

World: Cobalt - Market Report. Analysis And Forecast To 2025





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B 1. INTRODUCTION

1.1 REPORT DESCRIPTION

This report has been designed to provide a detailed survey of the global cobalt market. It outlines the most recent data sets of quantitative medium-term prospects, as well as developments in production, trade, consumption and prices. The report also includes a comparative analysis of the largest consuming countries, revealing opportunities opened for producers and exporters across the world. The outlook exhibits market perspectives to 2025.

Countries coverage: Worldwide - the report contains statistical data for 200 countries and includes detailed profiles of the 50 largest consuming countries (United States, China, Japan, Germany, United Kingdom, France, Brazil, Italy, Russian Federation, India, Canada, Australia, Republic of Korea, Spain, Mexico, Indonesia, Netherlands, Turkey, Saudi Arabia, Switzerland, Sweden, Nigeria, Poland, Belgium, Argentina, Norway, Austria, Thailand, United Arab Emirates, Colombia, Denmark, South Africa, Malaysia, Israel, Singapore, Egypt, Philippines, Finland, Chile, Ireland, Pakistan, Greece, Portugal, Kazakhstan, Algeria, Czech Republic, Qatar, Peru, Romania, Vietnam) + the largest producing countries.

Product coverage: Cobalt, unwrought

Data coverage:

- Cobalt market size and volume;
- Cobalt market trends and prospects;
- Global cobalt production and its dynamics;
- Per capita consumption;
- Breakdown of production by region and country;
- Medium term outlook;
- Cobalt trade (exports/imports);
- Prices for cobalt;
- Profiles of the main manufacturers.

The report will help you:

- Get a bigger picture of the market;
- Rewire your business around market trends;
- Devise your marketing strategy;
- Operate with increased effectiveness.

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2. EXECUTIVE SUMMARY

2.1 KEY FINDINGS

Table 1: Key Findings

Findings in 2015

Market Volume	thousand tonnes	***
	% to 2014	***
Market Value	million USD	***
	% to 2014	***
Production	thousand tonnes	***
	% to 2014	***
	million USD	***
	% to 2014	***
Imports	thousand tonnes	***
	% to 2014	***
	million USD	***
	% to 2014	***
Exports	thousand tonnes	***
	% to 2014	***
	million USD	***
	% to 2014	***

Source: ***

2.2 MARKET TRENDS

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3. MARKET OVERVIEW

3.1 MARKET VOLUME AND VALUE

Table 2: Market Volume, in Physical Terms, 2007-2015
(thousand tonnes)

Product	Unit	2007	2008	2009	2010	2011	2012	2013	2014	2015	CAGR, 2007- 2015
Production	tonnes	***	***	***	***	***	***	***	***	***	***
	% to previous year	***	***	***	***	***	***	***	***	***	***
Imports	tonnes	***	***	***	***	***	***	***	***	***	***
	% to previous year	***	***	***	***	***	***	***	***	***	***
Exports	tonnes	***	***	***	***	***	***	***	***	***	***
	% to previous year	***	***	***	***	***	***	***	***	***	***
Market Volume	tonnes	***	***	***	***	***	***	***	***	***	***
	% to previous year	***	***	***	***	***	***	***	***	***	***

Source: ***

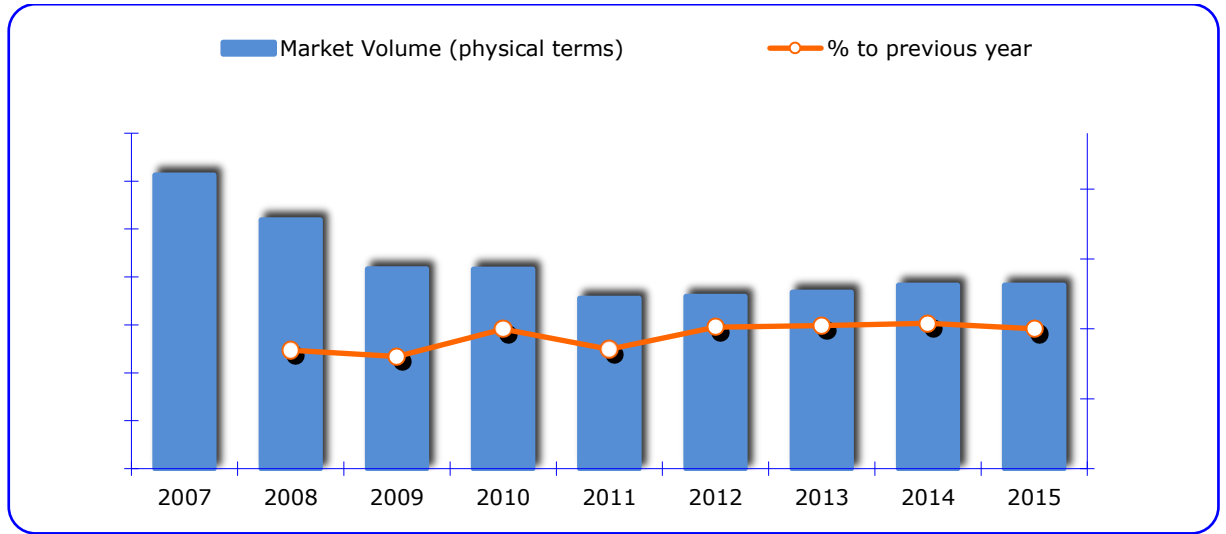
Table 3: Market Value, 2007-2015
(million USD)

Product	Unit	2007	2008	2009	2010	2011	2012	2013	2014	2015	CAGR, 2007- 2015
Production	USD	***	***	***	***	***	***	***	***	***	***
	% to previous year	***	***	***	***	***	***	***	***	***	***
Imports	USD	***	***	***	***	***	***	***	***	***	***
	% to previous year	***	***	***	***	***	***	***	***	***	***
Exports	USD	***	***	***	***	***	***	***	***	***	***
	% to previous year	***	***	***	***	***	***	***	***	***	***
Market Value	USD	***	***	***	***	***	***	***	***	***	***
	% to previous year	***	***	***	***	***	***	***	***	***	***

Source: ***

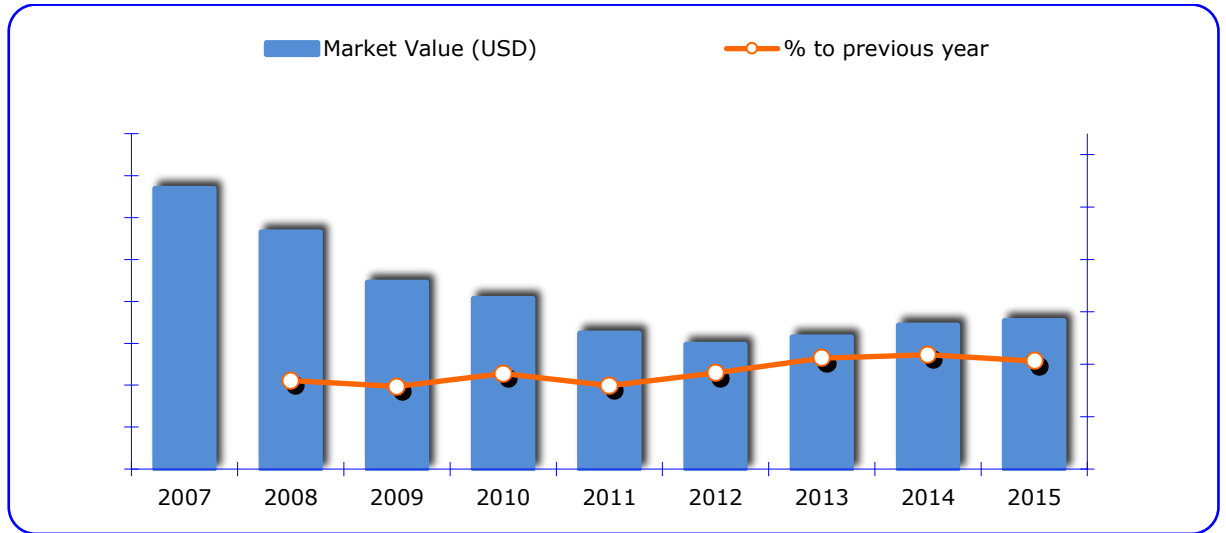
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Figure 1: Market Volume, in Physical Terms, 2007-2015
(thousand tonnes, y-o-y)



Source: ***

Figure 2: Market Value, 2007-2015
(million USD, y-o-y)



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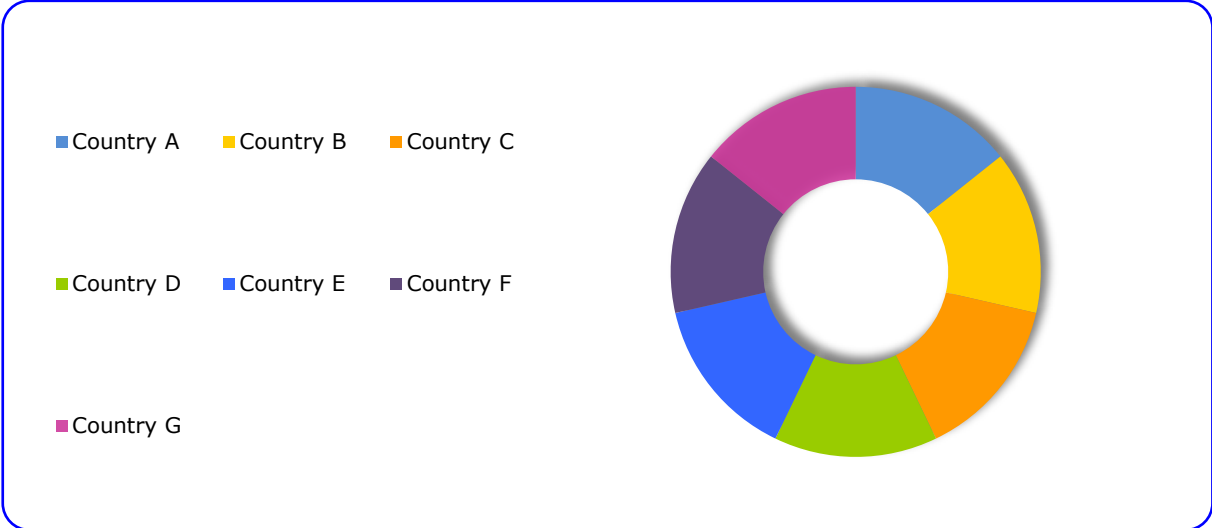
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3.2 CONSUMPTION BY COUNTRY

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Figure 3: Consumption, by Country, 2015
(based on tonnes)



Source: ***

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Table 4: Per Capita Consumption, by Country, 2013-2015
(thousand tonnes, kg/year)

Country	Consumption, thousand tonnes			Population, million persons			Per Capita Consumption, kg/year			CAGR, Per Capita 2007-2015
	2013	2014	2015	2013	2014	2015	2013	2014	2015	
Country A	***	***	***	***	***	***	***	***	***	***
Country B	***	***	***	***	***	***	***	***	***	***
Country C	***	***	***	***	***	***	***	***	***	***
Country D	***	***	***	***	***	***	***	***	***	***
Country E	***	***	***	***	***	***	***	***	***	***
Country F	***	***	***	***	***	***	***	***	***	***
Country G	***	***	***	***	***	***	***	***	***	***
Country H	***	***	***	***	***	***	***	***	***	***
Country I	***	***	***	***	***	***	***	***	***	***
Country J	***	***	***	***	***	***	***	***	***	***
Others	***	***	***	***	***	***	***	***	***	***
Total	***	***	***	***	***	***	***	***	***	***

Source: ***

3.3 MARKET OPPORTUNITIES BY COUNTRY

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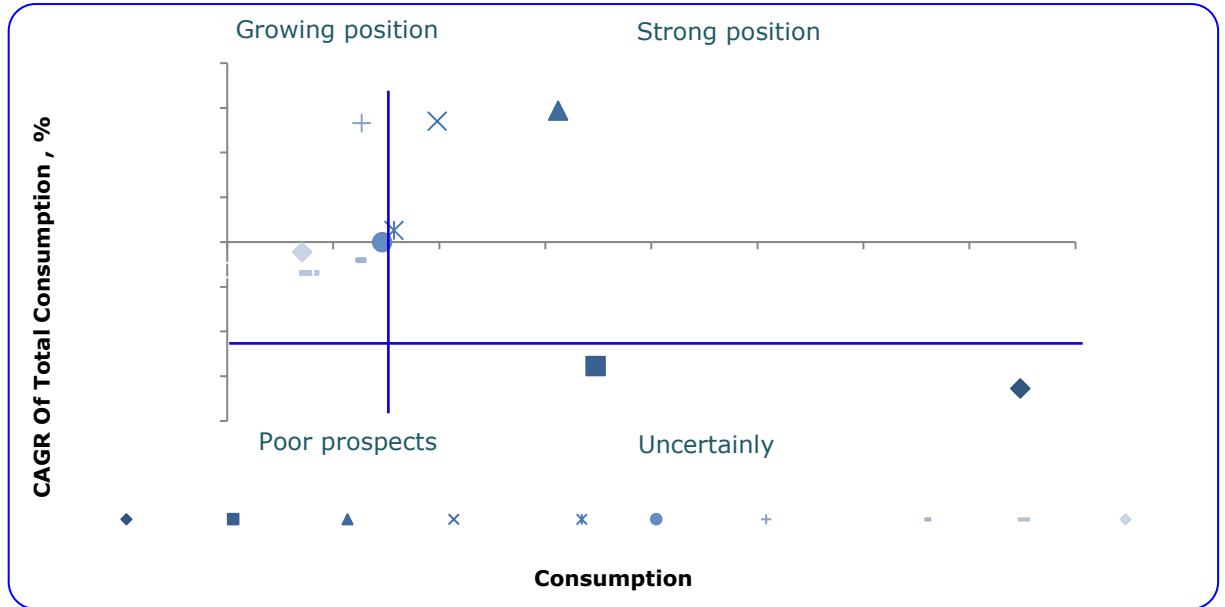
Table 5: Comparison of Consumption, Production and Imports, by Country, 2013-2015
(thousand tonnes)

Country	Total imports, thousand tonnes			Total exports, thousand tonnes			Total consumption, thousand tonnes			Share of import in total consumption	IB index
	2013	2014	2015	2013	2014	2015	2013	2014	2015	2015	2015
Country A	***	***	***	***	***	***	***	***	***	***	***
Country B	***	***	***	***	***	***	***	***	***	***	***
Country C	***	***	***	***	***	***	***	***	***	***	***
Country D	***	***	***	***	***	***	***	***	***	***	***
Country E	***	***	***	***	***	***	***	***	***	***	***
Country F	***	***	***	***	***	***	***	***	***	***	***
Country G	***	***	***	***	***	***	***	***	***	***	***
Country H	***	***	***	***	***	***	***	***	***	***	***
Country I	***	***	***	***	***	***	***	***	***	***	***
Country J	***	***	***	***	***	***	***	***	***	***	***
Others	***	***	***	***	***	***	***	***	***	***	***
Total	***	***	***	***	***	***	***	***	***	***	***

Source: ***

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Figure 4: Major and Fastest-Growing Markets, 2015

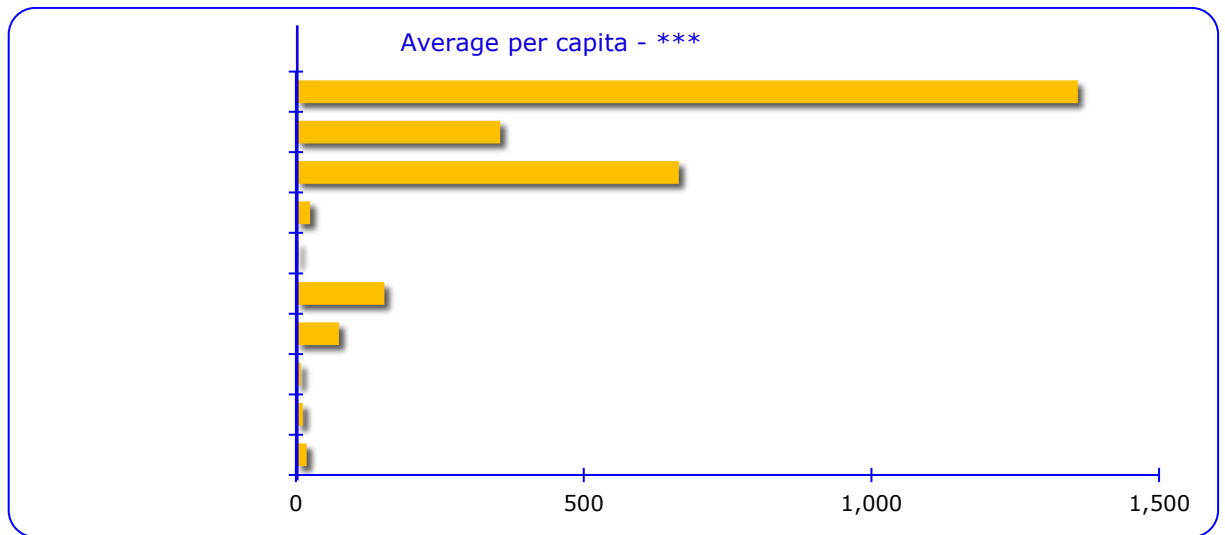


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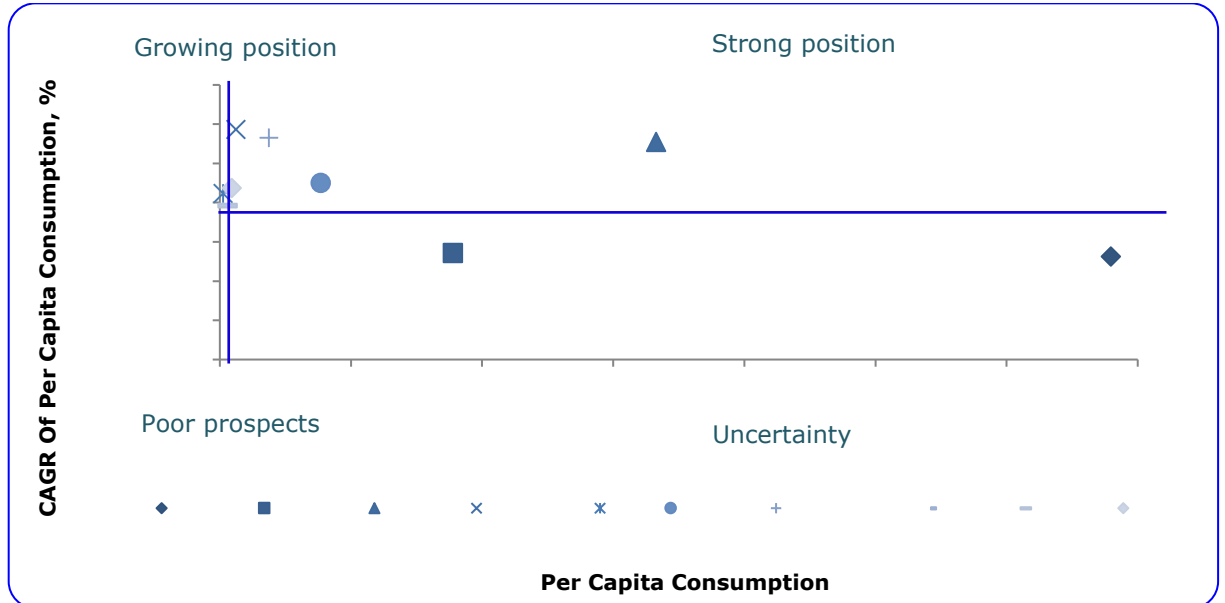
Figure 5: Per Capita Consumption, 2015 (kg/year)



Source: ***

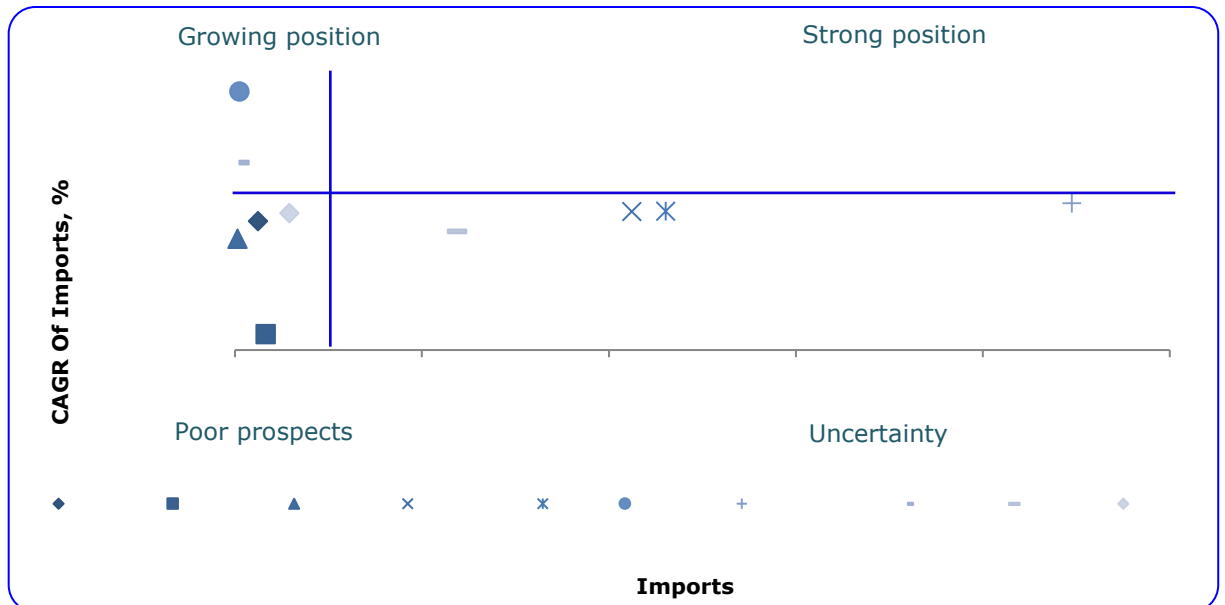
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Figure 6: Major and Fastest-Growing Markets: Per Capita Consumption, 2015



Source: ***.

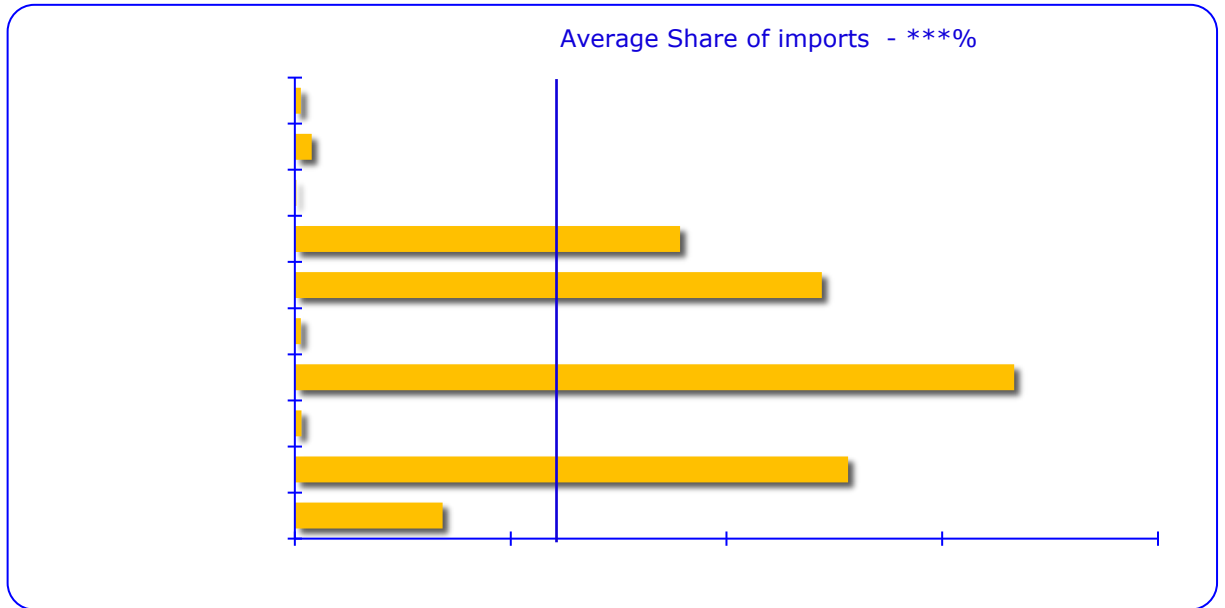
Figure 7: Major Importers, 2015



Source: ***

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Figure 8: Share of Imports in Total Consumption, 2015



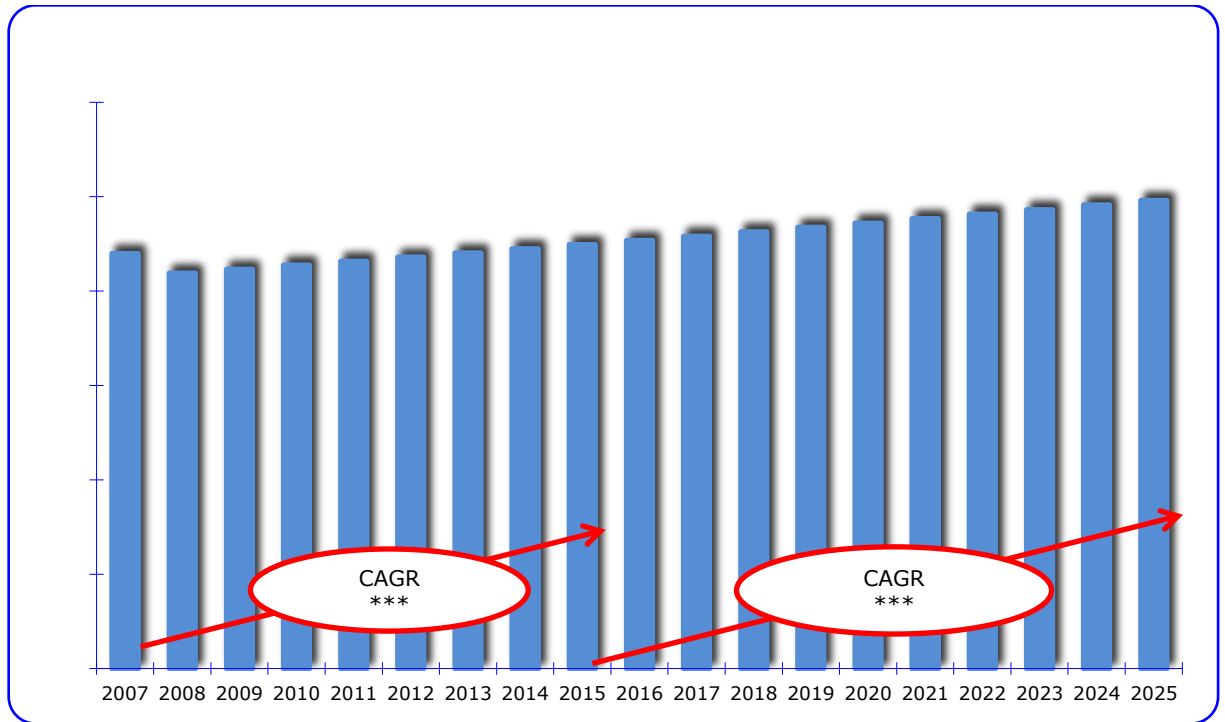
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3.4 MARKET FORECAST TO 2025

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Figure 9: Market Forecast to 2025

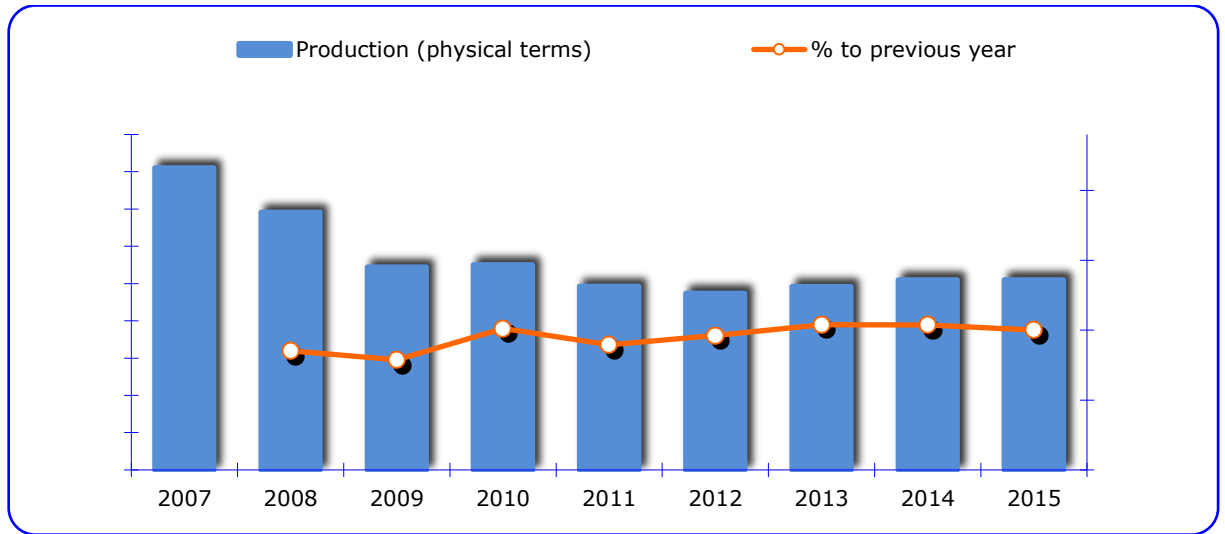


Source: ***

B 4. PRODUCTION

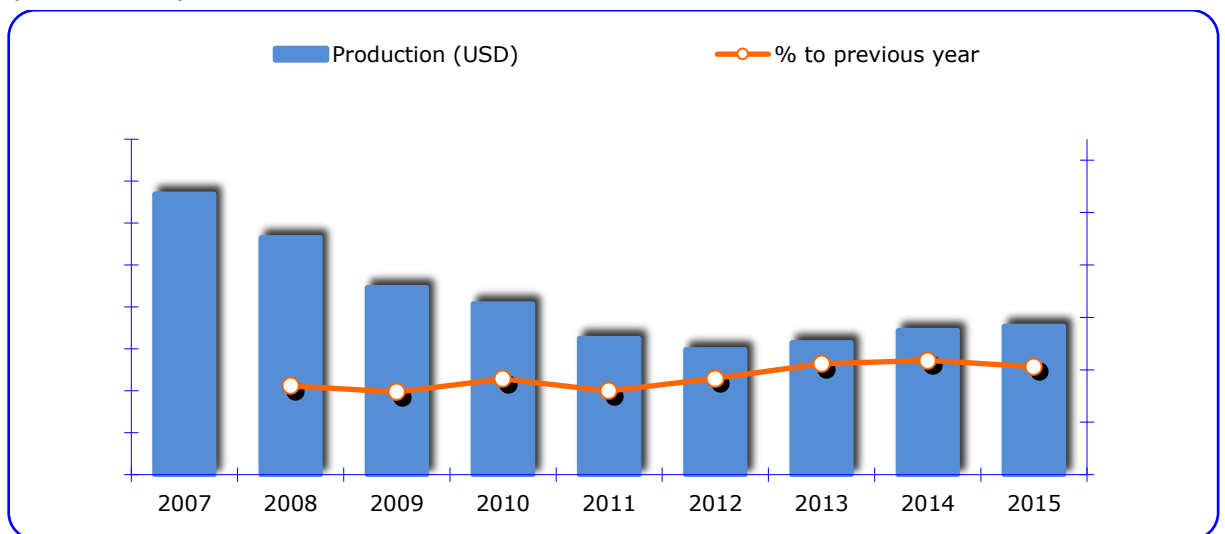
4.1 PRODUCTION FROM 2007-2015

Figure 10: Production, in Physical Terms, 2007–2015
(thousand tonnes)



Source: ***

Figure 11: Production, in Value Terms, 2007–2015
(million USD)

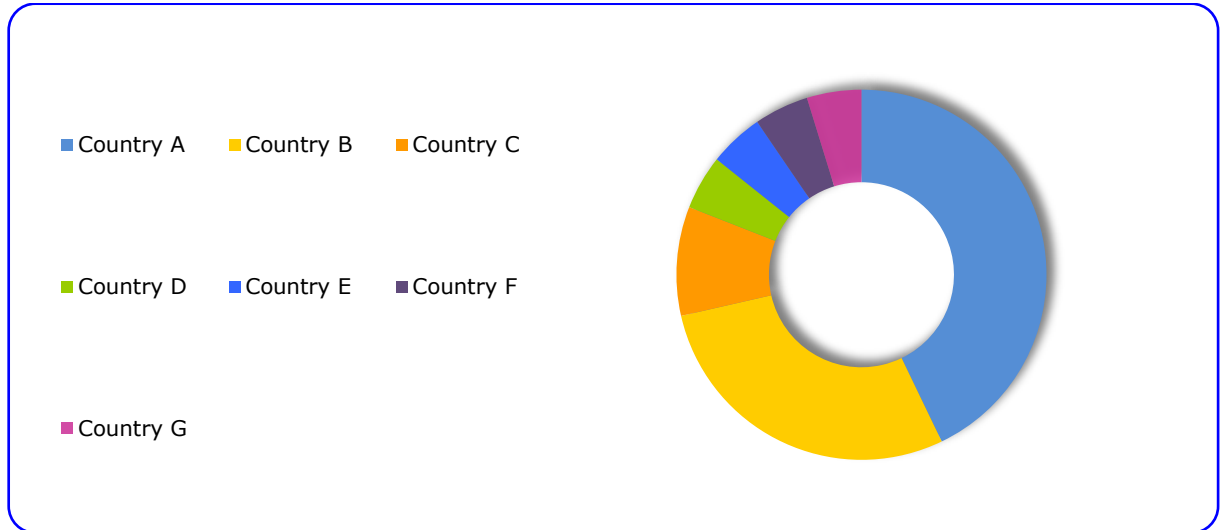


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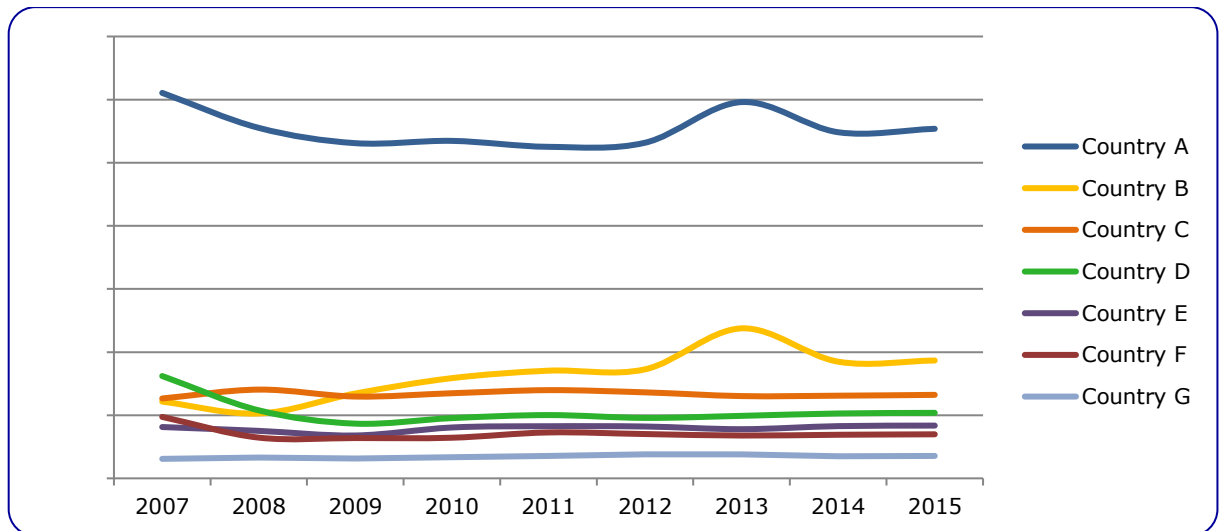
4.2 PRODUCTION BY COUNTRY

Figure 12: Production, by Country, 2015
(thousand tonnes)



Source: ***

Figure 13: Production, in Physical Terms, by Country, 2007–2015
(thousand tonnes)



Source: UN DATA

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Table 6: Production, in Physical Terms, by Country, 2007–2015
(thousand tonnes)

COUNTRY/PERIOD	2007	2008	2009	2010	2011	2012	2013	2014	2015	CAGR, 2007- 2015
Country A	***	***	***	***	***	***	***	***	***	***
Country B	***	***	***	***	***	***	***	***	***	***
Country C	***	***	***	***	***	***	***	***	***	***
Country D	***	***	***	***	***	***	***	***	***	***
Country E	***	***	***	***	***	***	***	***	***	***
Country F	***	***	***	***	***	***	***	***	***	***
Country G	***	***	***	***	***	***	***	***	***	***
Country H	***	***	***	***	***	***	***	***	***	***
Country I	***	***	***	***	***	***	***	***	***	***
Country J	***	***	***	***	***	***	***	***	***	***
Others	***	***	***	***	***	***	***	***	***	***
Total	***	***	***	***	***	***	***	***	***	***

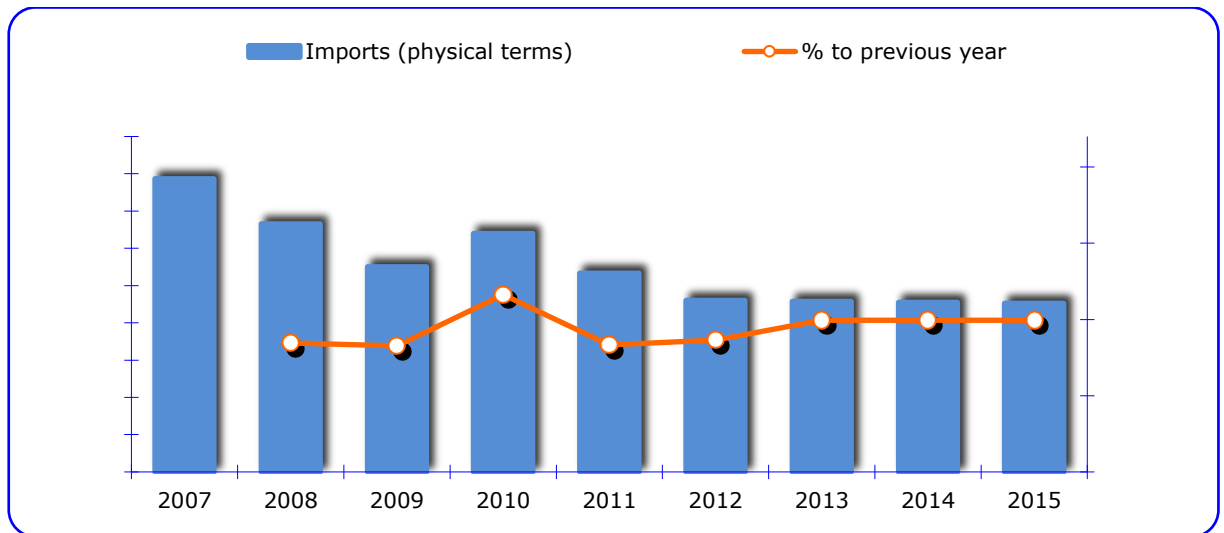
Source: ***

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B 5. IMPORTS

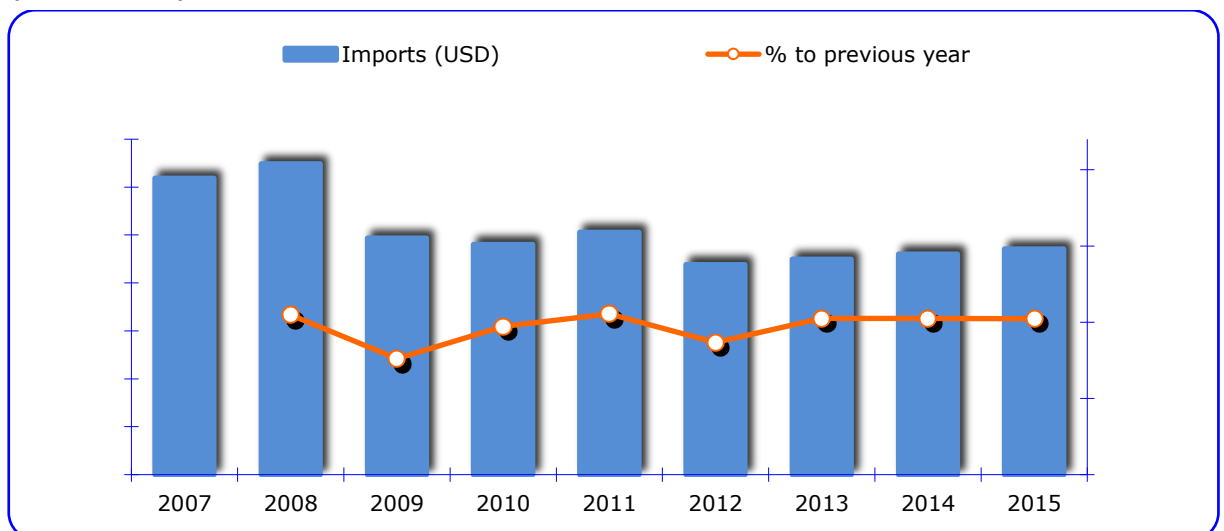
5.1 IMPORTS FROM 2007-2015

Figure 14: Imports, in Physical Terms, 2007-2015
(thousand tonnes)



Source: ***

Figure 15: Imports, in Value Terms, 2007-2015
(million USD)

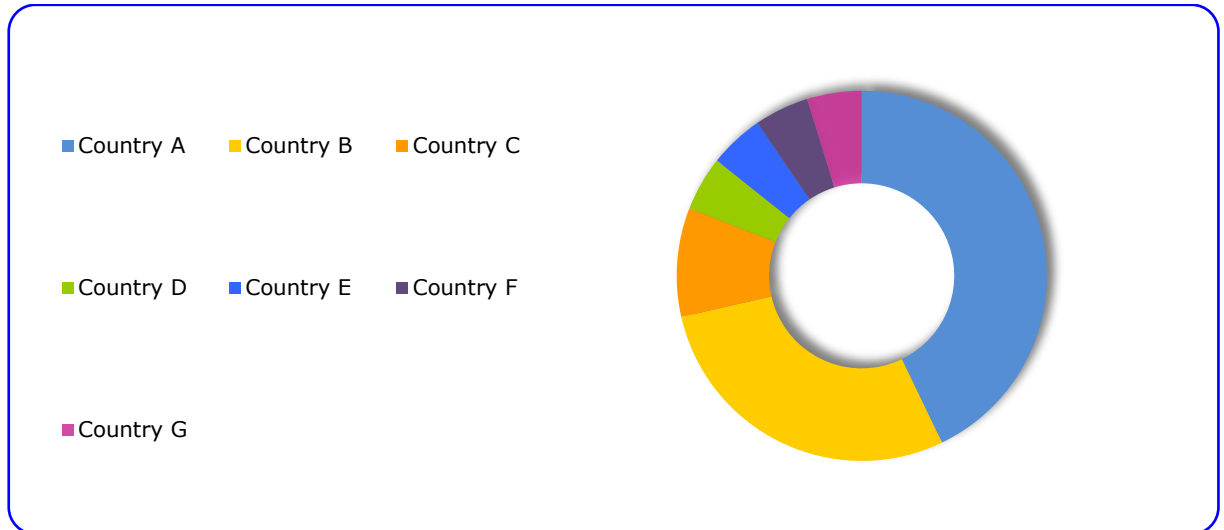


Source: ***

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5.2 IMPORTS BY COUNTRY

Figure 16: Imports, in Physical Terms, by Country, 2015
(%, based on tonnes)



Source: ***

Table 7: Imports, in Physical Terms, by Country, 2007-2015
(thousand tonnes)

Country	2007	2008	2009	2010	2011	2012	2013	2014	2015	CAGR, 2007- 2015
Country A	***	***	***	***	***	***	***	***	***	***
Country B	***	***	***	***	***	***	***	***	***	***
Country C	***	***	***	***	***	***	***	***	***	***
Country D	***	***	***	***	***	***	***	***	***	***
Country E	***	***	***	***	***	***	***	***	***	***
Country F	***	***	***	***	***	***	***	***	***	***
Country G	***	***	***	***	***	***	***	***	***	***
Country H	***	***	***	***	***	***	***	***	***	***
Country I	***	***	***	***	***	***	***	***	***	***
Country J	***	***	***	***	***	***	***	***	***	***
Others	***	***	***	***	***	***	***	***	***	***
Total	***	***	***	***	***	***	***	***	***	***

Source: ***

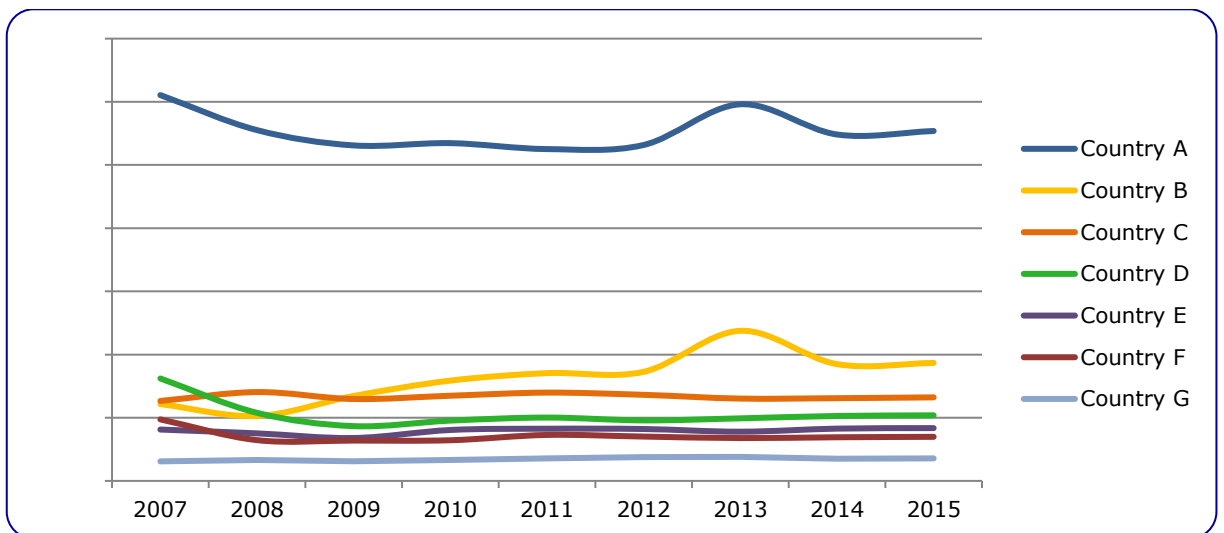
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Table 8: Imports, in Value Terms, by Country, 2007-2015
(million USD)

Country	2007	2008	2009	2010	2011	2012	2013	2014	2015	CAGR, 2007-2015
Country A	***	***	***	***	***	***	***	***	***	***
Country B	***	***	***	***	***	***	***	***	***	***
Country C	***	***	***	***	***	***	***	***	***	***
Country D	***	***	***	***	***	***	***	***	***	***
Country E	***	***	***	***	***	***	***	***	***	***
Country F	***	***	***	***	***	***	***	***	***	***
Country G	***	***	***	***	***	***	***	***	***	***
Country H	***	***	***	***	***	***	***	***	***	***
Country I	***	***	***	***	***	***	***	***	***	***
Country J	***	***	***	***	***	***	***	***	***	***
Others	***	***	***	***	***	***	***	***	***	***
Total	***	***	***	***	***	***	***	***	***	***

Source: ***

Figure 17: Imports, in Physical Terms, by Country, 2007-2015
(thousand tonnes)



Source: ***

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Figure 18: Imports, in Value Terms, by Country, 2007-2015
(million USD)

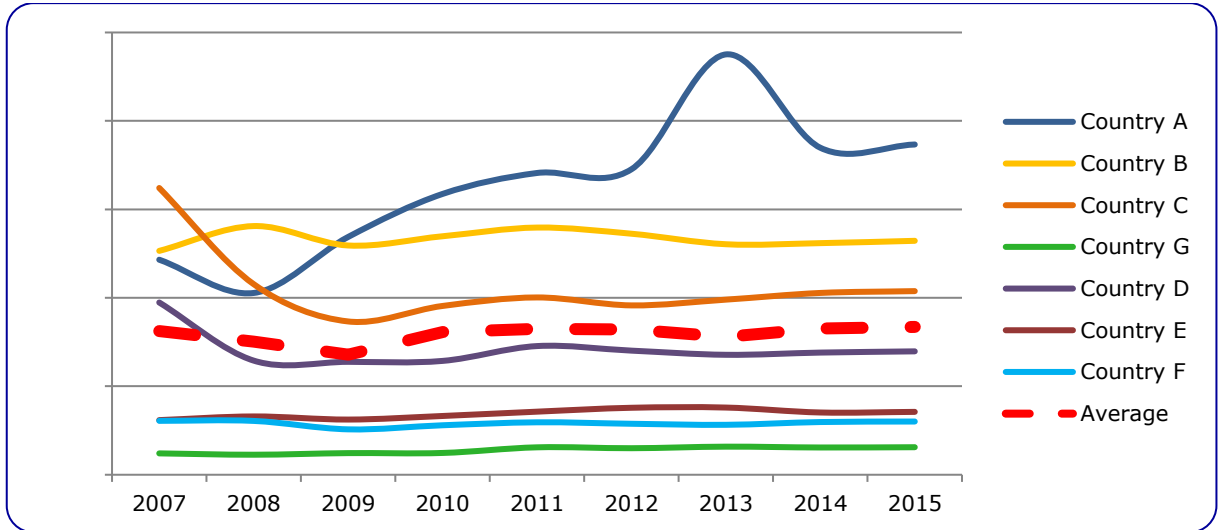


Source: ***

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5.3 IMPORT PRICES

Figure 19: Import Prices, by Country, 2007-2015
(USD per kg)



Source: ***

Table 9: Import Prices, by Country, 2007-2015
(USD per kg)

Country	2007 USD/kg	2008 USD/kg	2009 USD/kg	2010 USD/kg	2011 USD/kg	2012 USD/kg	2013 USD/kg	2014 USD/kg	2015 USD/kg
Country A	***	***	***	***	***	***	***	***	***
Country B	***	***	***	***	***	***	***	***	***
Country C	***	***	***	***	***	***	***	***	***
Country D	***	***	***	***	***	***	***	***	***
Country E	***	***	***	***	***	***	***	***	***
Country F	***	***	***	***	***	***	***	***	***
Country G	***	***	***	***	***	***	***	***	***
Country H	***	***	***	***	***	***	***	***	***
Country I	***	***	***	***	***	***	***	***	***
Country J	***	***	***	***	***	***	***	***	***
Average	***	***	***	***	***	***	***	***	***

Source: ***

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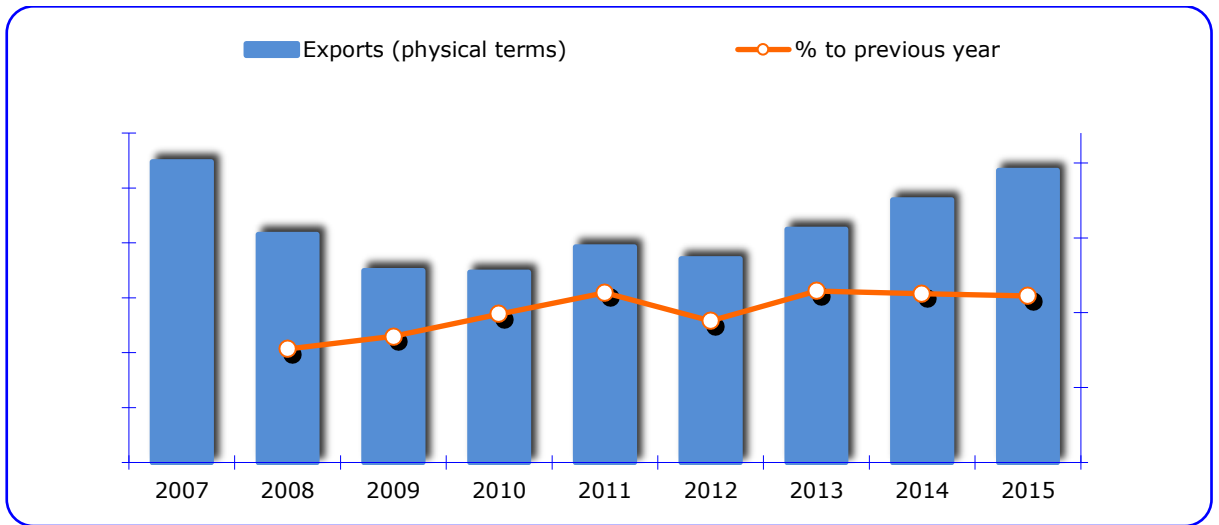
6. EXPORTS

6.1 EXPORTS FROM 2007-2015

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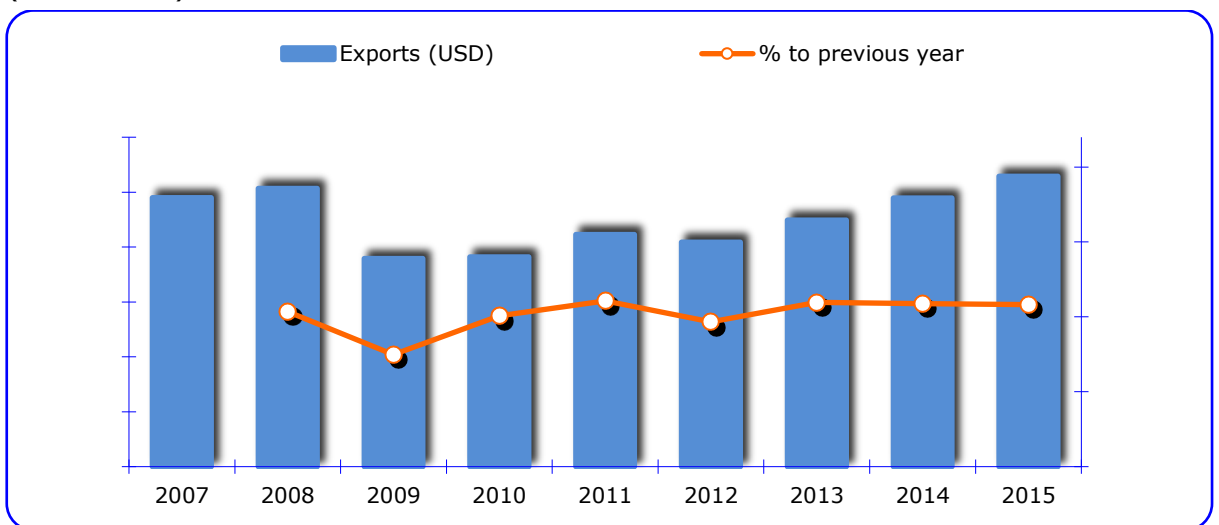
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Figure 20: Exports, in Physical Terms, 2007-2015
(thousand tonnes)



Source: ***

Figure 21: Exports, in Value Terms, 2007-2015
(million USD)

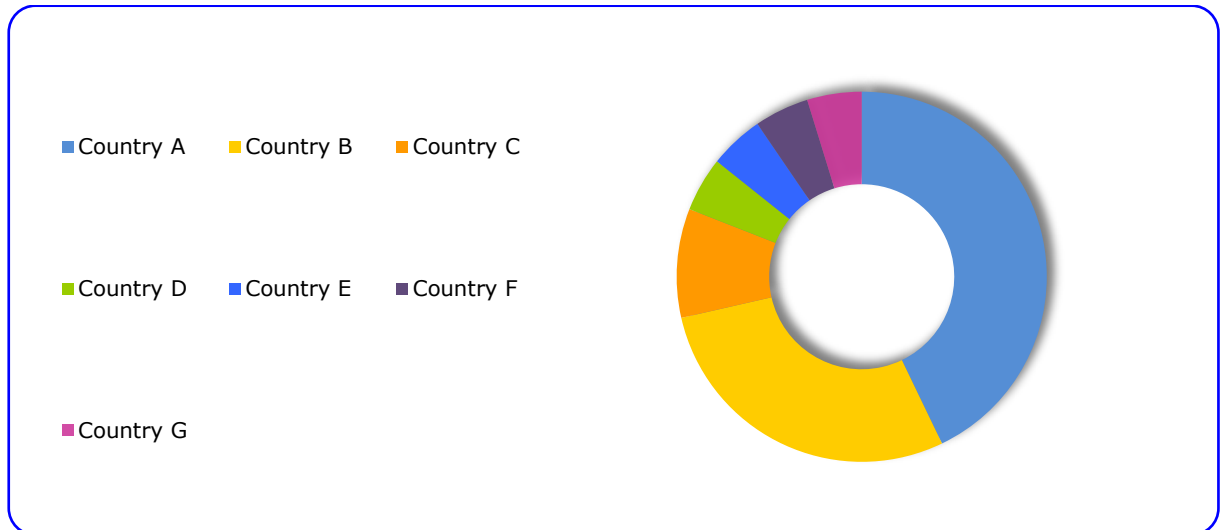


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6.2 EXPORTS BY COUNTRY

Figure 22: Exports, in Physical Terms, by Country, 2015
(%, based on tonnes)



Source: ***

Table 10: Exports, in Physical Terms, by Country, 2007-2015
(thousand tonnes)

Country	2007	2008	2009	2010	2011	2012	2013	2014	2015	CAGR, 2007- 2015
Country A	***	***	***	***	***	***	***	***	***	***
Country B	***	***	***	***	***	***	***	***	***	***
Country C	***	***	***	***	***	***	***	***	***	***
Country D	***	***	***	***	***	***	***	***	***	***
Country E	***	***	***	***	***	***	***	***	***	***
Country F	***	***	***	***	***	***	***	***	***	***
Country G	***	***	***	***	***	***	***	***	***	***
Country H	***	***	***	***	***	***	***	***	***	***
Country I	***	***	***	***	***	***	***	***	***	***
Country J	***	***	***	***	***	***	***	***	***	***
Others	***	***	***	***	***	***	***	***	***	***
Total	***	***	***	***	***	***	***	***	***	***

Source: ***

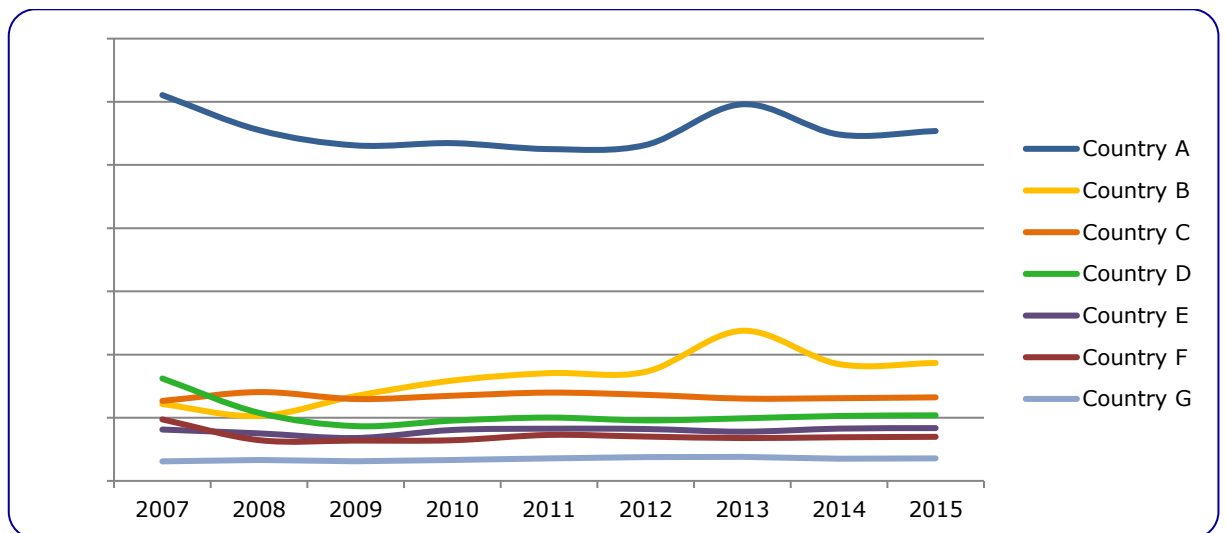
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Table 11: Exports, in Value Terms, by Country, 2007-2015
(million USD)

Country	2007	2008	2009	2010	2011	2012	2013	2014	2015	CAGR, 2007-2015
Country A	***	***	***	***	***	***	***	***	***	***
Country B	***	***	***	***	***	***	***	***	***	***
Country C	***	***	***	***	***	***	***	***	***	***
Country D	***	***	***	***	***	***	***	***	***	***
Country E	***	***	***	***	***	***	***	***	***	***
Country F	***	***	***	***	***	***	***	***	***	***
Country G	***	***	***	***	***	***	***	***	***	***
Country H	***	***	***	***	***	***	***	***	***	***
Country I	***	***	***	***	***	***	***	***	***	***
Country J	***	***	***	***	***	***	***	***	***	***
Others	***	***	***	***	***	***	***	***	***	***
Total	***	***	***	***	***	***	***	***	***	***

Source: ***

Figure 23: Exports, in Physical Terms, by Country, 2007-2015
(thousand tonnes)

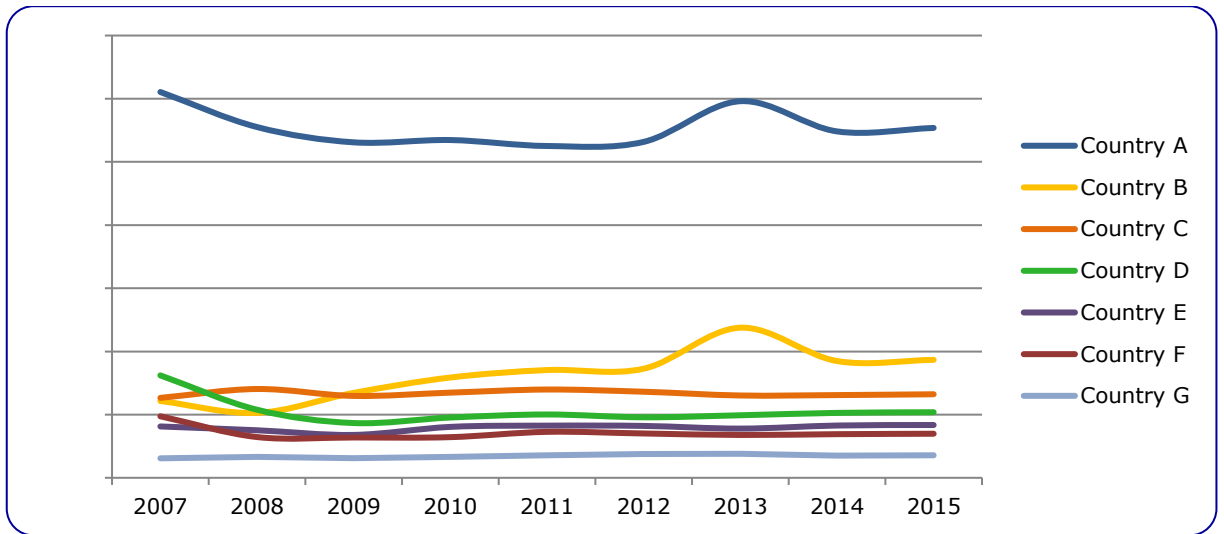


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Figure 24: Exports, in Value Terms, by Country, 2007-2015
(million USD)

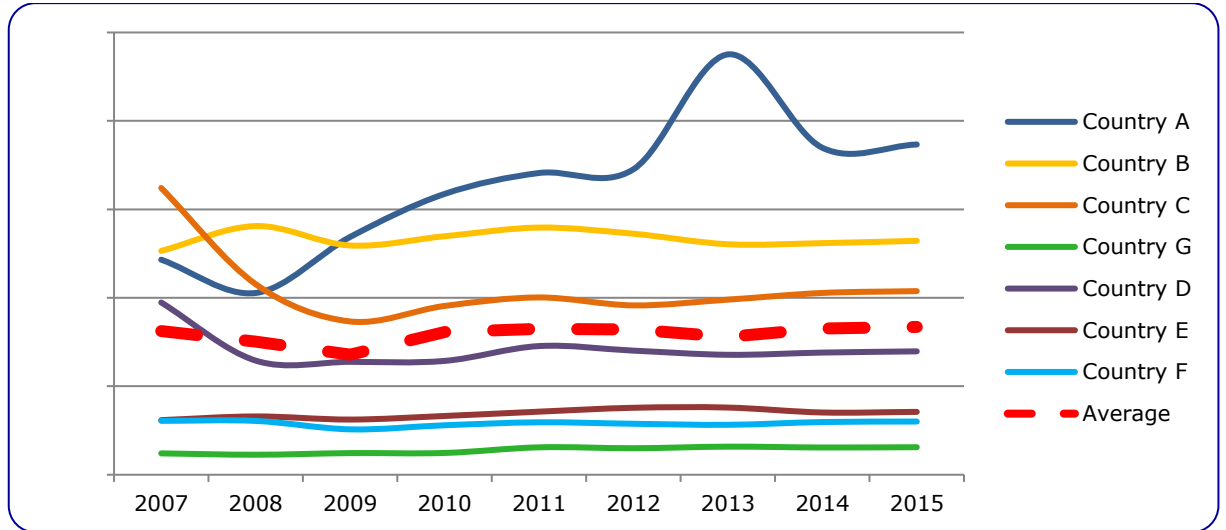


Source: ***

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6.3 EXPORT PRICES

Figure 25: Export Prices, by Country, 2007-2015
(USD per kg)



Source: ***

Table 12: Export Prices, by Country, 2007-2015
(USD per kg)

Country	2007 USD/kg	2008 USD/kg	2009 USD/kg	2010 USD/kg	2011 USD/kg	2012 USD/kg	2013 USD/kg	2014 USD/kg	2015 USD/kg
Country A	***	***	***	***	***	***	***	***	***
Country B	***	***	***	***	***	***	***	***	***
Country C	***	***	***	***	***	***	***	***	***
Country D	***	***	***	***	***	***	***	***	***
Country E	***	***	***	***	***	***	***	***	***
Country F	***	***	***	***	***	***	***	***	***
Country G	***	***	***	***	***	***	***	***	***
Country H	***	***	***	***	***	***	***	***	***
Country I	***	***	***	***	***	***	***	***	***
Country J	***	***	***	***	***	***	***	***	***
Average	***	***	***	***	***	***	***	***	***

Source: ***



7. COUNTRY PROFILES

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8. PROFILES OF MAJOR PRODUCERS

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