.79	0.01	0.00
<b>Total</b>		<b>0.02</b>	<b>100.00</b>	<b>0.59</b>	<b>0.01</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)



## 8.9 KIRIBATI

Year	Aluminum (US \$ mln): Kiribati 2001 - 2011		% of Globe
	Kiribati	% of Region	
2001	0.00	0.01%	0.00%
2002	0.00	0.01%	0.00%
2003	0.00	0.01%	0.00%
2004	0.00	0.01%	0.00%
2005	0.00	0.01%	0.00%
2006	0.00	0.01%	0.00%
2007	0.00	0.01%	0.00%
2008	0.00	0.01%	0.00%
2009	0.00	0.01%	0.00%
2010	0.00	0.01%	0.00%
2011	0.00	0.01%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Kiribati: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Tarawa	2,001	0.00	100.00	0.01	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.01</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 8.10 MARSHALL ISLANDS

Year	Aluminum (US \$ mln): Marshall Islands 2001 - 2011		% of Globe
	Marshall Islands	% of Region	
2001	0.00	0.02%	0.00%
2002	0.00	0.02%	0.00%
2003	0.00	0.02%	0.00%
2004	0.00	0.02%	0.00%
2005	0.00	0.02%	0.00%
2006	0.00	0.02%	0.00%
2007	0.00	0.02%	0.00%
2008	0.00	0.02%	0.00%
2009	0.00	0.02%	0.00%
2010	0.00	0.02%	0.00%
2011	0.00	0.01%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Marshall Islands: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Majuro	1,971	0.00	100.00	0.02	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.02</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 8.11 MICRONESIA FEDERATION

Year	Aluminum (US \$ mln): Micronesia Federation 2001 - 2011		
	Micronesia Federation	% of Region	% of Globe
2001	0.00	0.05%	0.00%
2002	0.00	0.05%	0.00%
2003	0.00	0.05%	0.00%
2004	0.00	0.05%	0.00%
2005	0.00	0.05%	0.00%
2006	0.00	0.05%	0.00%
2007	0.00	0.05%	0.00%
2008	0.00	0.05%	0.00%
2009	0.00	0.05%	0.00%
2010	0.00	0.04%	0.00%
2011	0.00	0.04%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Micronesia Federation: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Palikir	1,852	0.00	100.00	0.05	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.05</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 8.12 NAURU

Year	Aluminum (US \$ mln): Nauru 2001 - 2011		
	Nauru	% of Region	% of Globe
2001	0.00	0.01%	0.00%
2002	0.00	0.01%	0.00%
2003	0.00	0.01%	0.00%
2004	0.00	0.01%	0.00%
2005	0.00	0.01%	0.00%
2006	0.00	0.01%	0.00%
2007	0.00	0.01%	0.00%
2008	0.00	0.01%	0.00%
2009	0.00	0.01%	0.00%
2010	0.00	0.01%	0.00%
2011	0.00	0.01%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Nauru: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Yaren	2,009	0.00	100.00	0.01	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.01</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 8.13 NEW CALEDONIA

Year	Aluminum (US \$ mln): New Caledonia 2001 - 2011		% of Globe
	New Caledonia	% of Region	
2001	0.02	0.55%	0.01%
2002	0.02	0.56%	0.01%
2003	0.02	0.56%	0.01%
2004	0.02	0.56%	0.01%
2005	0.02	0.56%	0.01%
2006	0.02	0.56%	0.01%
2007	0.02	0.56%	0.01%
2008	0.02	0.56%	0.01%
2009	0.02	0.55%	0.01%
2010	0.02	0.55%	0.01%
2011	0.02	0.55%	0.01%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	New Caledonia: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Noumea	1,215	0.01	76.74	0.43	0.01
Dumbea	1,886	0.00	6.98	0.04	0.00
Canala	1,928	0.00	4.65	0.03	0.00
Bourail	1,929	0.00	4.65	0.03	0.00
Thio	1,968	0.00	3.49	0.02	0.00
Hienghene	2,004	0.00	2.33	0.01	0.00
Houailu	2,040	0.00	1.16	0.01	0.00
<b>Total</b>		<b>0.02</b>	<b>100.00</b>	<b>0.56</b>	<b>0.01</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 8.14 NEW ZEALAND

Year	Aluminum (US \$ mln): New Zealand 2001 - 2011		% of Globe
	New Zealand	% of Region	
2001	0.36	12.51%	0.16%
2002	0.36	12.56%	0.16%
2003	0.36	12.60%	0.16%
2004	0.37	12.65%	0.16%
2005	0.37	12.69%	0.16%
2006	0.39	12.65%	0.16%
2007	0.40	12.61%	0.16%
2008	0.42	12.56%	0.16%
2009	0.44	12.52%	0.16%
2010	0.46	12.47%	0.15%
2011	0.48	12.42%	0.15%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

New Zealand: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Auckland	265	0.15	38.01	4.81	0.06
Wellington	656	0.05	12.80	1.62	0.02
Christchurch	662	0.05	12.46	1.58	0.02
Hamilton	971	0.02	6.06	0.77	0.01
Napier-Hastings	1,098	0.02	4.32	0.55	0.01
Dunedin	1,106	0.02	4.25	0.54	0.01
Waitemata	1,151	0.01	3.87	0.49	0.01
Tauranga	1,252	0.01	3.15	0.40	0.00
Palmerston North	1,302	0.01	2.83	0.36	0.00
Rotorua	1,431	0.01	2.03	0.26	0.00
Nelson	1,449	0.01	1.94	0.25	0.00
Invercargill	1,456	0.01	1.89	0.24	0.00
New Plymouth	1,461	0.01	1.87	0.24	0.00
Whangarei	1,497	0.01	1.69	0.21	0.00
Wanganui	1,519	0.01	1.57	0.20	0.00
Others		0.00	1.25	0.16	0.00
<b>Total</b>		<b>0.39</b>	<b>100.00</b>	<b>12.65</b>	<b>0.16</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

#### 8.15 NIUE

Aluminum (US \$ mln): Niue 2001 - 2011			
Year	Niue	% of Region	% of Globe
2001	0.00	0.00%	0.00%
2002	0.00	0.00%	0.00%
2003	0.00	0.00%	0.00%
2004	0.00	0.00%	0.00%
2005	0.00	0.00%	0.00%
2006	0.00	0.00%	0.00%
2007	0.00	0.00%	0.00%
2008	0.00	0.00%	0.00%
2009	0.00	0.00%	0.00%
2010	0.00	0.00%	0.00%
2011	0.00	0.00%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

Niue: Aluminum in 2006, US \$ mln					
City	World Rank	US \$ mln	%Country	%Region	%World
Alofi	2,076	0.00	100.00	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.00</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 8.16 NORFOLK ISLAND

Year	Aluminum (US \$ mln): Norfolk Island 2001 - 2011		
	Norfolk Island	% of Region	% of Globe
2001	0.00	0.01%	0.00%
2002	0.00	0.01%	0.00%
2003	0.00	0.01%	0.00%
2004	0.00	0.01%	0.00%
2005	0.00	0.01%	0.00%
2006	0.00	0.01%	0.00%
2007	0.00	0.01%	0.00%
2008	0.00	0.01%	0.00%
2009	0.00	0.01%	0.00%
2010	0.00	0.01%	0.00%
2011	0.00	0.01%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Norfolk Island: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Kingston	2,031	0.00	100.00	0.01	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.01</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 8.17 NORTHERN MARIANA ISLAND

Year	Aluminum (US \$ mln): Northern Mariana Island 2001 - 2011		
	Northern Mariana Island	% of Region	% of Globe
2001	0.00	0.15%	0.00%
2002	0.00	0.16%	0.00%
2003	0.00	0.16%	0.00%
2004	0.00	0.17%	0.00%
2005	0.00	0.17%	0.00%
2006	0.01	0.17%	0.00%
2007	0.01	0.16%	0.00%
2008	0.01	0.16%	0.00%
2009	0.01	0.16%	0.00%
2010	0.01	0.15%	0.00%
2011	0.01	0.15%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Northern Mariana Island: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Saipan	1,571	0.01	100.00	0.17	0.00
<b>Total</b>		<b>0.01</b>	<b>100.00</b>	<b>0.17</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 8.18 PALAU

Year	Aluminum (US \$ mln): Palau 2001 - 2011		
	Palau	% of Region	% of Globe
2001	0.00	0.02%	0.00%
2002	0.00	0.02%	0.00%
2003	0.00	0.02%	0.00%
2004	0.00	0.02%	0.00%
2005	0.00	0.02%	0.00%
2006	0.00	0.02%	0.00%
2007	0.00	0.02%	0.00%
2008	0.00	0.02%	0.00%
2009	0.00	0.02%	0.00%
2010	0.00	0.02%	0.00%
2011	0.00	0.02%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Palau: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Koror	1,937	0.00	100.00	0.02	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.02</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 8.19 SOLOMON ISLANDS

Year	Aluminum (US \$ mln): Solomon Islands 2001 - 2011		
	Solomon Islands	% of Region	% of Globe
2001	0.00	0.16%	0.00%
2002	0.00	0.16%	0.00%
2003	0.00	0.16%	0.00%
2004	0.00	0.17%	0.00%
2005	0.00	0.17%	0.00%
2006	0.01	0.17%	0.00%
2007	0.01	0.16%	0.00%
2008	0.01	0.16%	0.00%
2009	0.01	0.16%	0.00%
2010	0.01	0.16%	0.00%
2011	0.01	0.15%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Solomon Islands: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Honiara	1,570	0.01	100.00	0.17	0.00
<b>Total</b>		<b>0.01</b>	<b>100.00</b>	<b>0.17</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 8.20 TOKELAU

Year	Aluminum (US \$ mln): Tokelau 2001 - 2011		% of Globe
	Tokelau	% of Region	
2001	0.00	0.00%	0.00%
2002	0.00	0.00%	0.00%
2003	0.00	0.00%	0.00%
2004	0.00	0.00%	0.00%
2005	0.00	0.00%	0.00%
2006	0.00	0.00%	0.00%
2007	0.00	0.00%	0.00%
2008	0.00	0.00%	0.00%
2009	0.00	0.00%	0.00%
2010	0.00	0.00%	0.00%
2011	0.00	0.00%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Tokelau: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Tokelau	2,077	0.00	100.00	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.00</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 8.21 TONGA

Year	Aluminum (US \$ mln): Tonga 2001 - 2011		% of Globe
	Tonga	% of Region	
2001	0.00	0.04%	0.00%
2002	0.00	0.04%	0.00%
2003	0.00	0.04%	0.00%
2004	0.00	0.04%	0.00%
2005	0.00	0.04%	0.00%
2006	0.00	0.04%	0.00%
2007	0.00	0.04%	0.00%
2008	0.00	0.04%	0.00%
2009	0.00	0.04%	0.00%
2010	0.00	0.04%	0.00%
2011	0.00	0.04%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Tonga: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Nuku'alofa	1,872	0.00	100.00	0.04	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.04</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 8.22 TUVALU

Year	Aluminum (US \$ mln): Tuvalu 2001 - 2011		
	Tuvalu	% of Region	% of Globe
2001	0.00	0.00%	0.00%
2002	0.00	0.00%	0.00%
2003	0.00	0.00%	0.00%
2004	0.00	0.00%	0.00%
2005	0.00	0.00%	0.00%
2006	0.00	0.00%	0.00%
2007	0.00	0.00%	0.00%
2008	0.00	0.00%	0.00%
2009	0.00	0.00%	0.00%
2010	0.00	0.00%	0.00%
2011	0.00	0.00%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Tuvalu: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Funafuti	2,070	0.00	100.00	0.00	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.00</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 8.23 VANUATU

Year	Aluminum (US \$ mln): Vanuatu 2001 - 2011		
	Vanuatu	% of Region	% of Globe
2001	0.00	0.04%	0.00%
2002	0.00	0.04%	0.00%
2003	0.00	0.04%	0.00%
2004	0.00	0.04%	0.00%
2005	0.00	0.05%	0.00%
2006	0.00	0.04%	0.00%
2007	0.00	0.04%	0.00%
2008	0.00	0.04%	0.00%
2009	0.00	0.04%	0.00%
2010	0.00	0.04%	0.00%
2011	0.00	0.04%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Vanuatu: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Port Vila	1,867	0.00	100.00	0.04	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.04</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)



## 8.24 WALLIS AND FUTUNA

Year	Aluminum (US \$ mln): Wallis and Futuna 2001 - 2011		
	Wallis and Futuna	% of Region	% of Globe
2001	0.00	0.01%	0.00%
2002	0.00	0.01%	0.00%
2003	0.00	0.01%	0.00%
2004	0.00	0.01%	0.00%
2005	0.00	0.01%	0.00%
2006	0.00	0.01%	0.00%
2007	0.00	0.01%	0.00%
2008	0.00	0.01%	0.00%
2009	0.00	0.01%	0.00%
2010	0.00	0.01%	0.00%
2011	0.00	0.00%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Wallis and Futuna: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Mata-utu	2,047	0.00	100.00	0.01	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.01</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

## 8.25 WESTERN SAMOA

Year	Aluminum (US \$ mln): Western Samoa 2001 - 2011		
	Western Samoa	% of Region	% of Globe
2001	0.00	0.11%	0.00%
2002	0.00	0.11%	0.00%
2003	0.00	0.11%	0.00%
2004	0.00	0.11%	0.00%
2005	0.00	0.11%	0.00%
2006	0.00	0.11%	0.00%
2007	0.00	0.11%	0.00%
2008	0.00	0.11%	0.00%
2009	0.00	0.11%	0.00%
2010	0.00	0.11%	0.00%
2011	0.00	0.11%	0.00%

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)

City	Western Samoa: Aluminum in 2006, US \$ mln				
	World Rank	US \$ mln	%Country	%Region	%World
Apia	1,686	0.00	100.00	0.11	0.00
<b>Total</b>		<b>0.00</b>	<b>100.00</b>	<b>0.11</b>	<b>0.00</b>

Source: Philip M. Parker, INSEAD, copyright 2005, [www.icongrouponline.com](http://www.icongrouponline.com)



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