



Elcano Global Presence Index

South African Institute of International Affairs (SAIIA)
Johannesburg, September 2018

FIRST PART

1. Methodological issues

- 1.1 What is global presence? (and what is not)
- 1.2 How do we build the index?

2. Tools and visualization

- 2.1 Country profile
- 2.2 Ranking
- 2.3 Contributions
- 2.4 Quota

SECOND PART

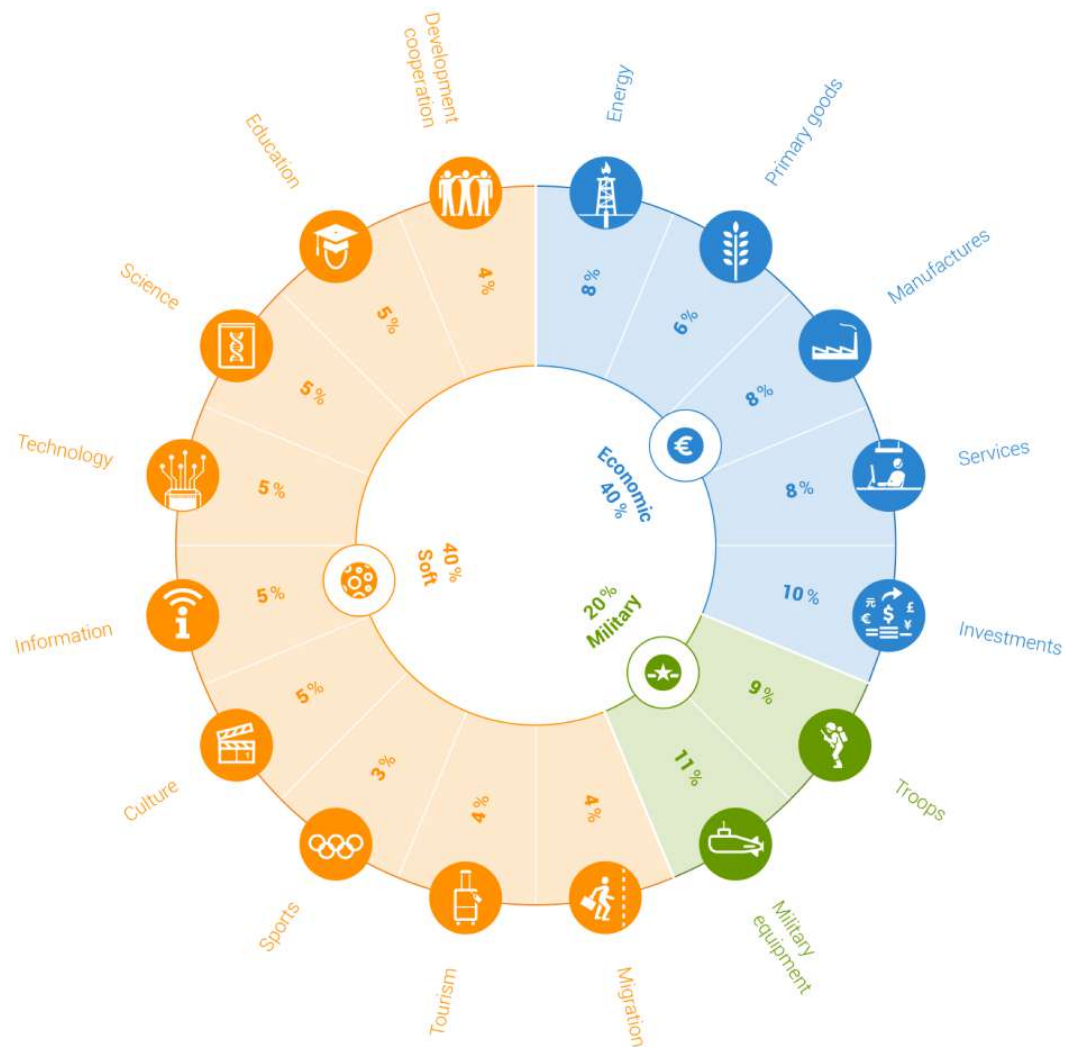
3. Analytical use

- 3.1 Addition of the index: globalization trends
 - 3.2 Regional analysis: comparison between regions and within them
 - 3.3 Comparability of global presence and European presence
 - 3.4 The inclusion of the European Union
 - 3.5 Spain's presence breakdown by origin (contribution of each region) and destination (regions and countries)
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1.1 What is global presence?

- Elcano Global Presence Index is a synthetic index that orders, quantifies, and aggregates the **external projection** of different countries.
- How countries are “out there”
- 2018 edition: 110 countries, since 1990 and 2010-2018
- Global presence is divided into three dimensions: economic, military, and soft presence
- Analytical tool for international relations, with two main objectives:
 1. Analysis of global trends over the last decades, and since the crisis
 2. Assess the external action and foreign policy of the countries included
- What is not global presence: not power, not openness, not internationalization effort

Elcano Global Presence Index weighting coefficients



1.2 How do we build the index?

1. Selection of indicators

- Unidirectionality and external projection (cross-border presence)
- Results of presence, not the means or assets needed to achieve these results.
- Special indicators: military equipment, sports, information

2. Transformation of indicators

- From absolute to relative terms (GDP for economic dimension; Population for military and soft dimension)
- Normalization Max-Min
- Outliers cleaning
- Reweighting by weight in world GDP and world population

3. Aggregation of the indicators → surveys with a panel of experts in international relations from the five continents (2011, 2012, 2015, 2018)

- ❖ In 2017, methodological audit by Competence Centre on Composite Indicators and Scoreboards (COIN) of the Joint Research Centre (JRC) of the European Commission

1.2 How do we build the index

- Military Equipment coefficients → aggregation of 8 components

Table 1. Military equipment's coefficients

2010	Aircraft carriers	Amphibious ships	Frigates	Destructors	Cruisers	Nuclear submarines	Transport aircraft	Tanker aircraft	TOTAL	STEP
TOTAL	22	57	360	200	28	137	2033	676	3513	1
Weighting Individual	159.7	61.6	9.8	17.6	125.5	25.6	1.7	5.2	406.7	2
coefficient	392.7	151.6	24.0	43.2	308.5	63.1	4.2	12.8	1000.0	3

- Sports' coefficient: Olympic medals and FIFA points
 - Aggregation of components

$$Spv_{i,t} = \left(0.75 * \frac{OM_{i,t}}{\sum_i^n OM_t} \right) + \left(0.25 * \frac{FP_{i,t}}{\sum_i^n FP_t} \right)$$

Table 2. Corrector Sport's coefficient

1990	1995	2000	2005	2010	2011	Since 2012
0.48	0.56	0.58	0.82	1	1	1

- Corrector Sport's coefficient

- Information coefficient: Internet (c1) and news in press agencies (c2)

$$Ipv_{i,t} = 0.5 * ITpv_{i,t} + 0.5 * Npv_{i,t}$$

2. Tools and visualization

- Existing tools in our web ([Explora](#) section)

2.1 Global presence [ranking](#), and by dimensions

2.2 Country [presence profile](#)

2.3 [Contributions](#) by dimensions and indicators

2.4 [Quota](#) of presence



#GlobalPresence

1990

- 1 United States
- 2 Russia
- 3 United Kingdom
- 4 France
- 5 Germany
- 6 Japan
- 7 Italy
- 8 Canada
- 9 Netherlands
- 10 Belgium
- 11 China



#GlobalPresence

1995

- 1 United States
- 2 Germany
- 3 France
- 4 United Kingdom
- 5 Japan
- 6 Russia
- 7 Italy
- 8 Canada
- 9 Netherlands
- 10 China
- 11 Spain



RE
e
RO



#GlobalPresence

2000

- 1 United States
- 2 United Kingdom
- 3 Germany
- 4 France
- 5 Japan
- 6 Russia
- 7 Canada
- 8 Italy
- 9 Netherlands
- 10 China
- 11 Spain



#GlobalPresence

2005

- 1 United States
- 2 United Kingdom
- 3 Germany
- 4 France
- 5 Japan
- 6 Russia
- 7 Canada
- 8 China
- 9 Italy
- 10 Netherlands
- 11 Spain



RE
e
RO



#GlobalPresence

2010

- 1 United States
- 2 United Kingdom
- 3 Germany
- 4 France
- 5 China
- 6 Japan
- 7 Netherlands
- 8 Canada
- 9 Russia
- 10 Italy
- 11 Spain

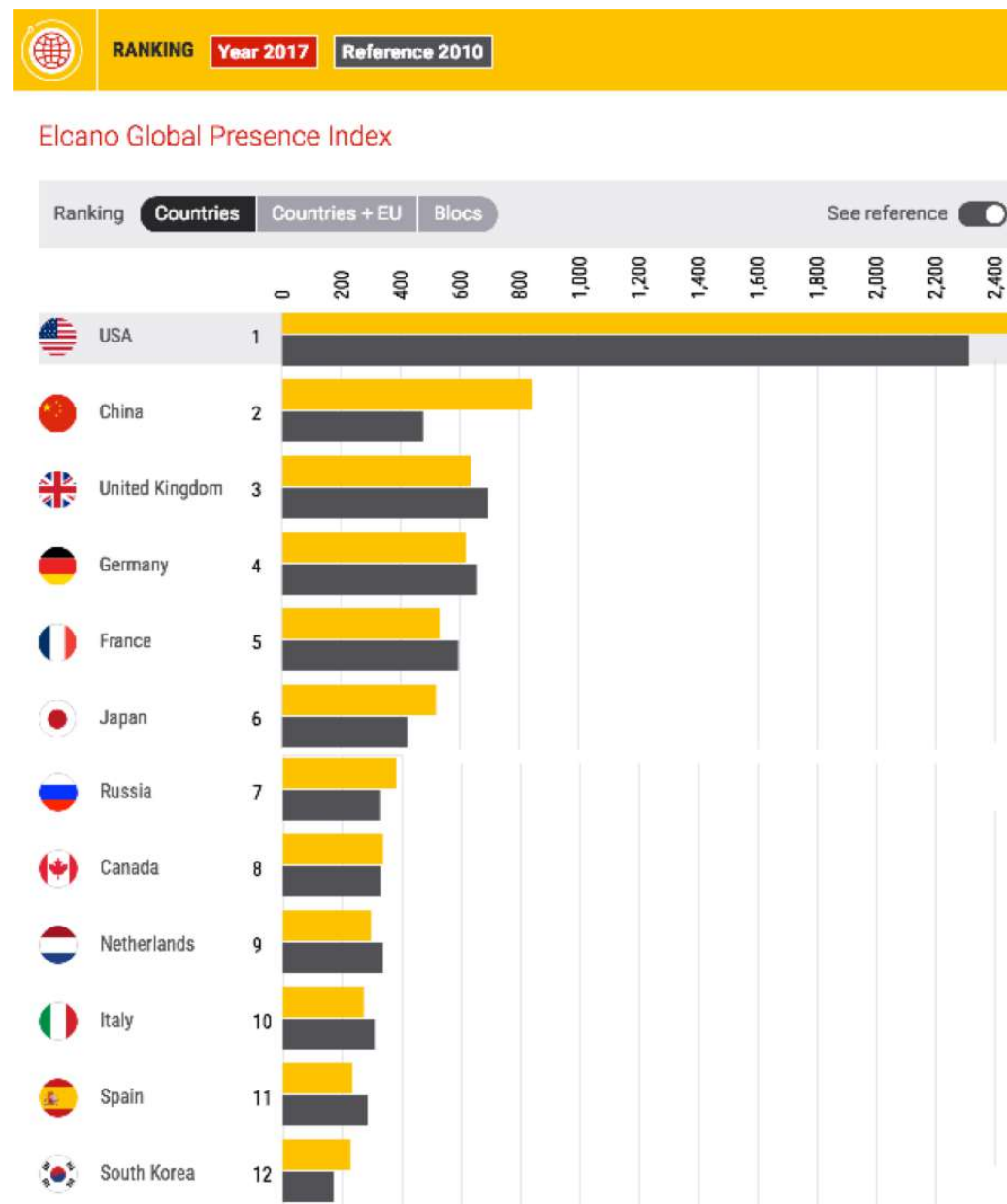


#GlobalPresence

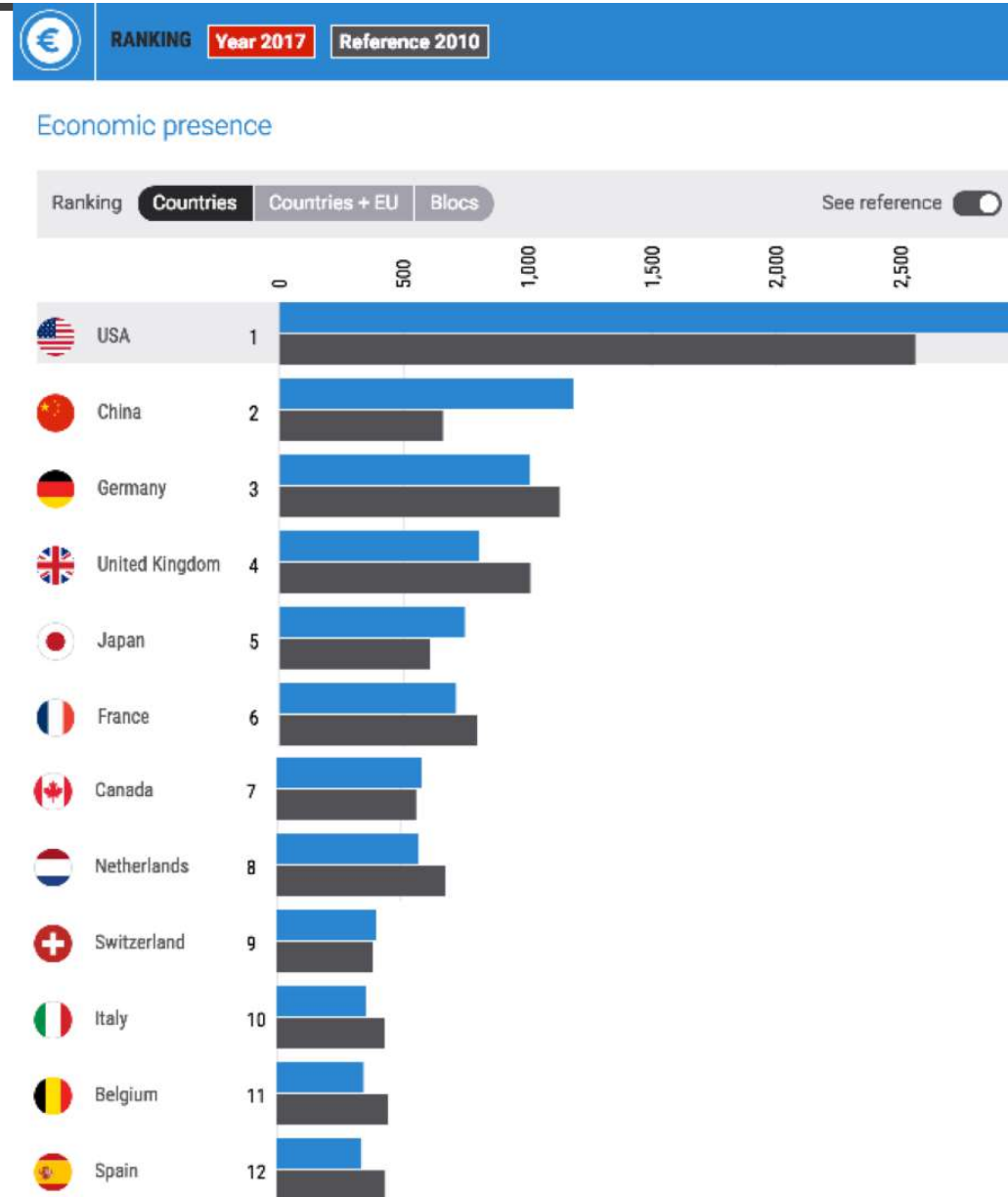
2017

1	United States	=
2	China	+9
3	United Kingdom	=
4	Germany	+1
5	France	-1
6	Japan	=
7	Russia	-5
8	Canada	=
9	Netherlands	=
10	Italy	-3
11	Spain	+1

Global presence ranking



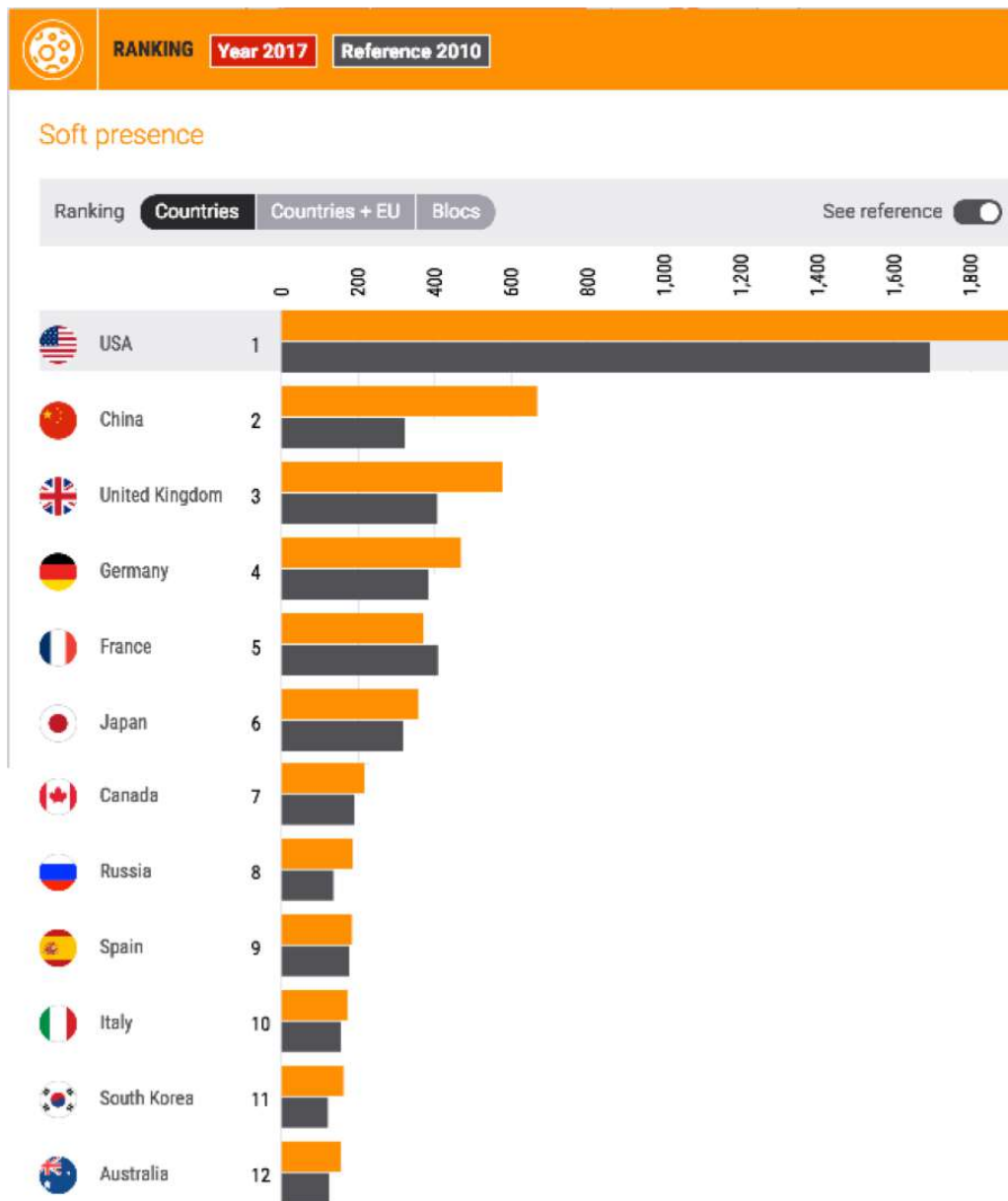
Economic presence ranking



Military presence ranking



Soft presence ranking





COUNTRY FILE **Year 2017**

Presence: **Global** European

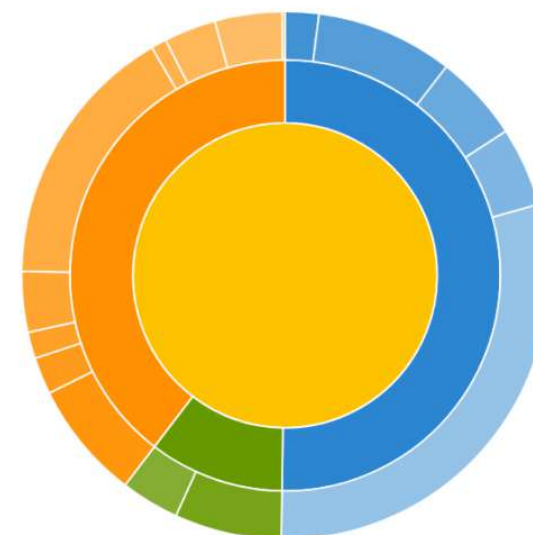
Elcano Global Presence Index South Africa

Country ranking 29th

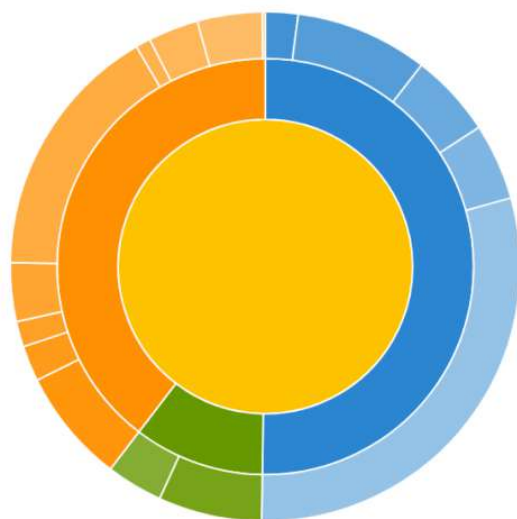
VARIABLE	INDEX VALUE	PRESENCE CONTRIBUTION
 GLOBAL PRESENCE	74.8	—
 ECONOMIC PRESENCE	93.6	50.1 %
 MILITARY PRESENCE	38.1	10.2 %
 SOFT PRESENCE	74.3	39.7 %

COUNTRY'S BASIC DATA

GDP	295.5 [US\$ BILLION]	Country ranking 39th
POPULATION	55.9 [MILLION POP]	Country ranking 23th



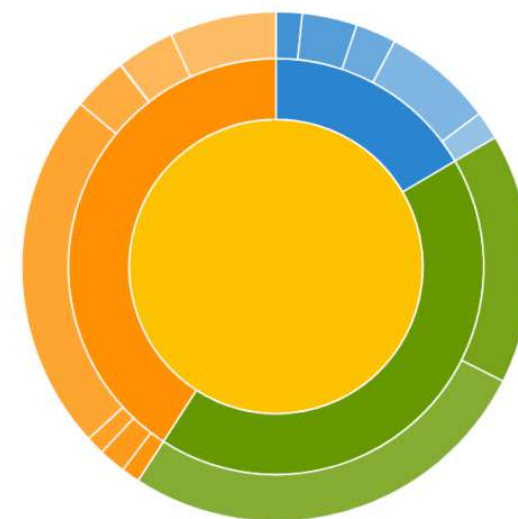
 South Africa 2017



 South Africa 2017

 74.8 INDEX VALUE 51.7 

PRESENCE CONTRIBUTION	VARIABLE	PRESENCE CONTRIBUTION
--	GLOBAL PRESENCE	--
50.1 %	ECONOMIC PRESENCE	16.5 %
10.2 %	MILITARY PRESENCE	42.6 %
39.7 %	SOFT PRESENCE	40.9 %

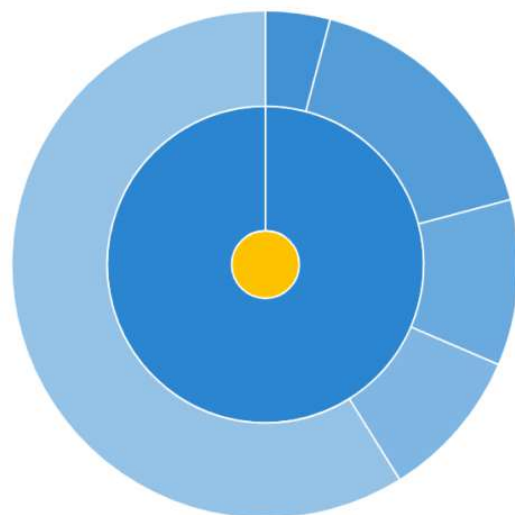


 Egypt 2017




CONTRIBUTIONS **Year 2017**

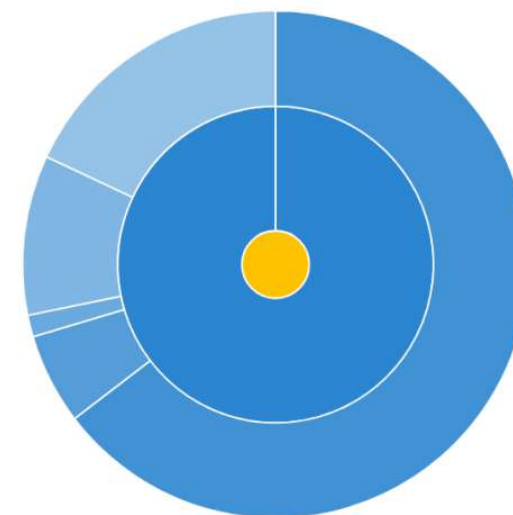
Presence: **Global** European



 South Africa 2017

 74.8 INDEX VALUE 39.3 

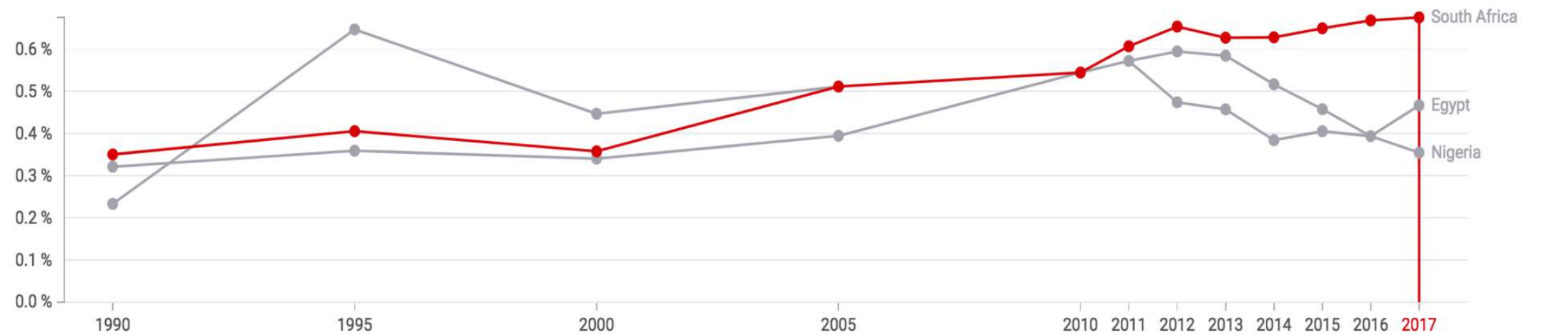
PRESENCE CONTRIBUTION	VARIABLE	PRESENCE CONTRIBUTION
50.1 %	 ECONOMIC PRESENCE	23.6 %
2.1 %	ENERGY	15.2 %
8.5 %	PRIMARY GOODS	1.4 %
5.3 %	MANUFACTURES	0.3 %
4.9 %	SERVICES	2.4 %
29.7 %	INVESTMENTS	4.3 %



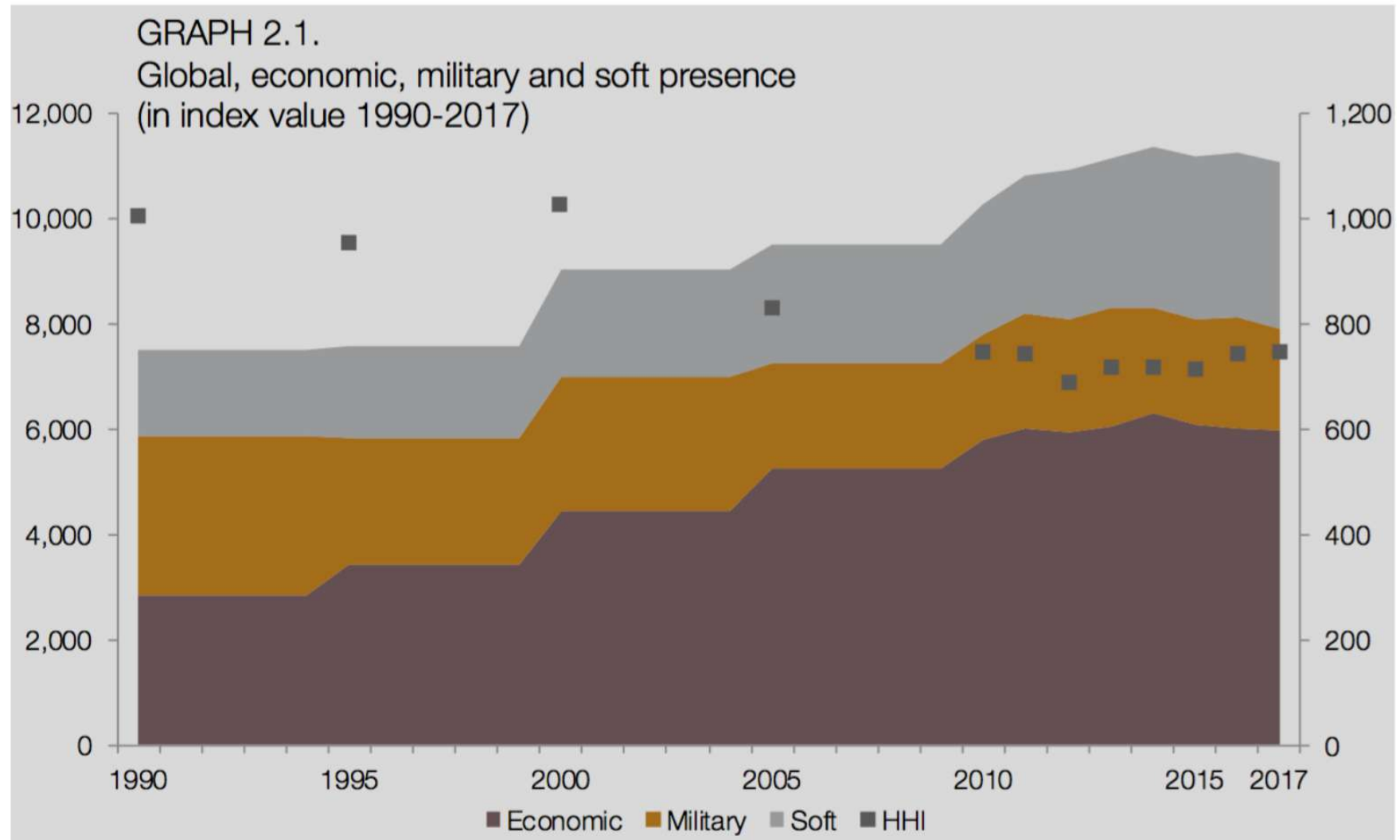
 Nigeria 2017



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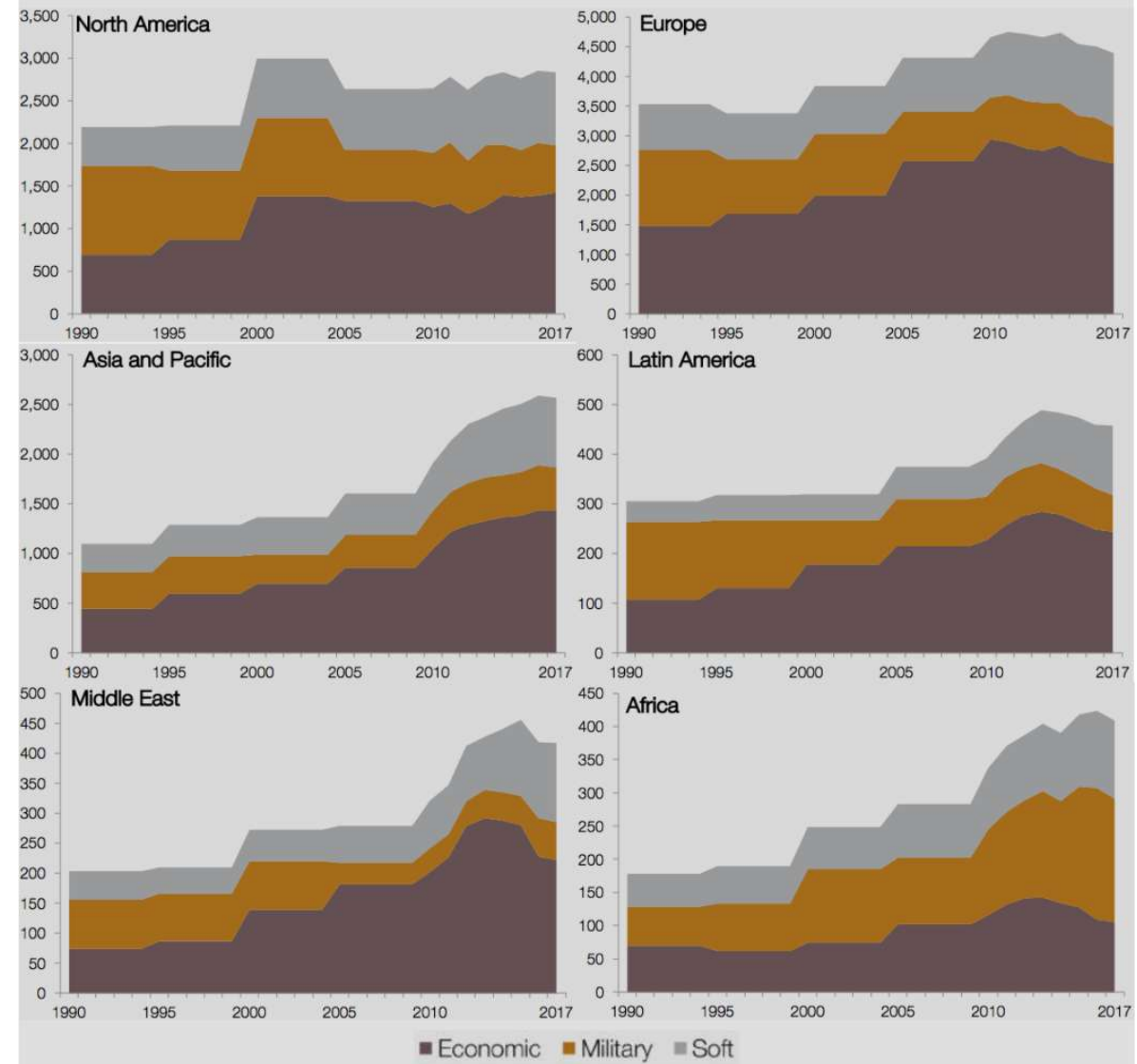


3.1 Addition of de index: globalization trends

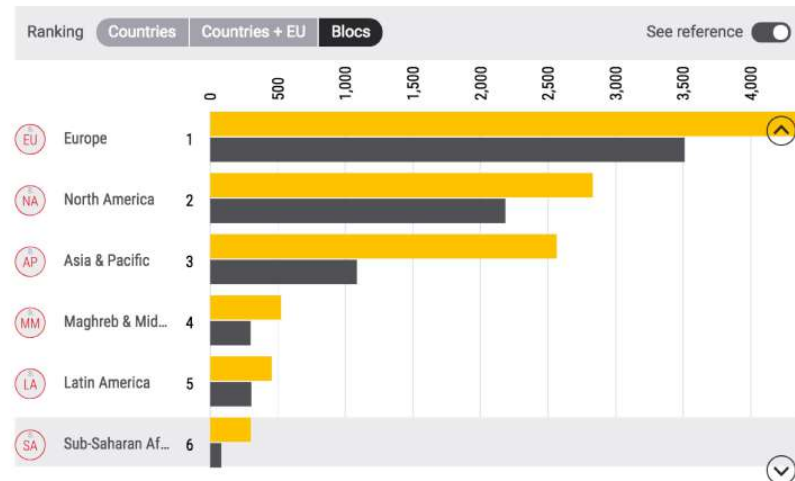


3.2 Regional analysis: comparison between regions...

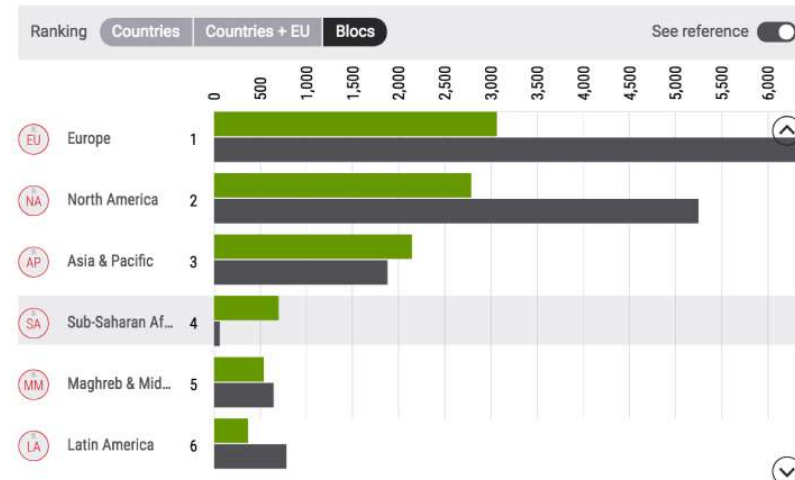
GRAPH 2.3. Global, economic, military and soft presence by regions (in index value, 1990-2017)



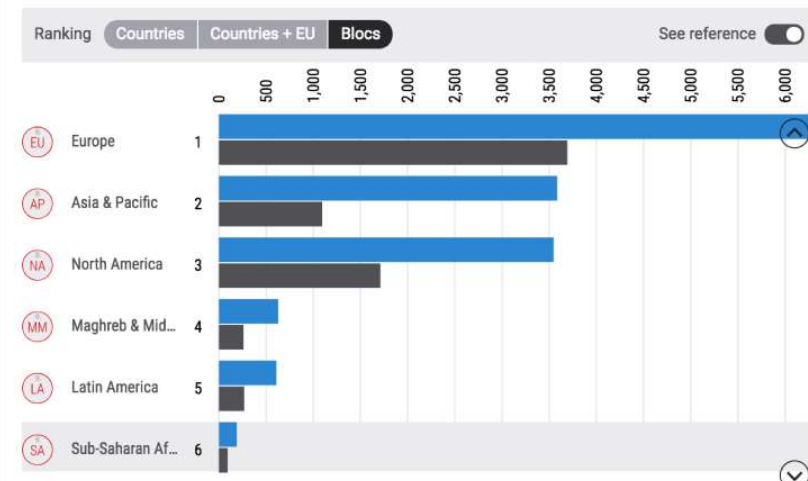
Elcano Global Presence Index



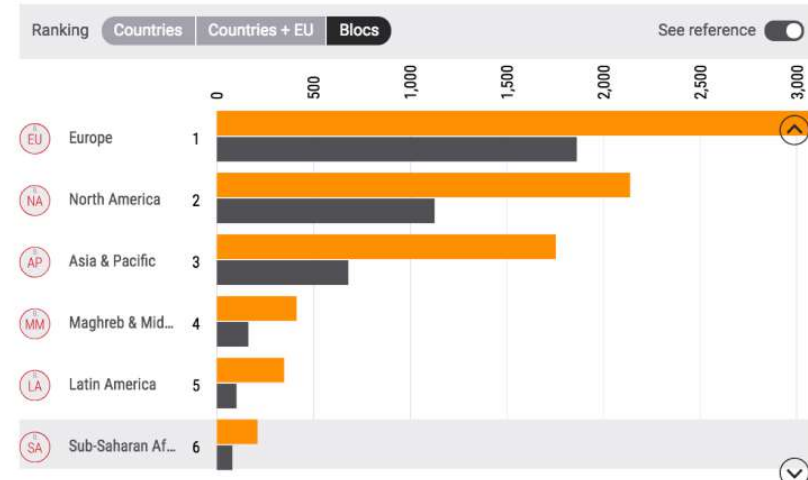
Military presence



Economic presence

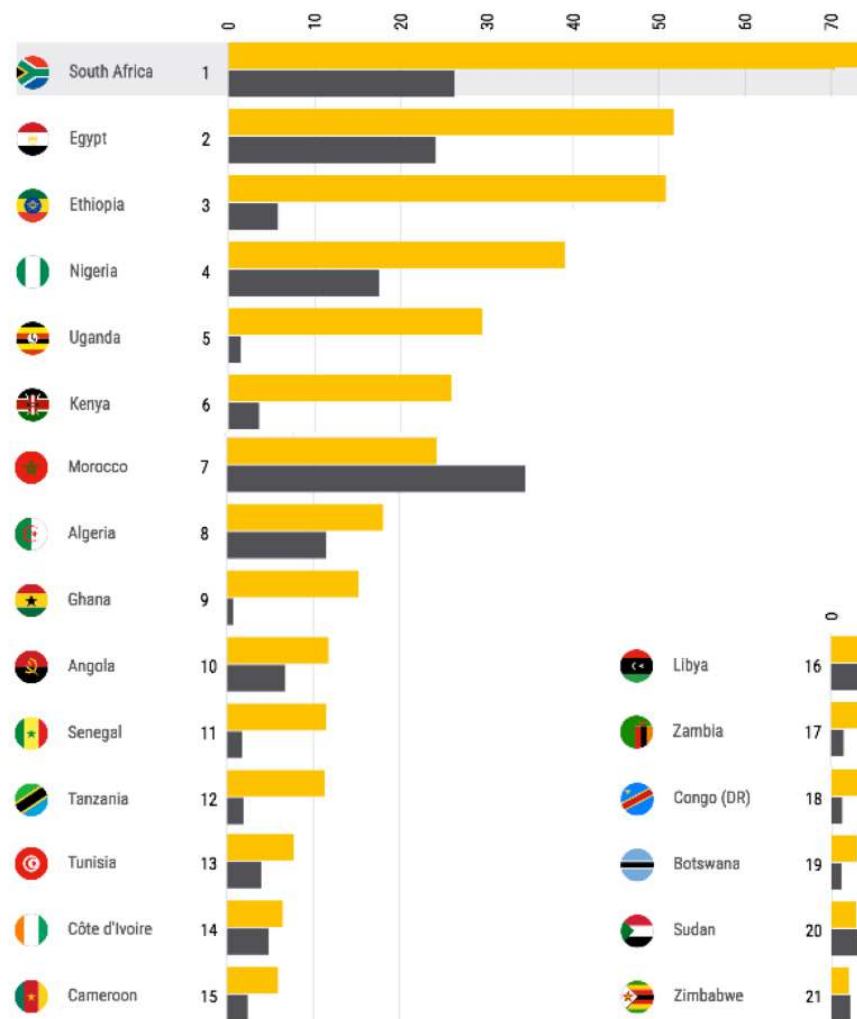


Soft presence



Elcano Global Presence Index

Ranking **Countries** Countries + EU Blocs See reference ☐



... And within them

[Source](#)

3.3 Comparability of global presence and European presence

GLOBAL PRESENCE FACING EUROPEAN PRESENCE

Year 2017



Ranking 11th



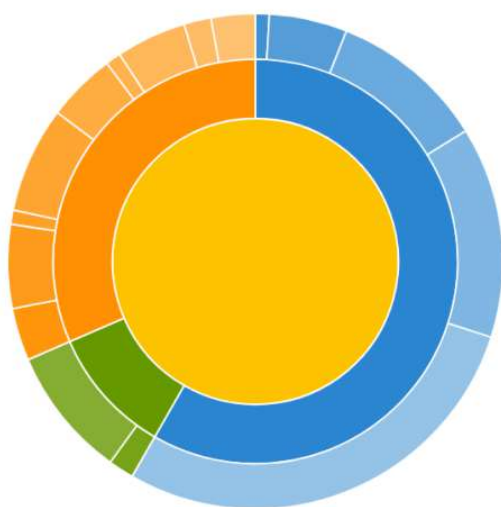
233.7 GLOBAL PRESENCE

INDEX VALUE

EUROPEAN PRESENCE 268.6

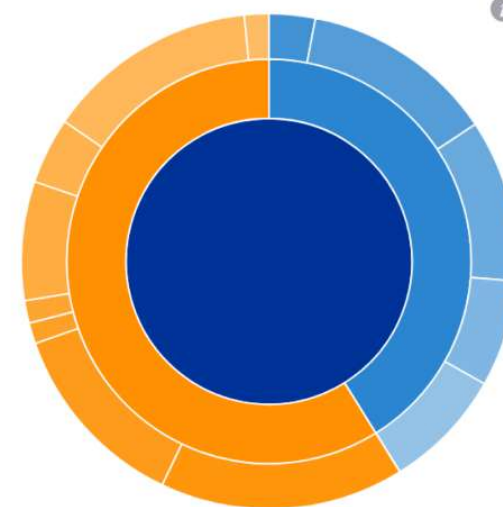


Ranking 7th



Spain 2017

INDEX VALUE	PRESENCE CONTRIBUTION	VARIABLE	PRESENCE CONTRIBUTION	INDEX VALUE
233.7	--	GLOBAL / EUROPEAN PRESENCE	--	268.6
340.5	58.3 %	ECONOMIC PRESENCE	41.1 %	276.3
119.4	10.2 %	MILITARY PRESENCE	--	--
184.0	31.5 %	SOFT PRESENCE	58.9 %	395.2

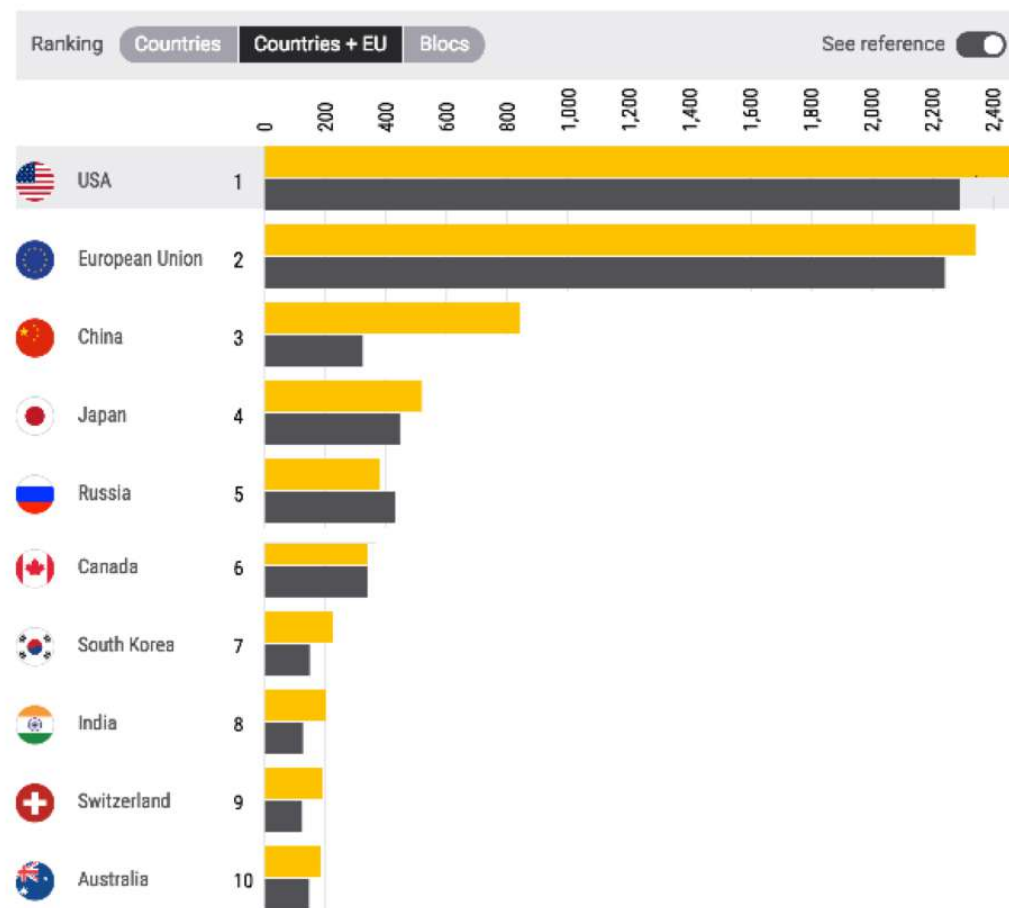


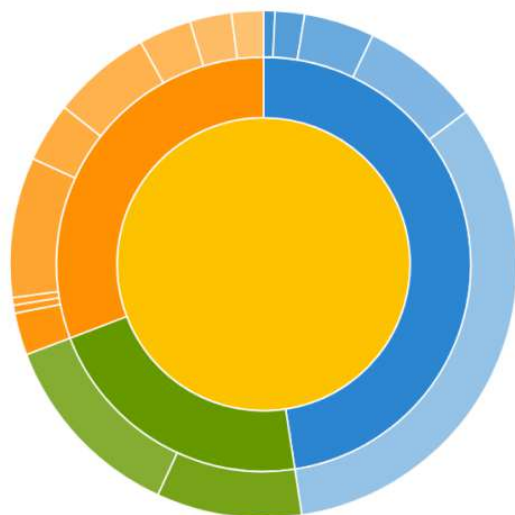
Spain 2017

3.4 The inclusion of the European Union



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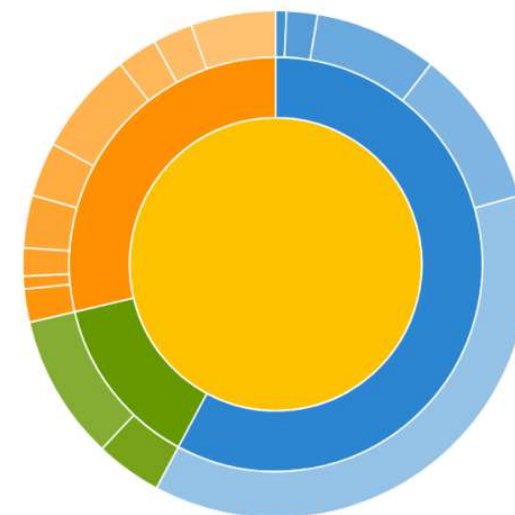




 United States of America 2017

 2,494.1
 INDEX VALUE
 2,343.5
 

PRESENCE CONTRIBUTION	VARIABLE	PRESENCE CONTRIBUTION
--	GLOBAL PRESENCE	--
47.6 %	ECONOMIC PRESENCE	57.8 %
21.6 %	MILITARY PRESENCE	13.5 %
30.8 %	SOFT PRESENCE	28.7 %



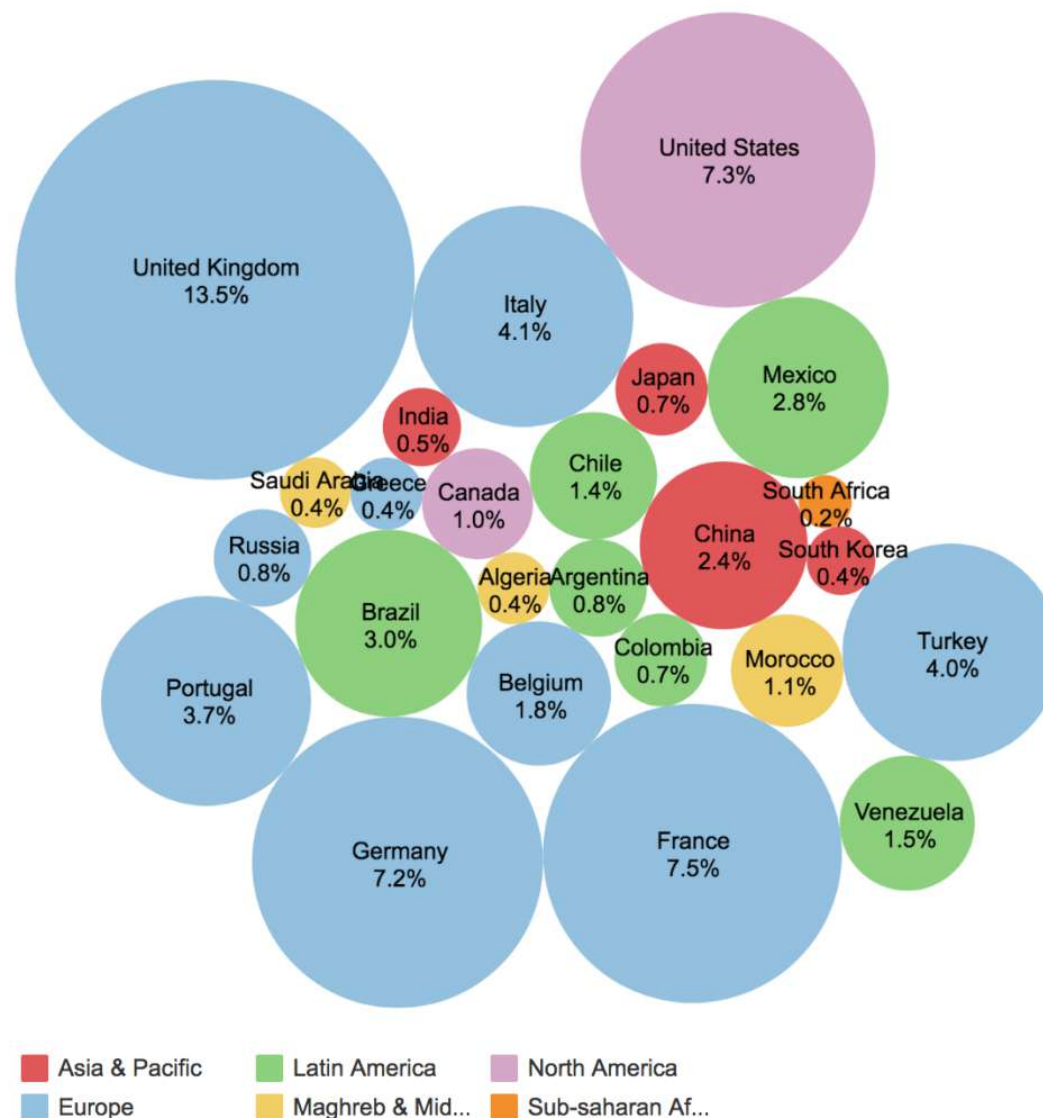
 European Union 2017

3.5 Spain's presence breakdown by origin...

	2016	2010	2005	PIB (2016)
Comunidad de Madrid	29,1	34,8	30,2	18,9
Cataluña	19,6	18,3	18,5	19,0
Andalucía	10,1	8,6	10,1	13,3
Comunidad Valenciana	7,1	6,7	7,8	9,4
País Vasco	6,5	6,6	6,9	6,2
Galicia	4,8	4,5	4,8	5,2
Cantabria	4,2	4,0	3,7	1,1
Castilla y León	2,9	2,6	3,3	5,0
Canarias	2,8	2,1	2,2	3,8
Islas Baleares	2,5	2,1	1,9	2,6
Aragón	2,1	2,0	2,4	3,1

International allocation of Spanish global presence (2016; as a % of total global presence)

... And destination.



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