

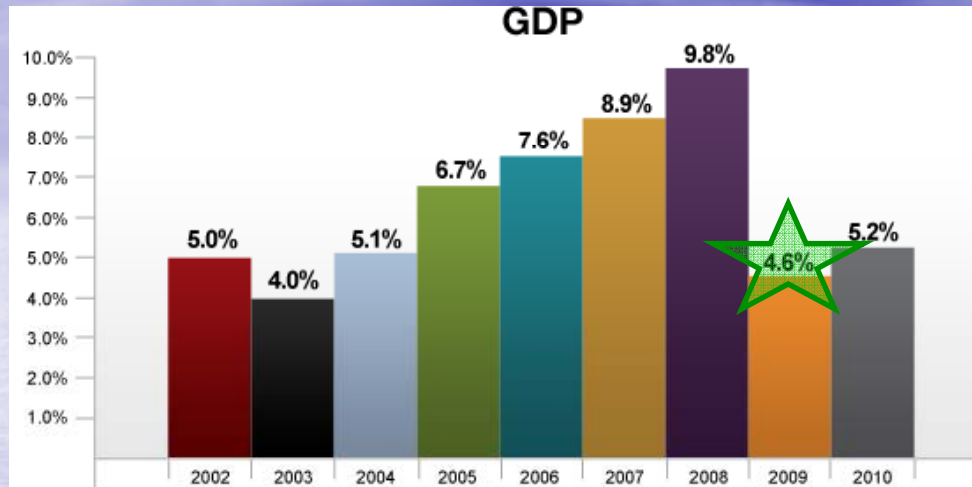
South America Opportunities on Risks

Latin America



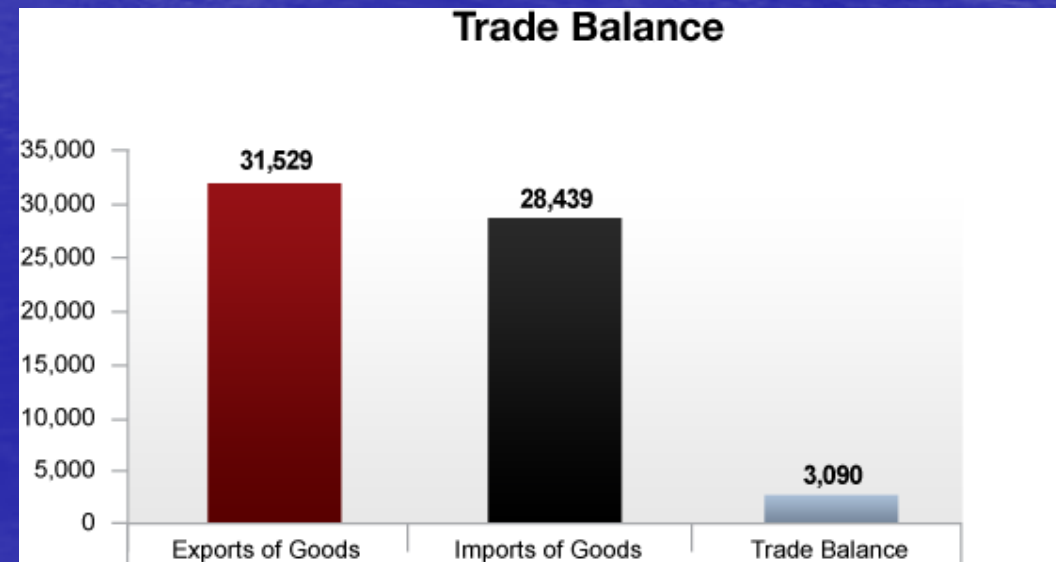
A great region in the western side, total demand of plastic and Polymer was consumed 25% of global demand approximated amount 60 Trillion USD. While the demand of plastic have been integrated to the agricultural business and food business. While the biggest player for mining still be Chile and Brazil have integrate the system to be the biggest consumer for agricultural for energy supply.

Peru GDP VS trade Balance



2009 passed crisis with plus sign

2010 trade balance



Economic Geography in Peru

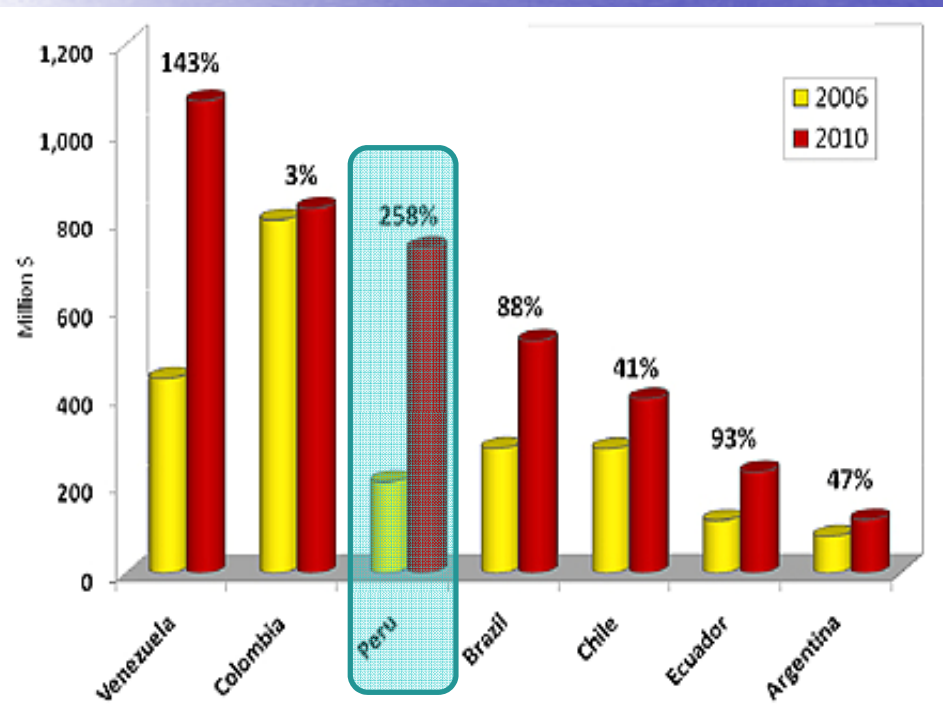


Peru in the World

- Leading silver producer.
- Second largest copper producer.
- Leading exporter of asparagus, organic coffee.
- Leading producer of fishmeal and fish oil.
- US\$ 4,500 per capita income in 2009.
- Leading producer of gold, zinc, tin and lead.
- Third largest country in South America.
- Second largest natural forest area.
- Only sustainable natural gas source on the South America Pacific coast.

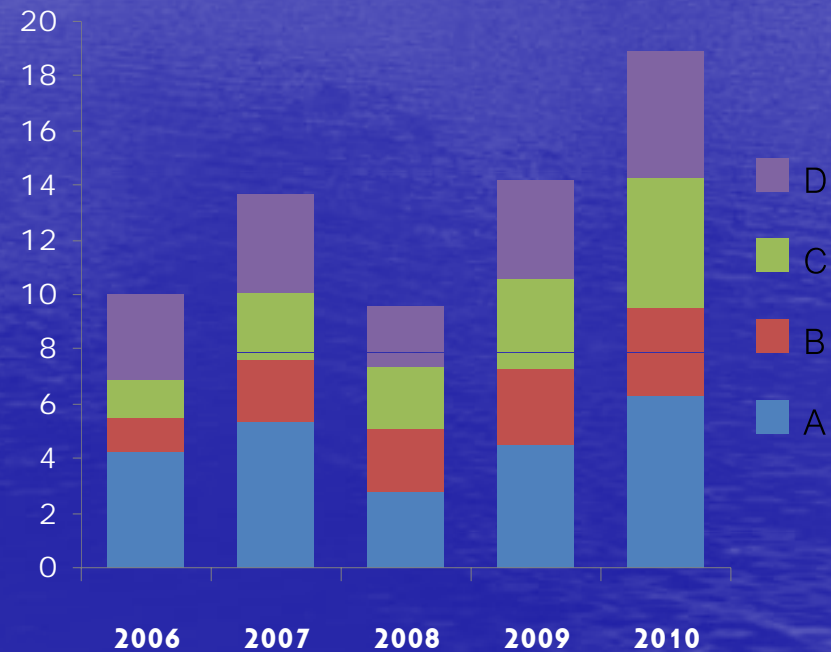
Peru greater amount of agriculture in LATAM as same as the growth of imported growth of import plastic resin for agricultural film

Export Agricultural product from LATAM 2006 - 2010

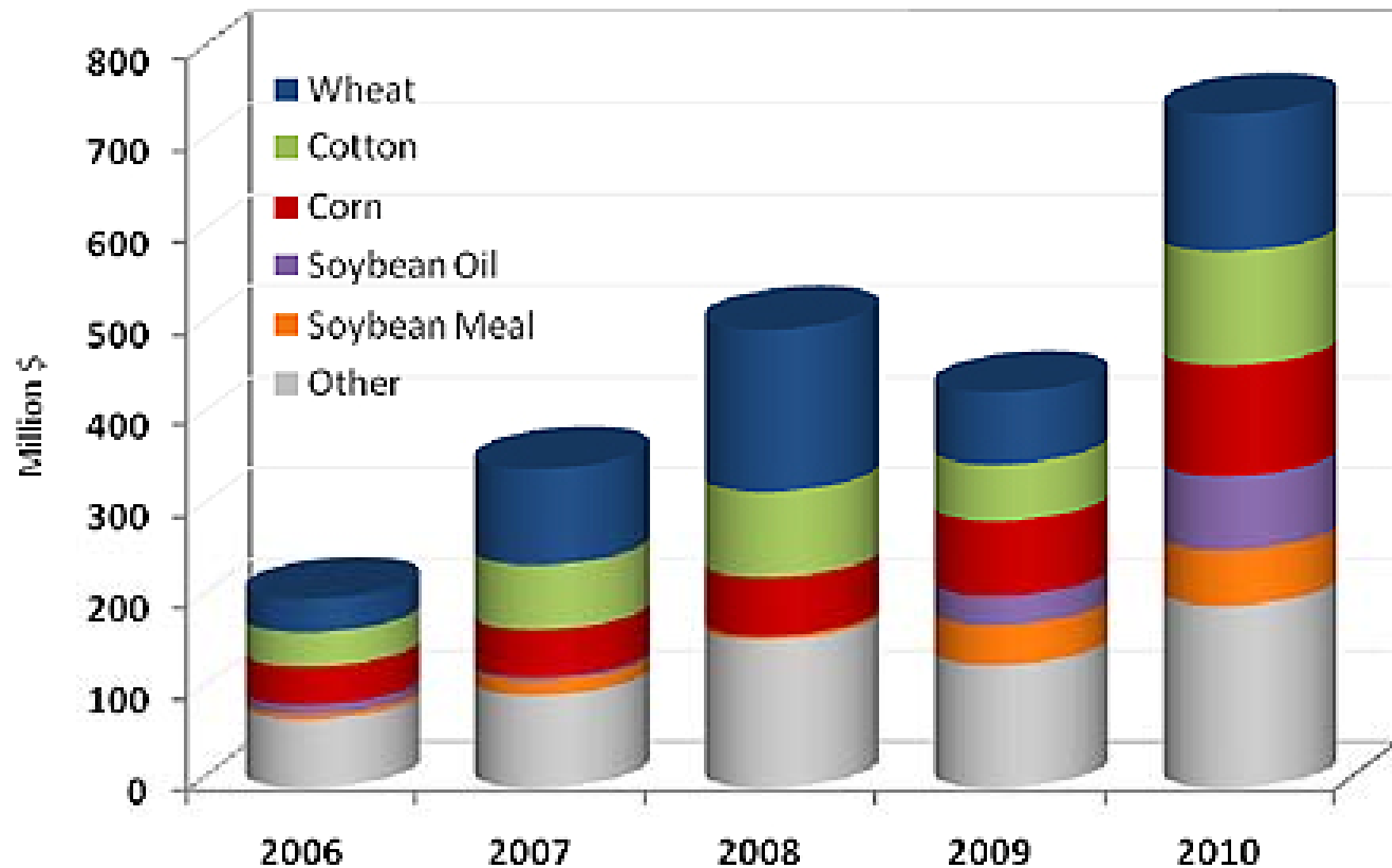


Amount of importing polymer in Peru from 2006 - 2010

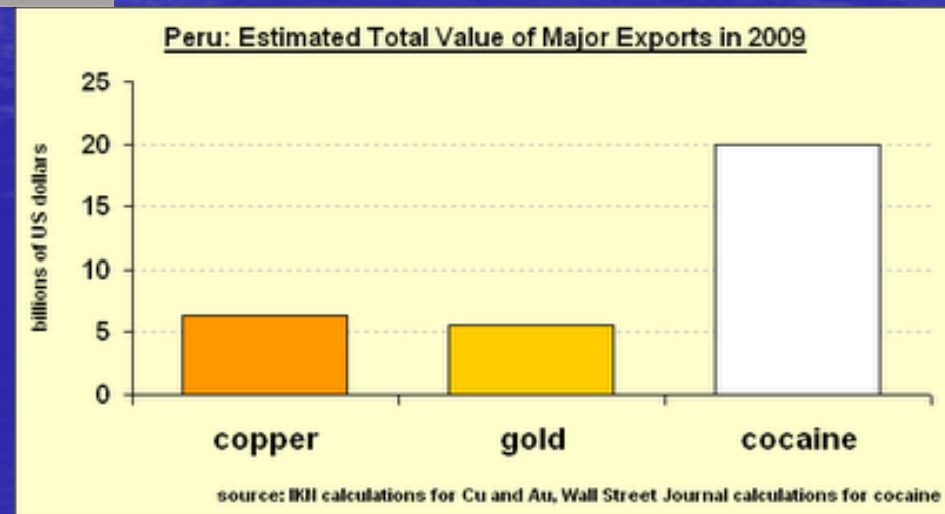
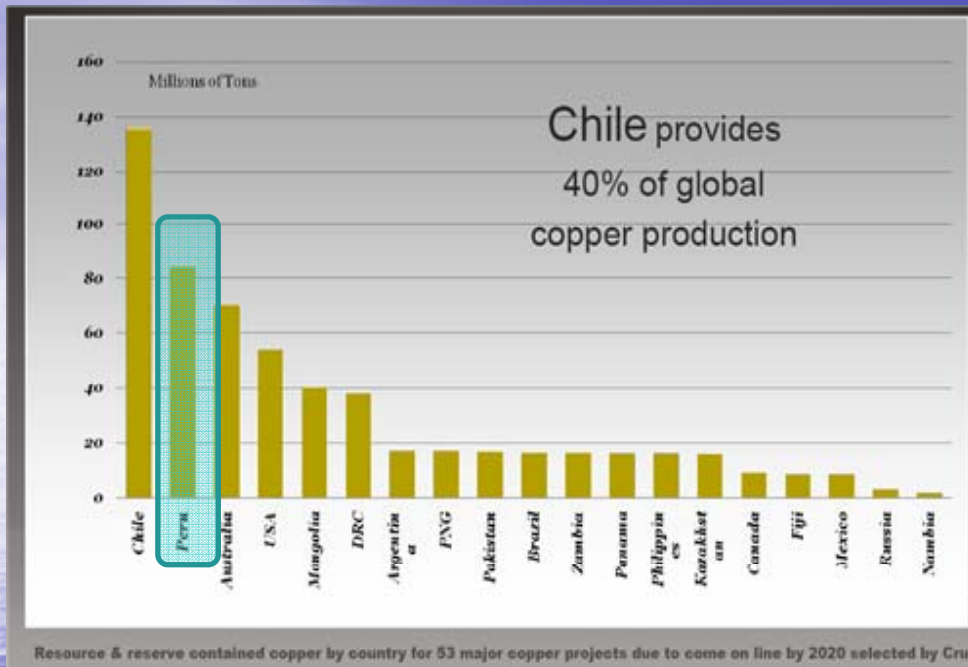
MUS



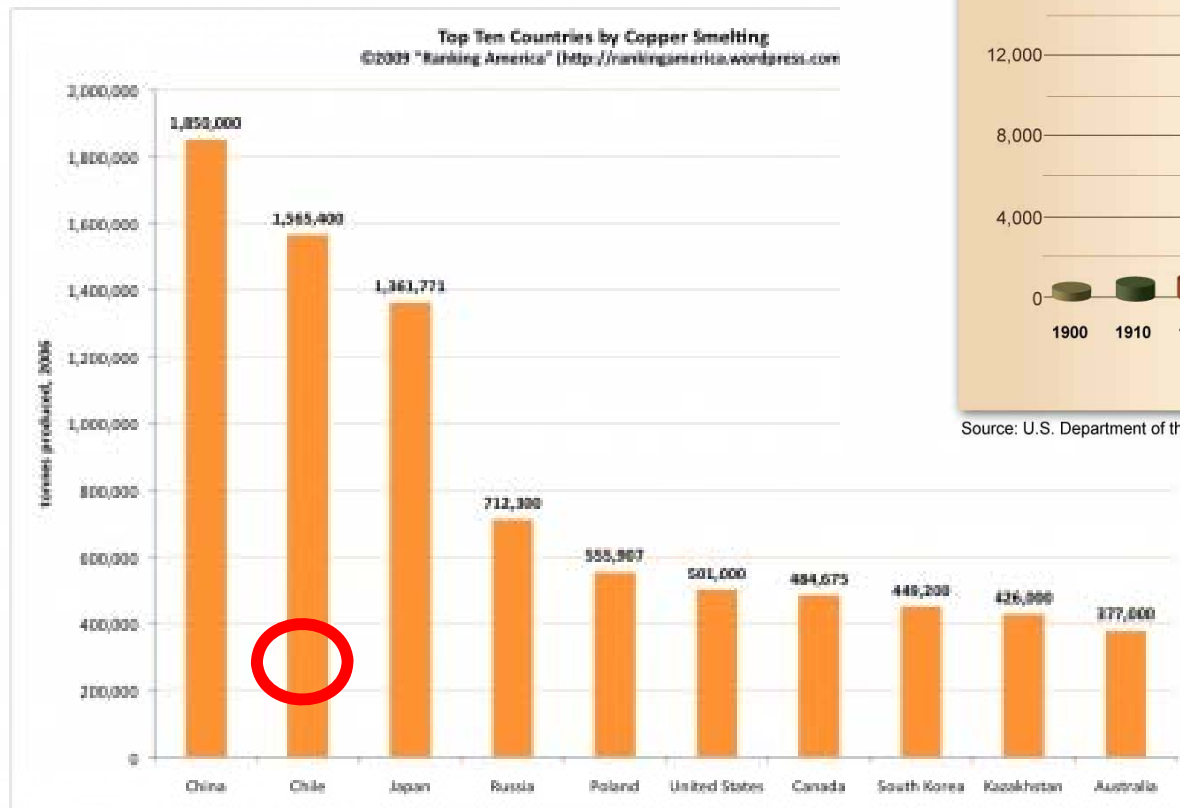
Import agricultural from USA to Peru



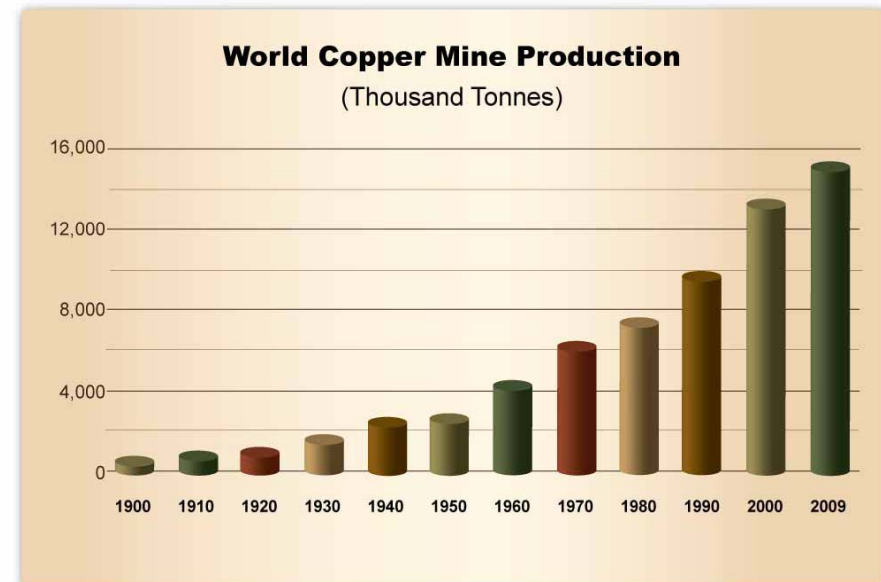
Peru #2 Copper producer in the world



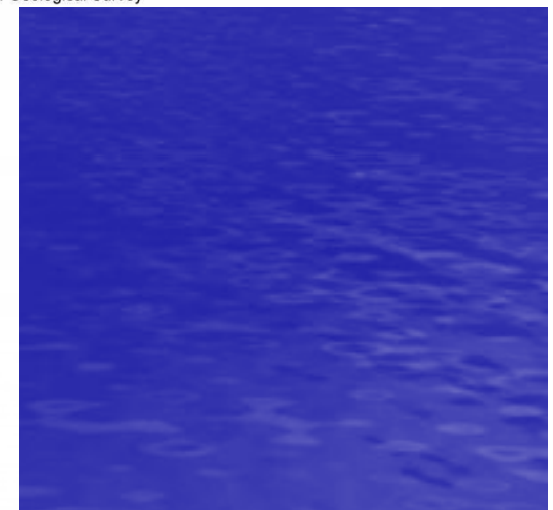
2009 Growth of Mining production in Chile



Data from BGS
<http://www.bgs.ac.uk/mineralsuk/>

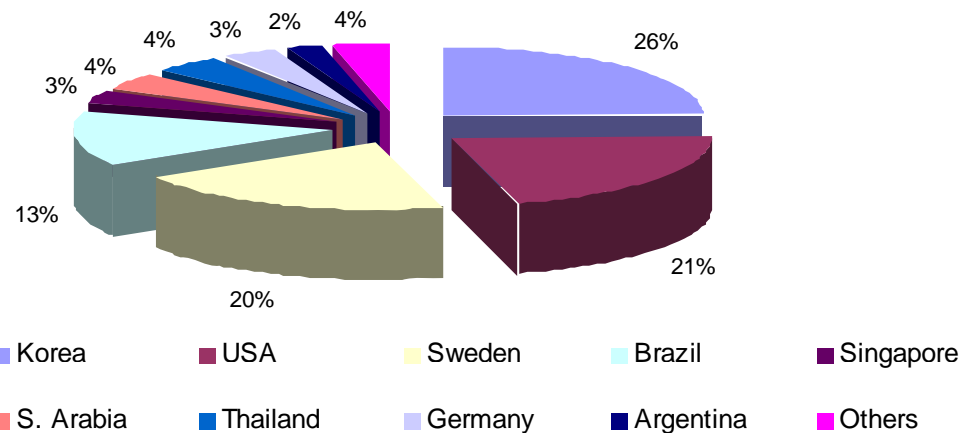


Source: U.S. Department of the Interior, U. S. Geological Survey



Chile HDPE to pipe Demand in 2009

Thailand paid 6% import duty while Korea 0 duty



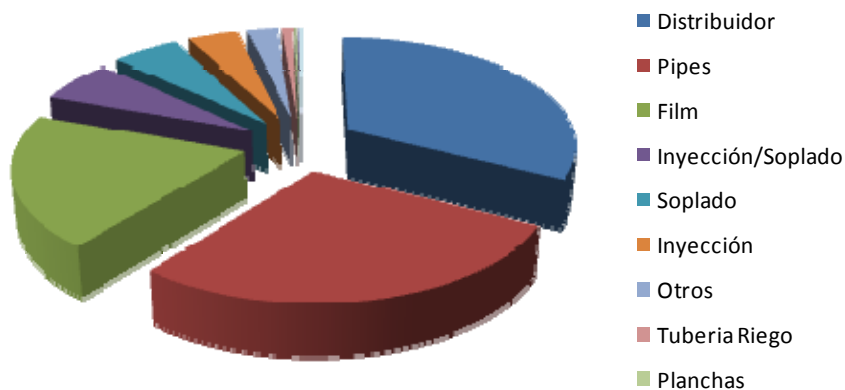
Total HDPE Consumption

2008 50,000 MT

2009 45,000 MT

2010 ~ 48,000 MT

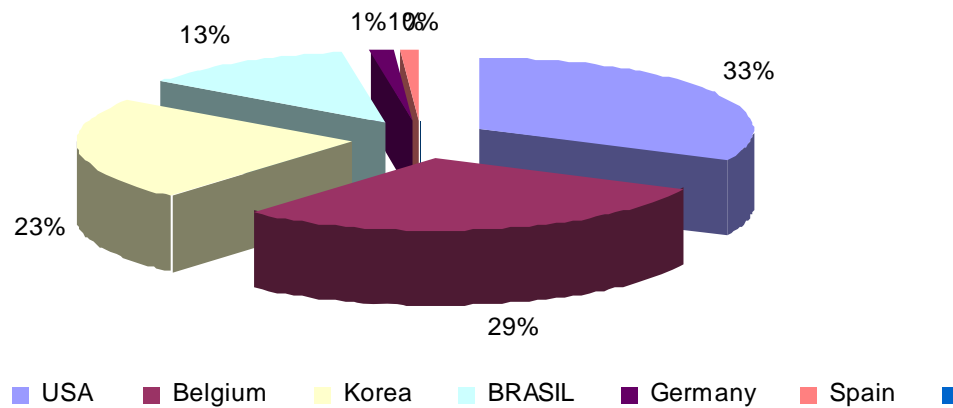
KG - 2009



Segmentation for Application

Application (HDPE)	Quantity	Share %
Distributor	39410	32
Pipe	34494	28
Film	23948	20
Injection	19205	16
Auto	3010	2
Irrigation	1034	1
Rotomolding	402	0
Cable	115	0
Total Demand	121618	

Colombia and Peru Total demand supply for Pipe 4118 MT and 9210 MT in 2009 respectively

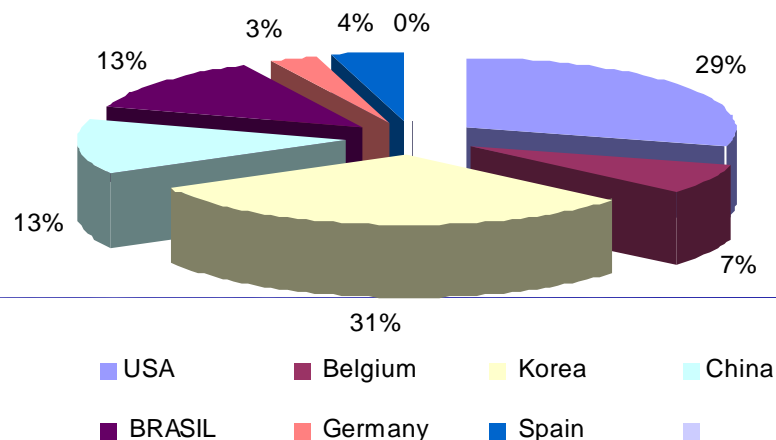


Colombia Total HDPE Consumption

2008 5,300 MT

2009 4,100 MT

2010 ~ 5,120 MT



Peru Total HDPE Consumption

2008 7,300 MT

2009 9,210 MT

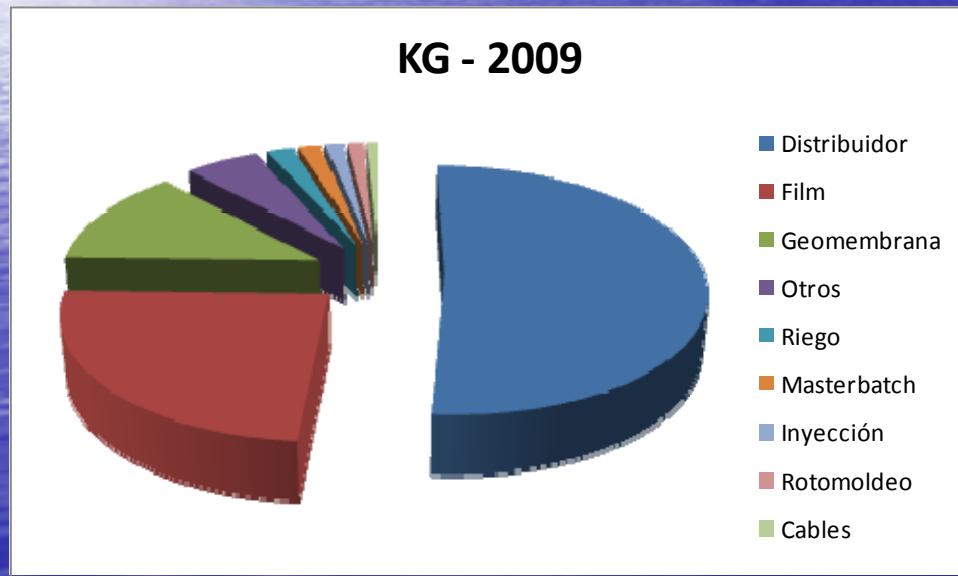
2010 ~ 11,210 MT

Chile LLDPE to Rotomolding Demand in 2009

Korea free tax while Thailand 6% expected 2010 will reach to 2100 MT

Segmentation for Application

Importer 2009 (MT/Y)	USA	Brazil	Korea	Total
Total by country (MT)	417	26	447	890

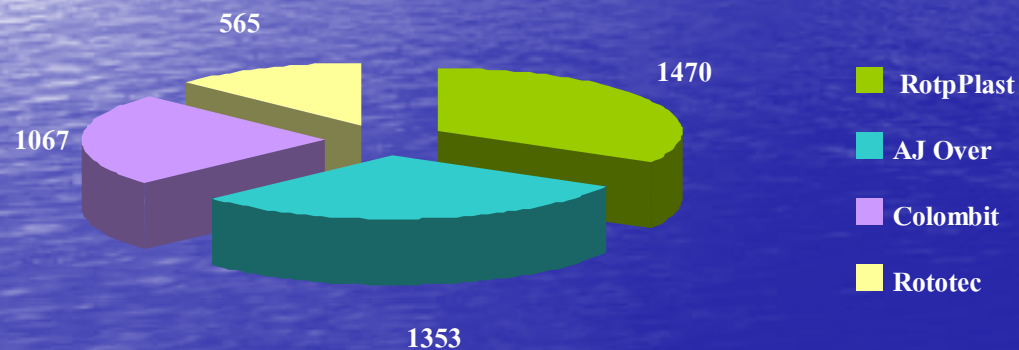


Application (LLDPE)	Quantity	Share %
Distributor	36634	51
Film	17273	24
Flexible	8965	13
Other	3819	5
Pipe	1325	2
Masterbatch	1168	2
Injection	900	1
Rotomolding	890	1
Cable	520	1
Total Demand	71494	

Total demand supply for Roto Molding 2009 Colombia Was 4500 MT while expected 7,600 MT for 2010

Customer	MEXICO	USA	Saudi Arabia	CANADA	Austria	Total
Total	3.786.120	453.067	188.000	25.720	2.200	4.455.107

Supply ability from Mexico and USA



Import duty is our opportunities or risk

Compare with Asia's cargo we have the less competitiveness in **CHILE**

Duty rate	ORIGINS							
	USA	EUROPE	KOREA	CHINA	TAIWAN	ARGENTINA	BRAZIL	THAILAND
CHILE	0	0	0	0	6	0	0	6
Peru	0	0	0	0	0	0	0	0
BRAZIL	14	14	14	14	14	0	0	14
ARGENTINA	14	14	14	14	14	0	0	14
COLOMBIA	5.5	5.5	5.5	5.5	5.5	2.5	2.5	5.5
BOLIVIA	10	10	10	10	10	0	0	10

Chile import quantity (MT) of HDPE 2009

Application (HDPE)	Quantity	Share %
Distributor	39410	32
Pipe	34494	28
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1. Opportunities loss 120 KT
2. Need the FTA to support to Expand market base in Chile.