

EUROPE IN THE WORLD

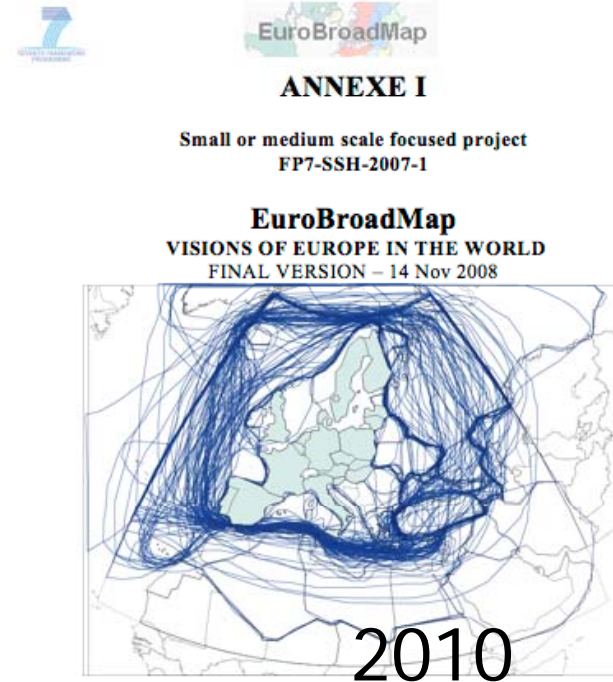
Claude GRASLAND

Contribution of ESPON to EU policies
Brussels, 6 May 2009



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A long term research



Work programme topics addressed:

Area 8.4.3: Europe's changing role in the world

Topics: SSH-2007-4.3.1 Europe seen from outside

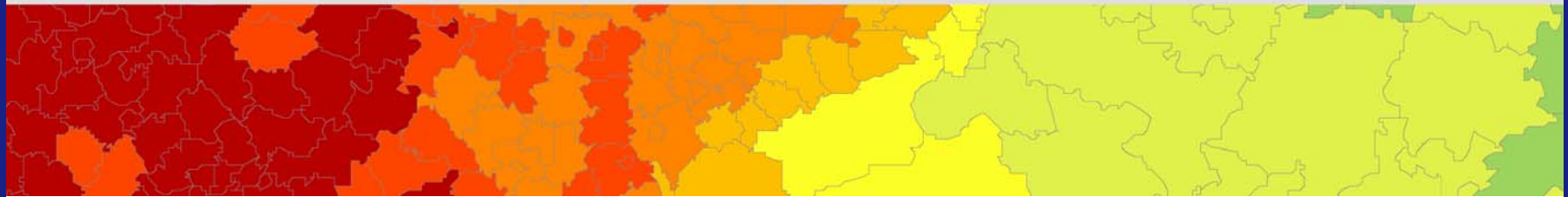
Target Outcome: Survey on mental maps of the world in general and Europe in particular

Names of the coordinating persons:

Scientific coordinator: Prof. Claude ~~Grasland~~

Deputy scientific coordinator: Dr. Clarisse ~~Didelon~~

Common address for mailing to the coordinators: coordinator@eurobroadmap.eu



Part I

MULTISCALAR ANALYSIS & TERRITORIAL COHESION



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The information cube

Scale dimension:

- Local (1 to 10 km)
- Medium (10 to 1000 km)
- Global (1000 to 10 000 km)

Time dimension:

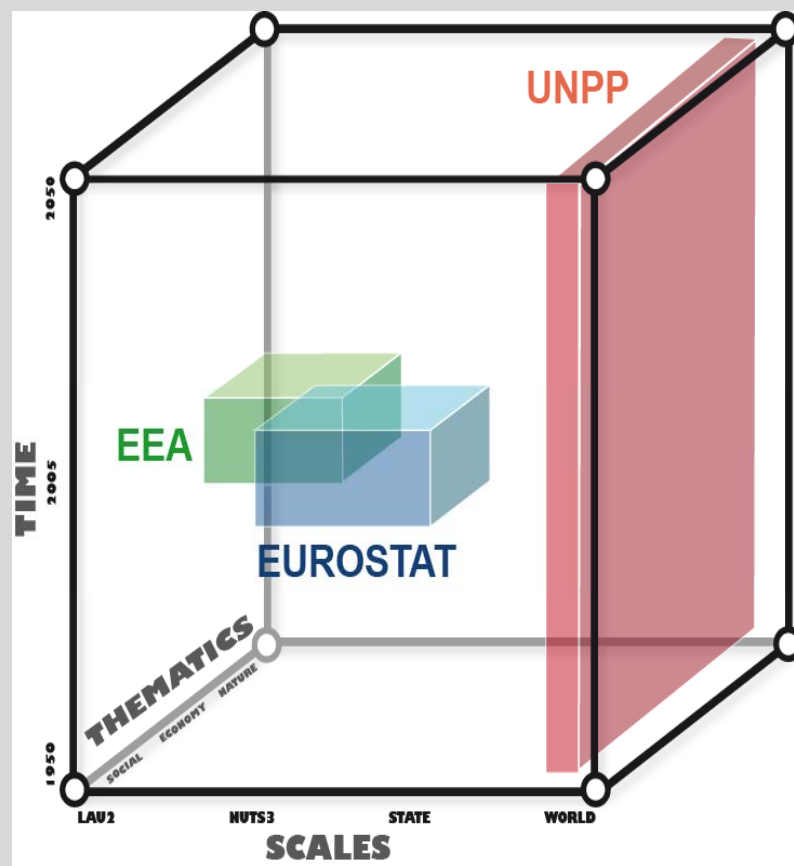
- Short term (1995-2015)
- Medium term (1980-2020)
- Long Term (1950 – 2050)

Thematic dimension :

- Economic competitiveness
- Sustainable environment
- Social cohesion

Geographical object :

- *Administrative units*
- *Grids*
- *Cities & Networks*



The information cube of ESPON Database 2006

Scale dimension:

- Local (Zooms)
- **Medium (Nuts2 / Nuts3)**
- Global (Europe in the World)

Time dimension:

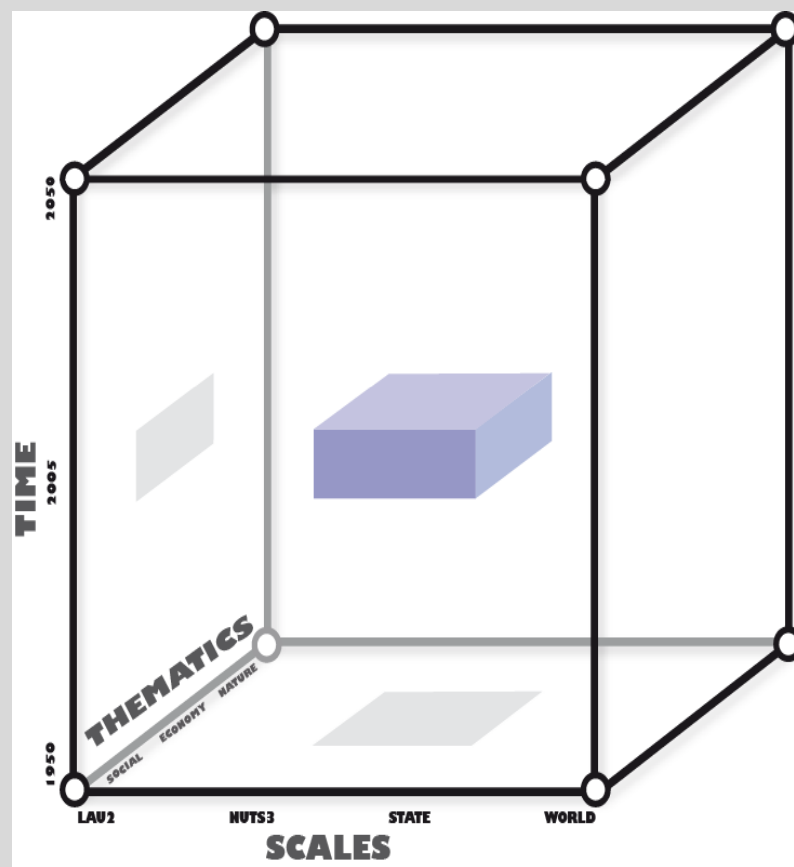
- **Short term (1995-2003)**
- Medium term (demography)
- Long term (Europe in the World)

Thematic dimension :

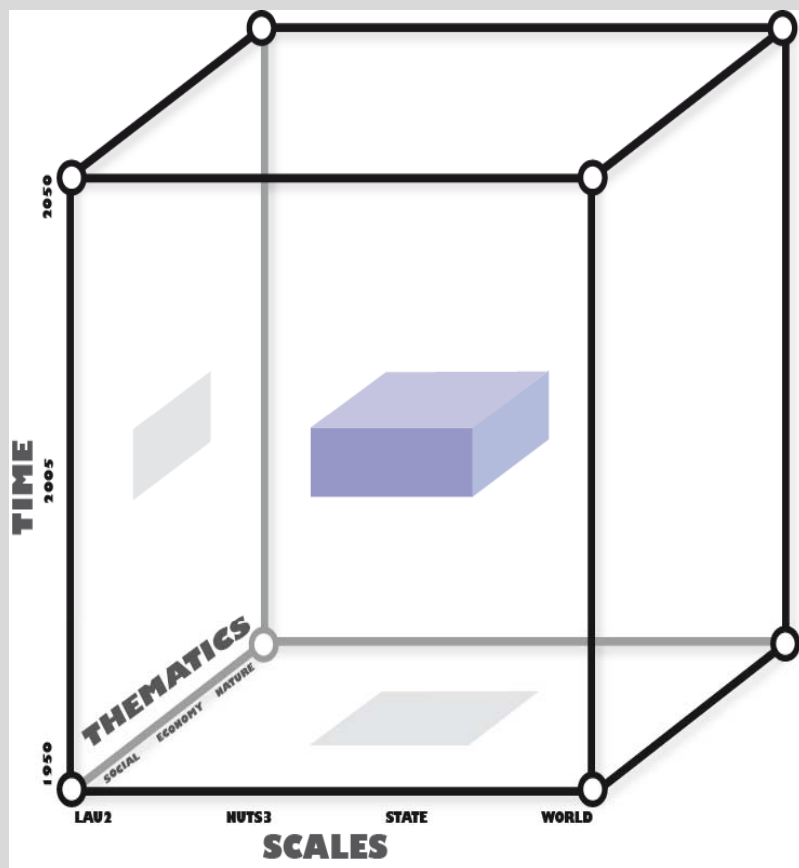
- **Economic competitiveness**
- Sustainable environment
- Social cohesion

Geographical object :

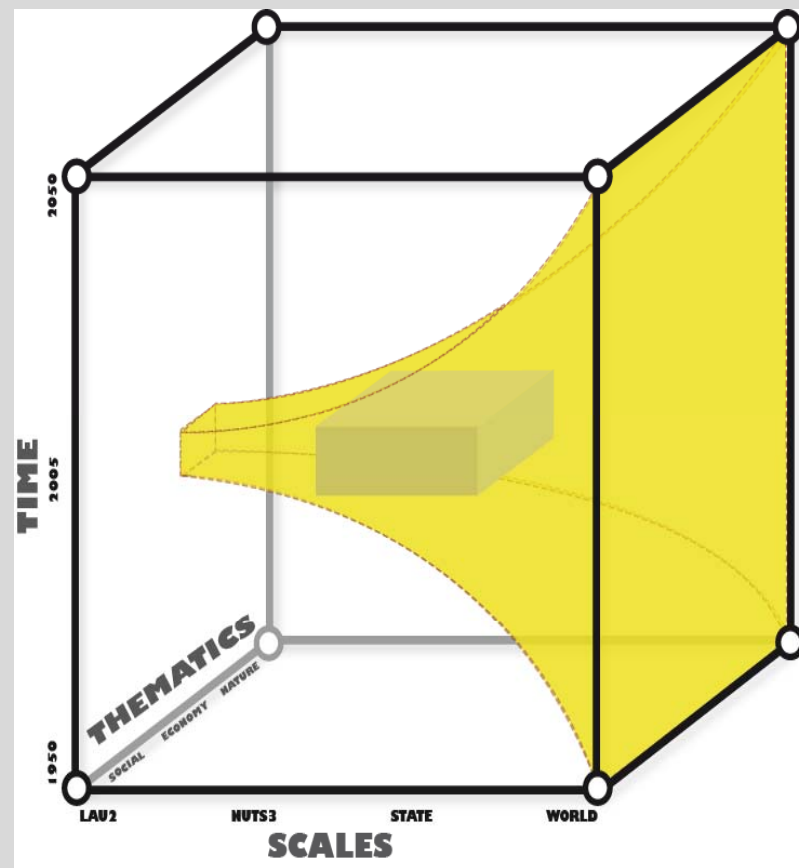
- **Administrative units**
- Cities & Networks
- Grids



The expected information cube of ESPON Database 2013

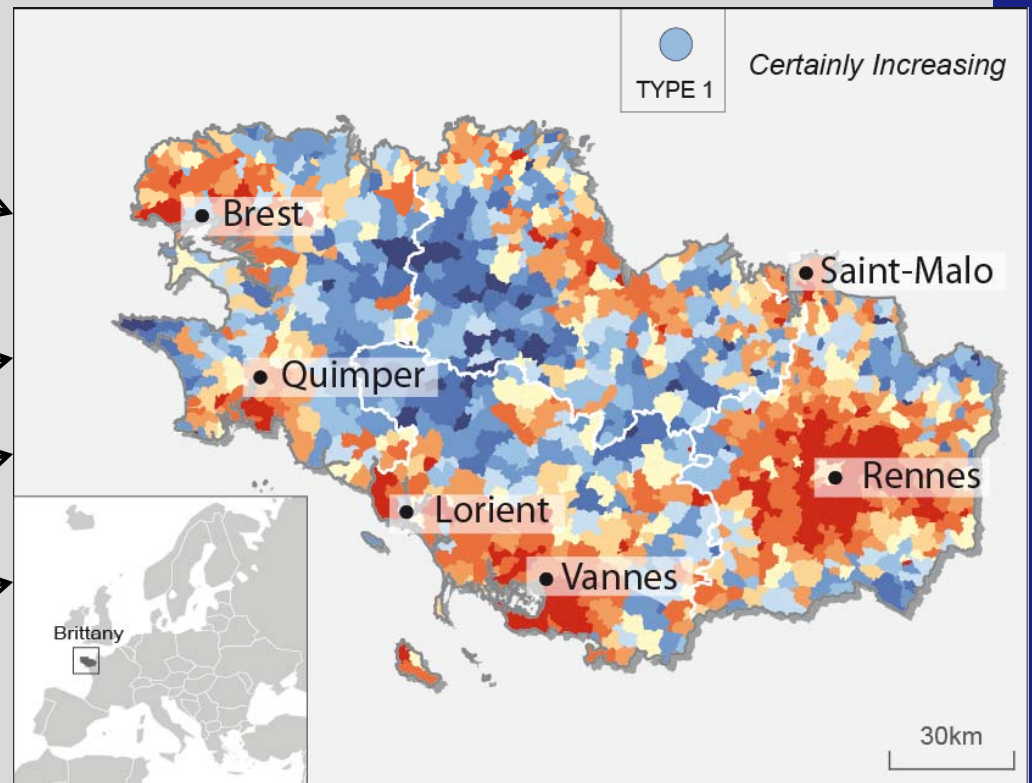
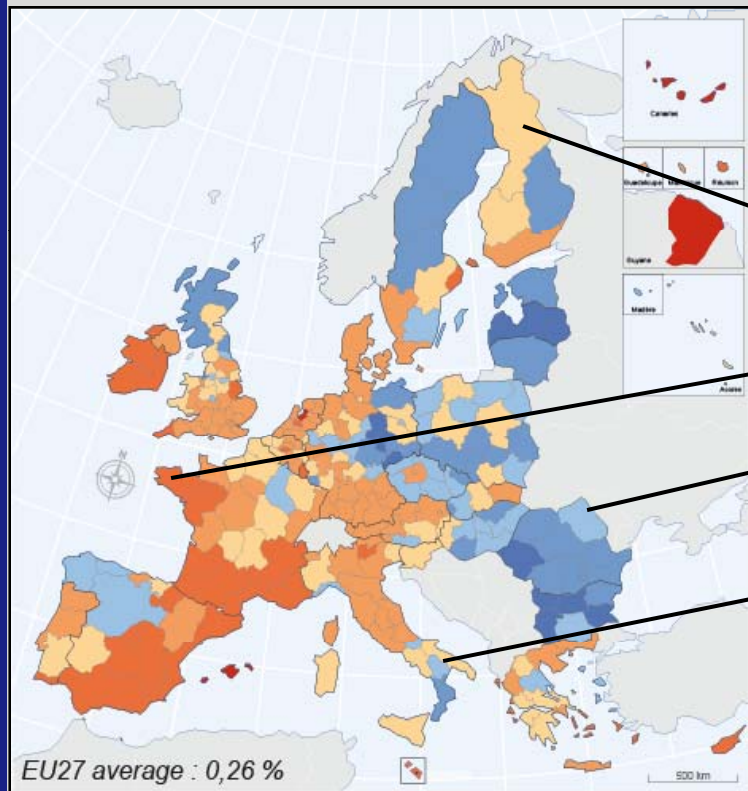


ESPON DB 2006

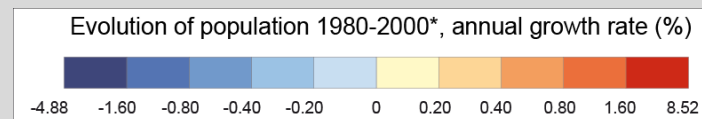
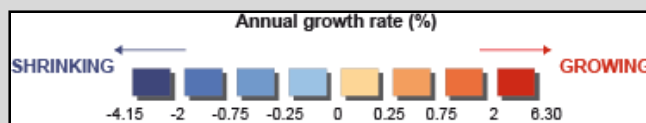


ESPON DB 2013

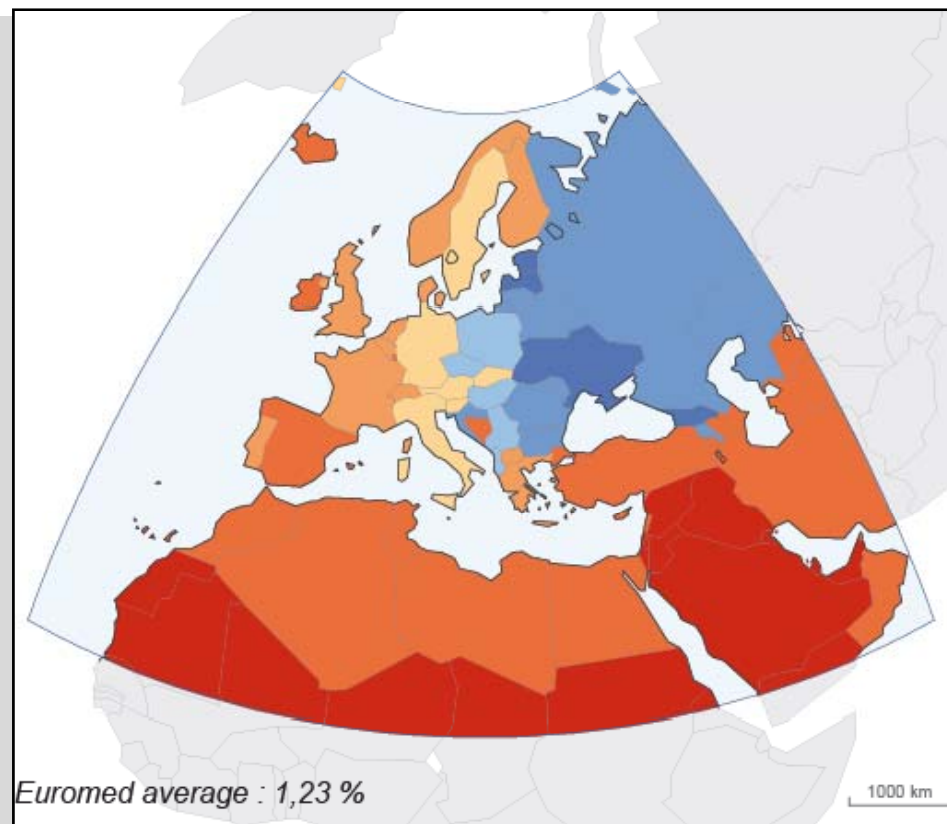
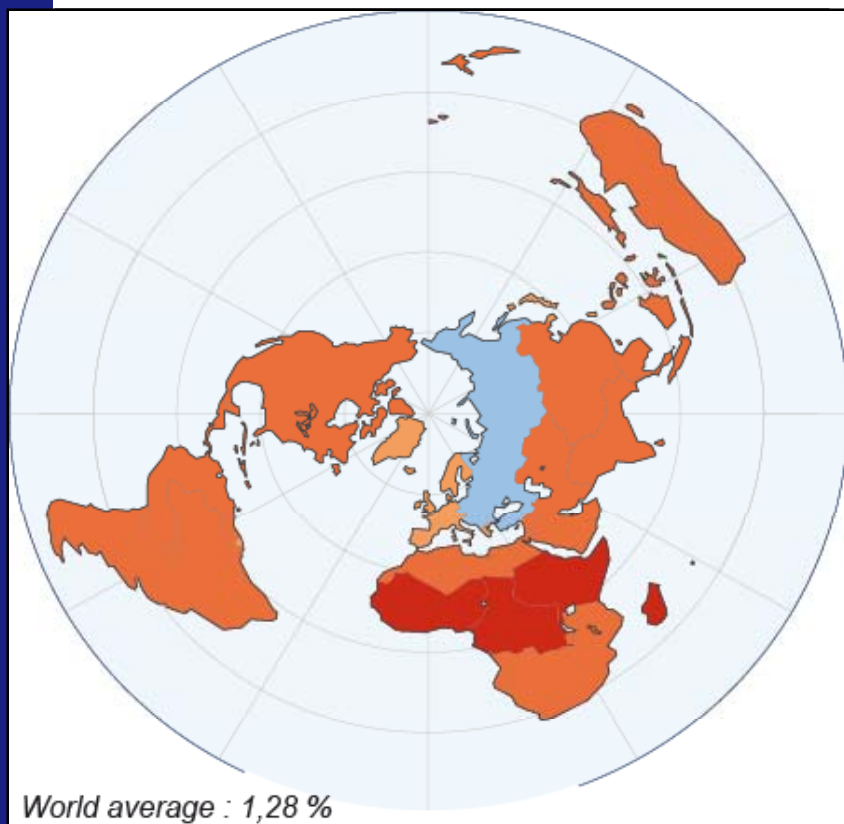
ZOOM-IN = looking at infra-regional trends



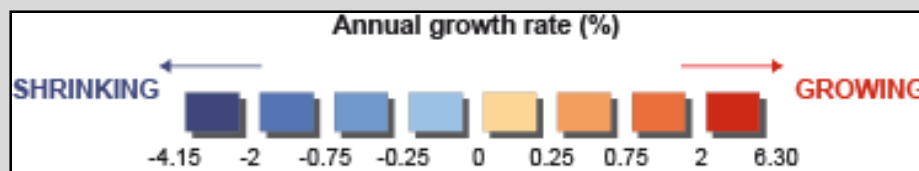
Evolution of population 1995-2005



ZOOM OUT : looking at pan-european and world trends

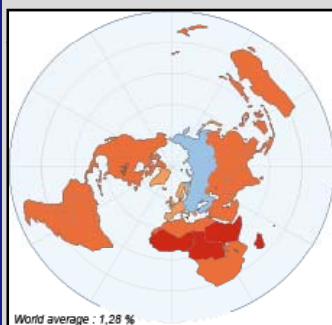


Evolution of population 1995-2005



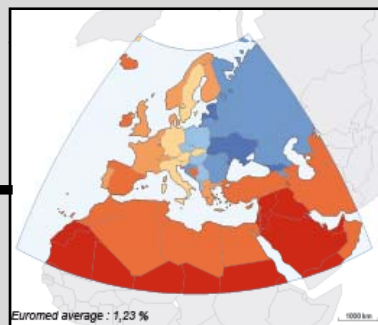
GENERAL OBJECTIVE : SUPPORT MULTISCALAR GOUVERNANCE

**GLOBAL
CONTEXT**



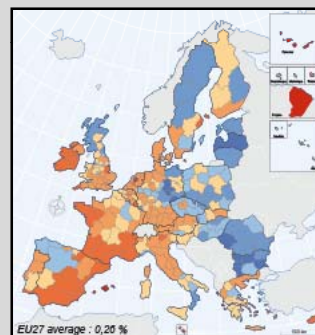
+

**NEIGHBOURHOOD
CONTEXT**



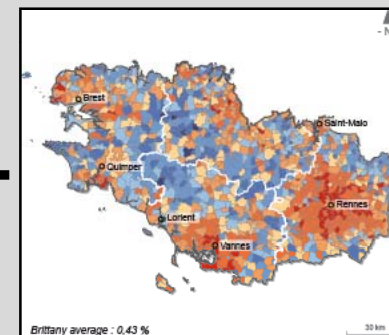
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**EUROPEAN
CONTEXT**



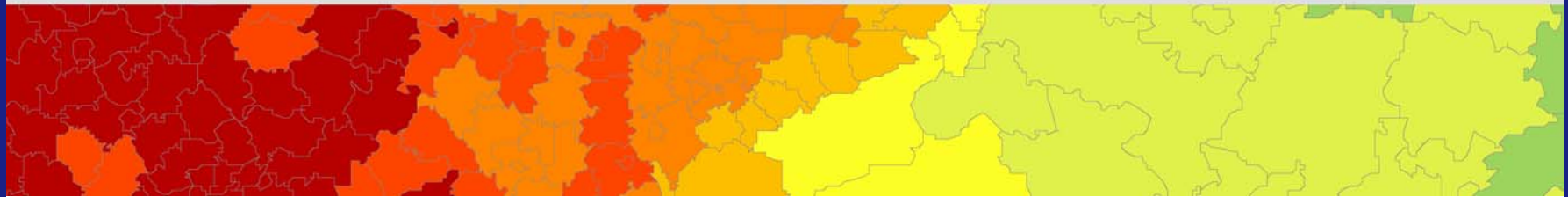
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**NATIONAL/
REGIONAL
CONTEXT**



=

**NEED TO COMBINE POLITICAL ANSWERS TO
DEMOGRAPHIC CHALLENGES AT DIFFERENT LEVELS**



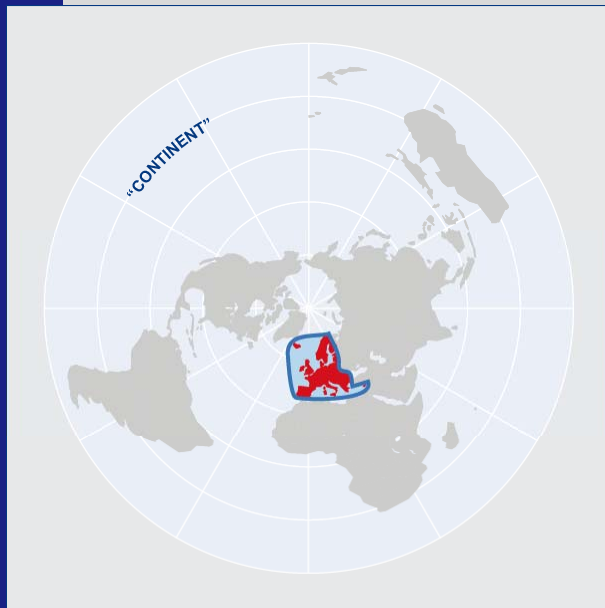
Part II

VISIONS OF EUROPE IN THE WORLD

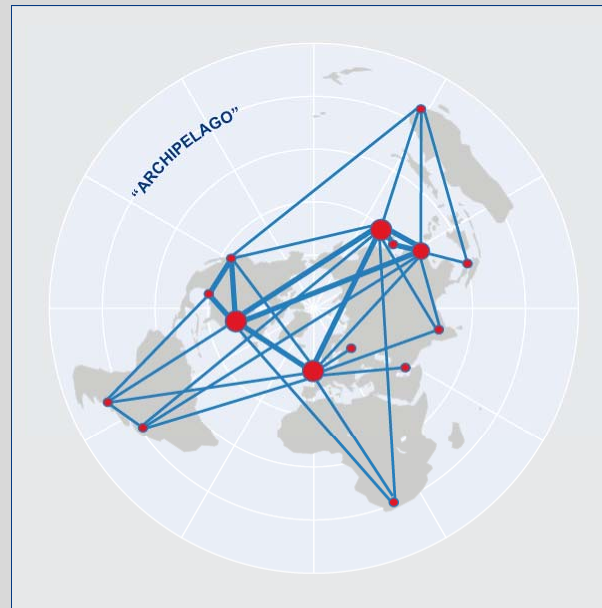


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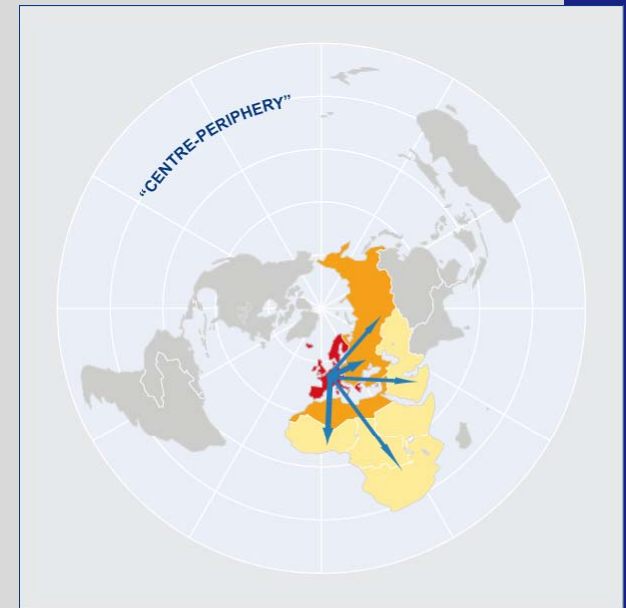
THREE VISIONS OF EU IN THE WORLD



CONTINENT

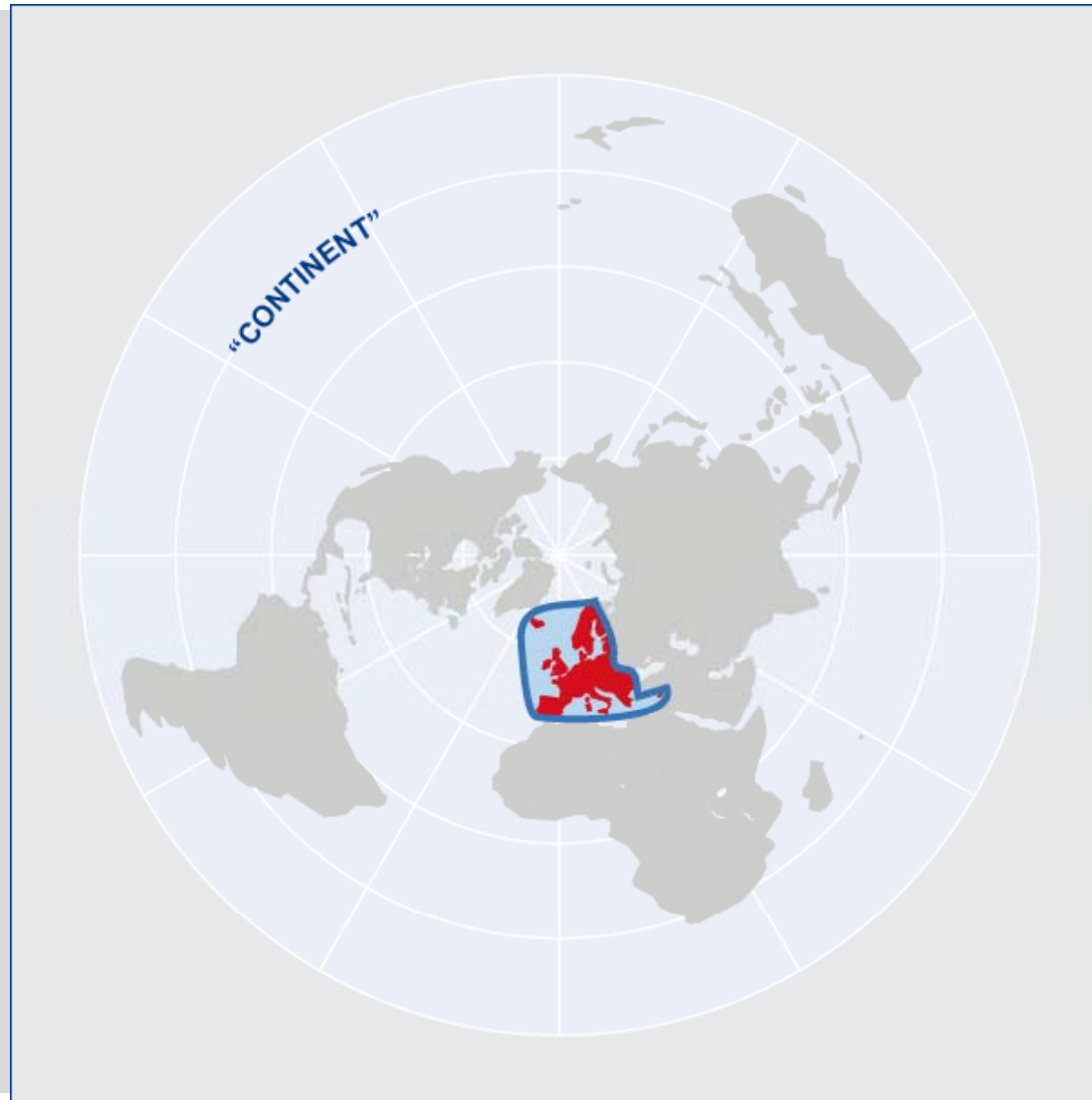


ARCHIPELAGO

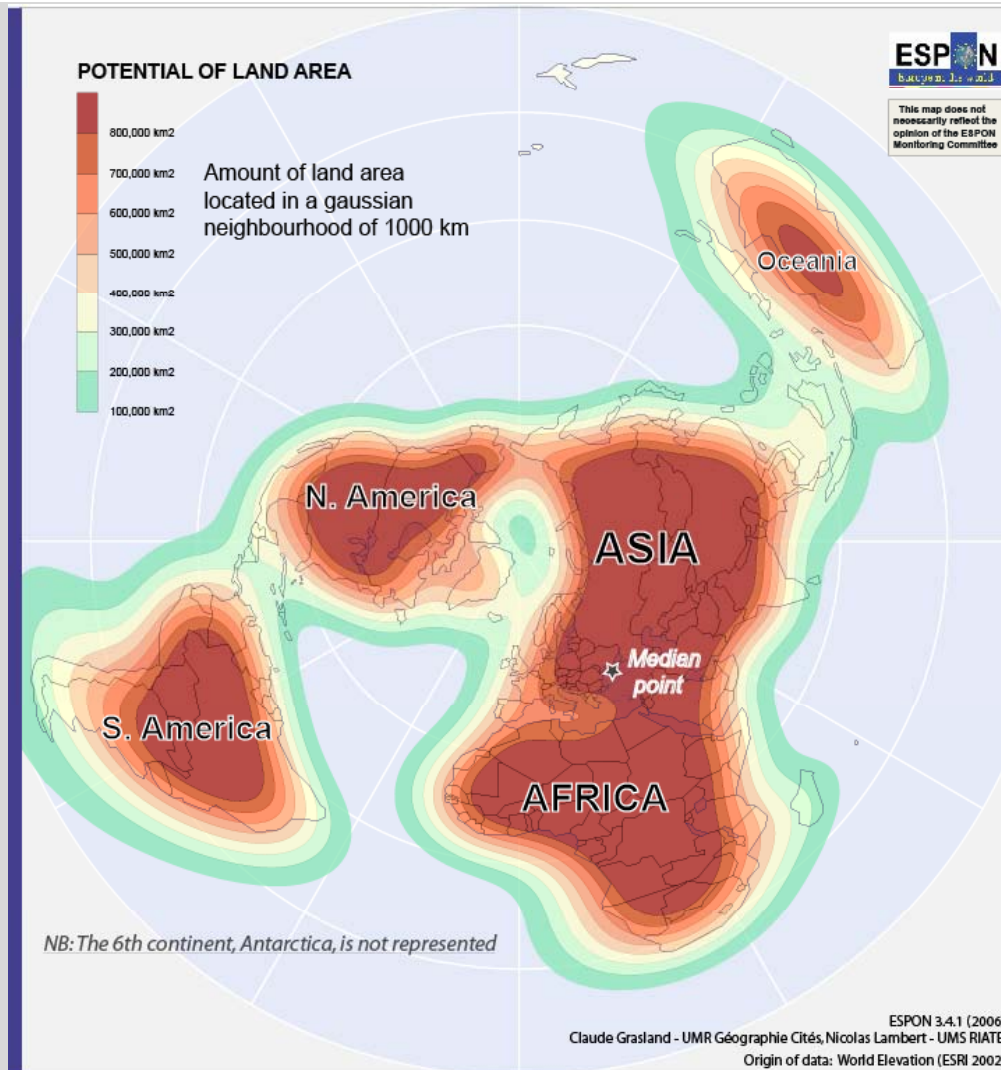


**CENTER-
PERIPHERY**

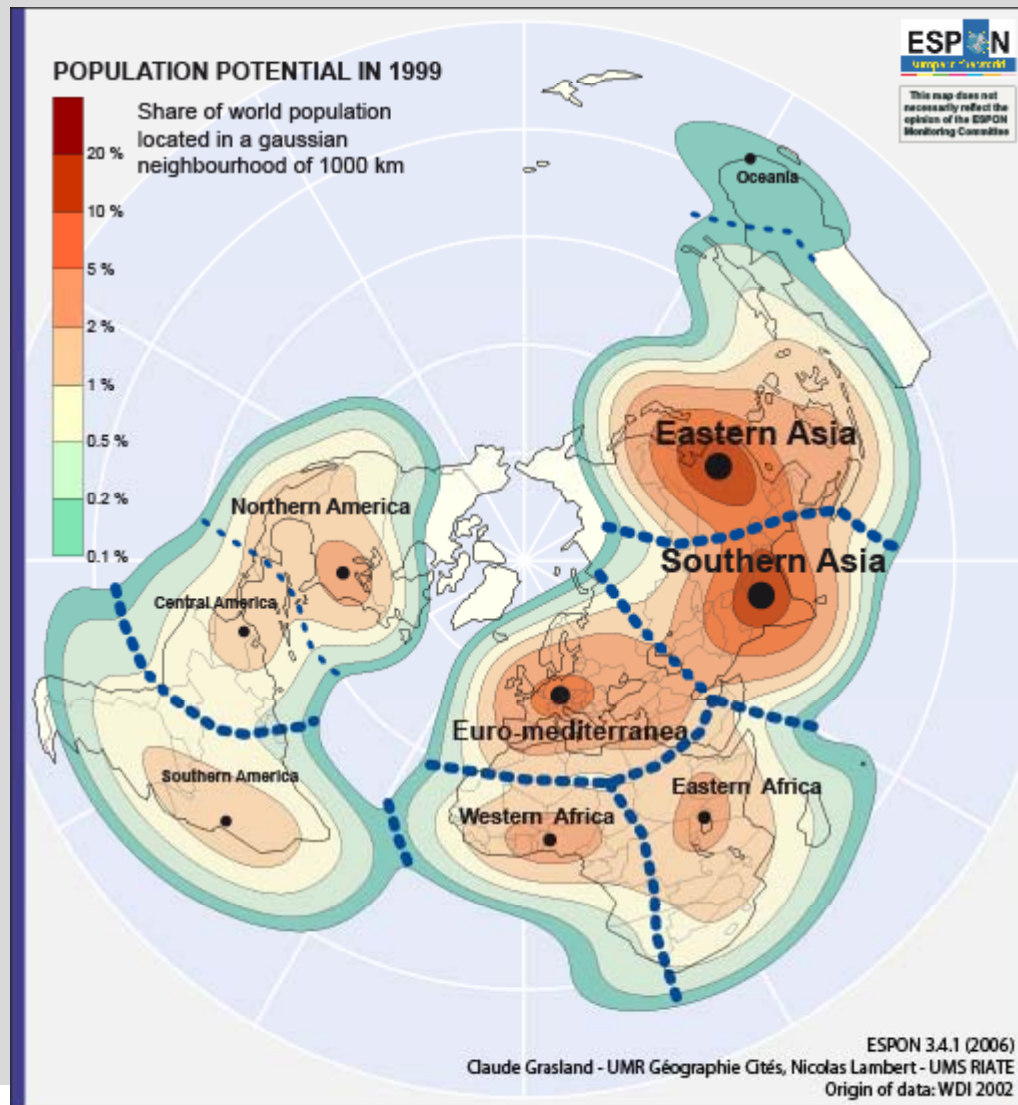
Vision n°1 : EUROPE AS A CONTINENT



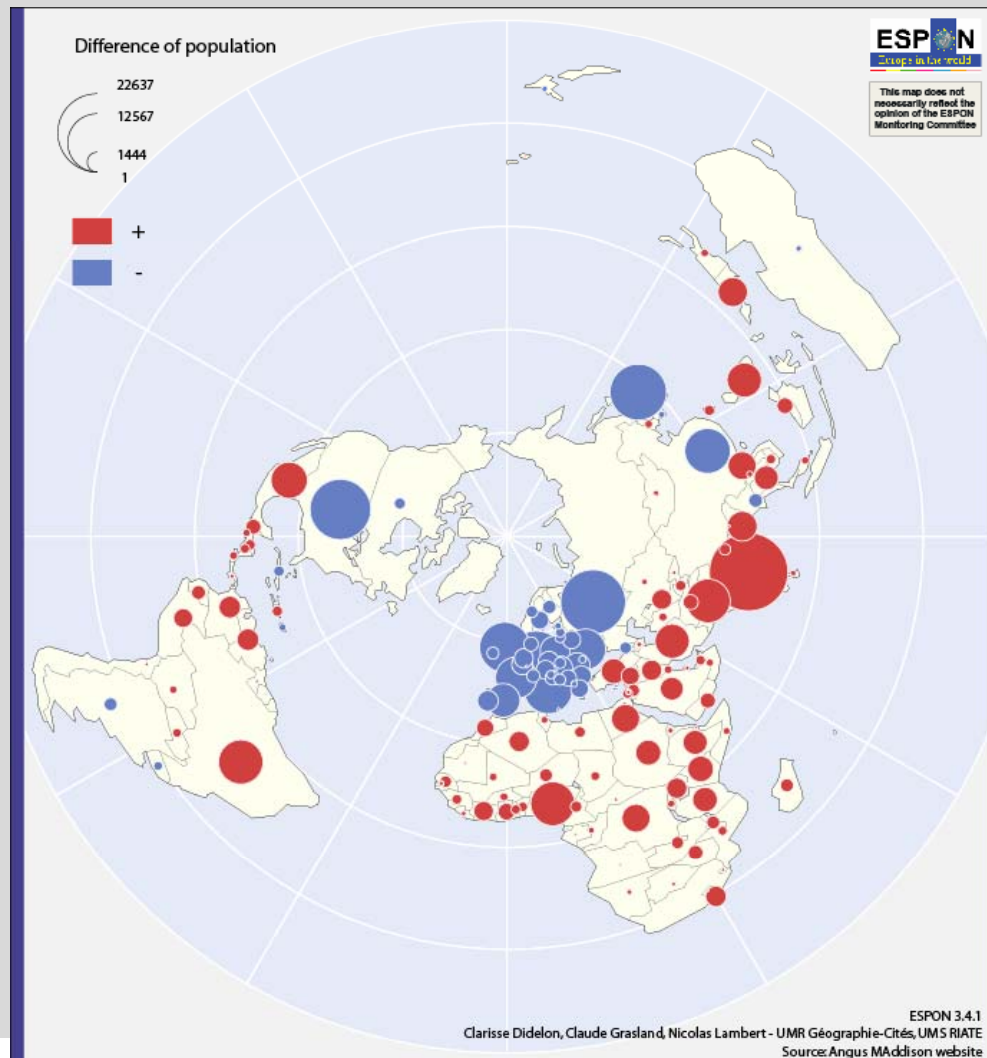
A geographic continent ?



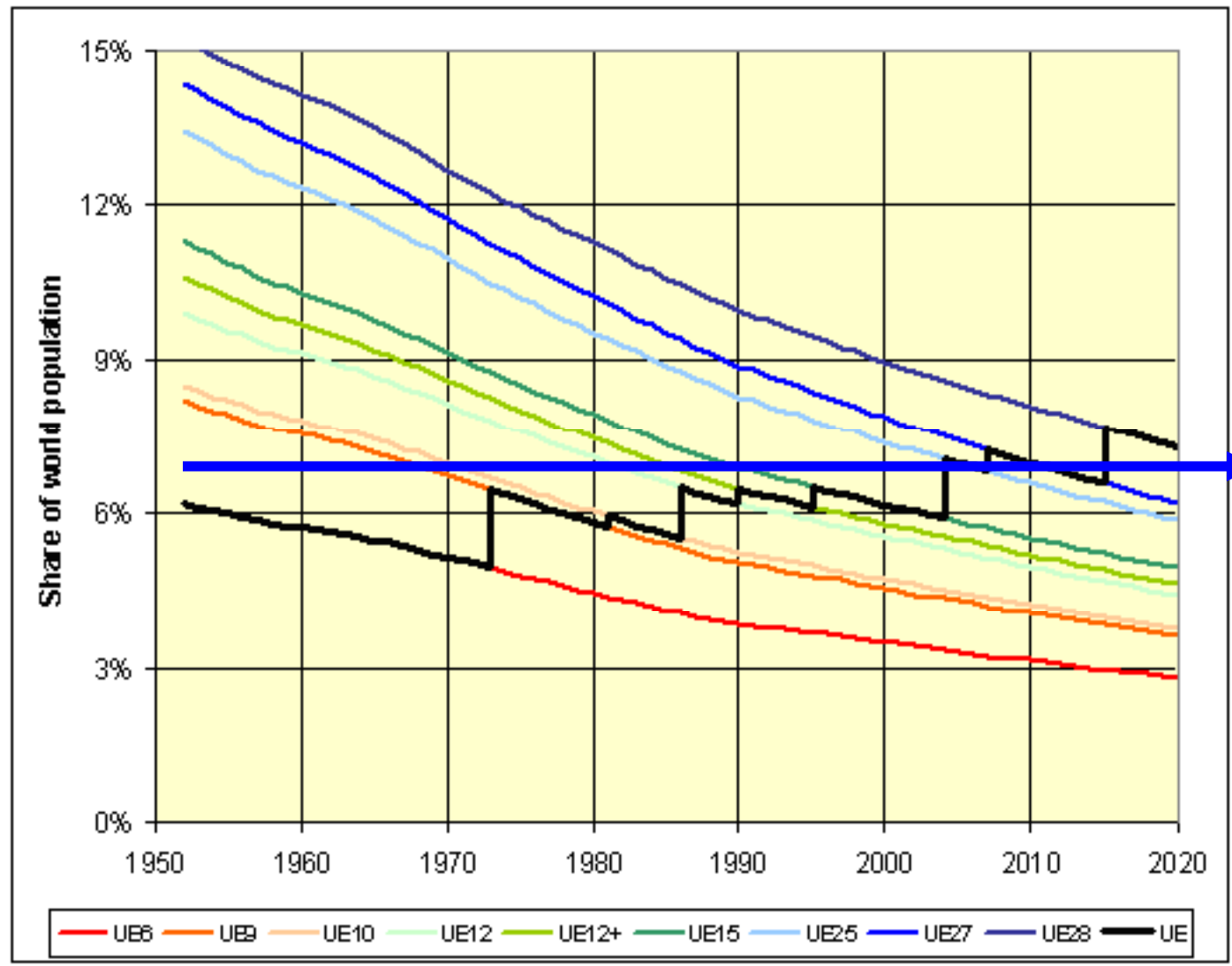
A demographic continent ?



Share of World population by state (1950-2000)

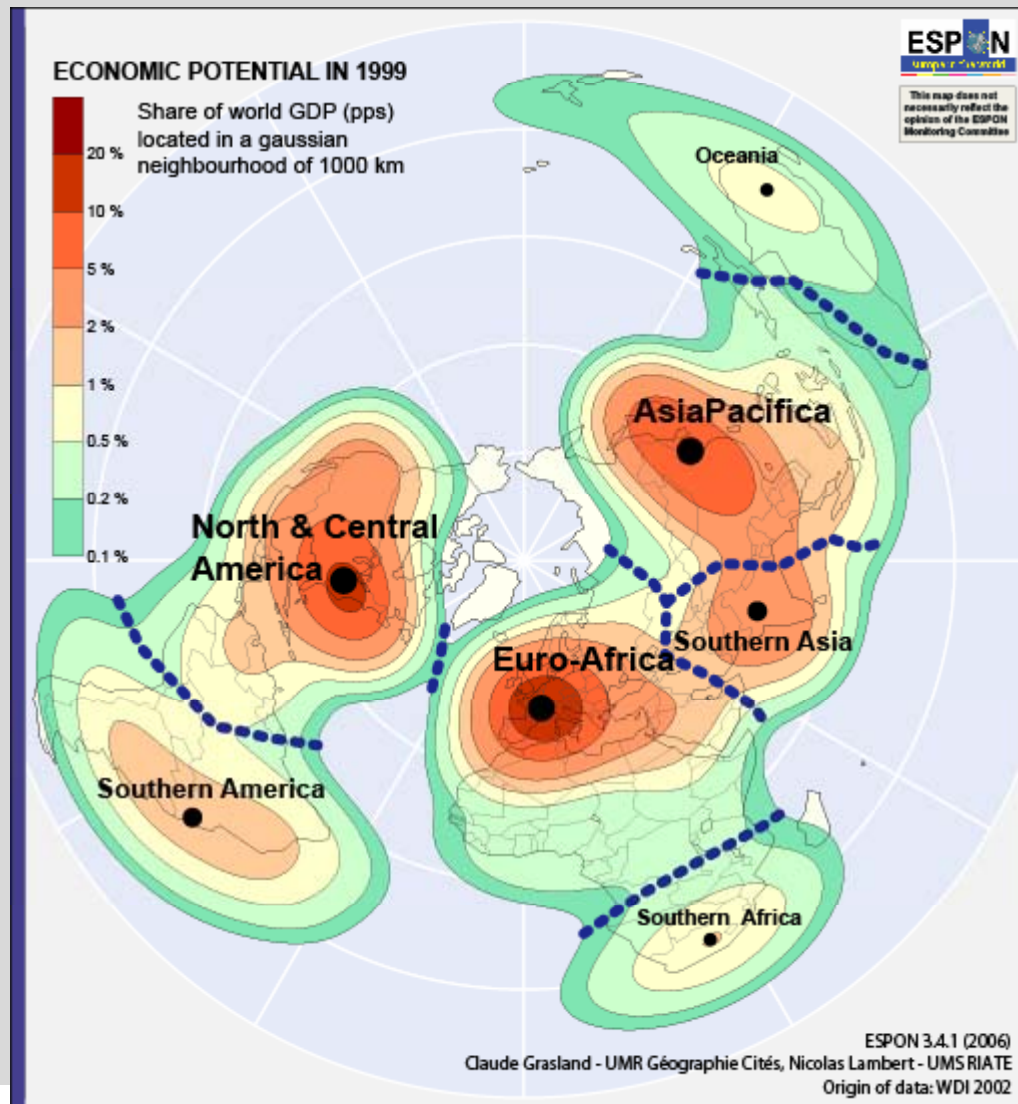


EU share of world-wide population

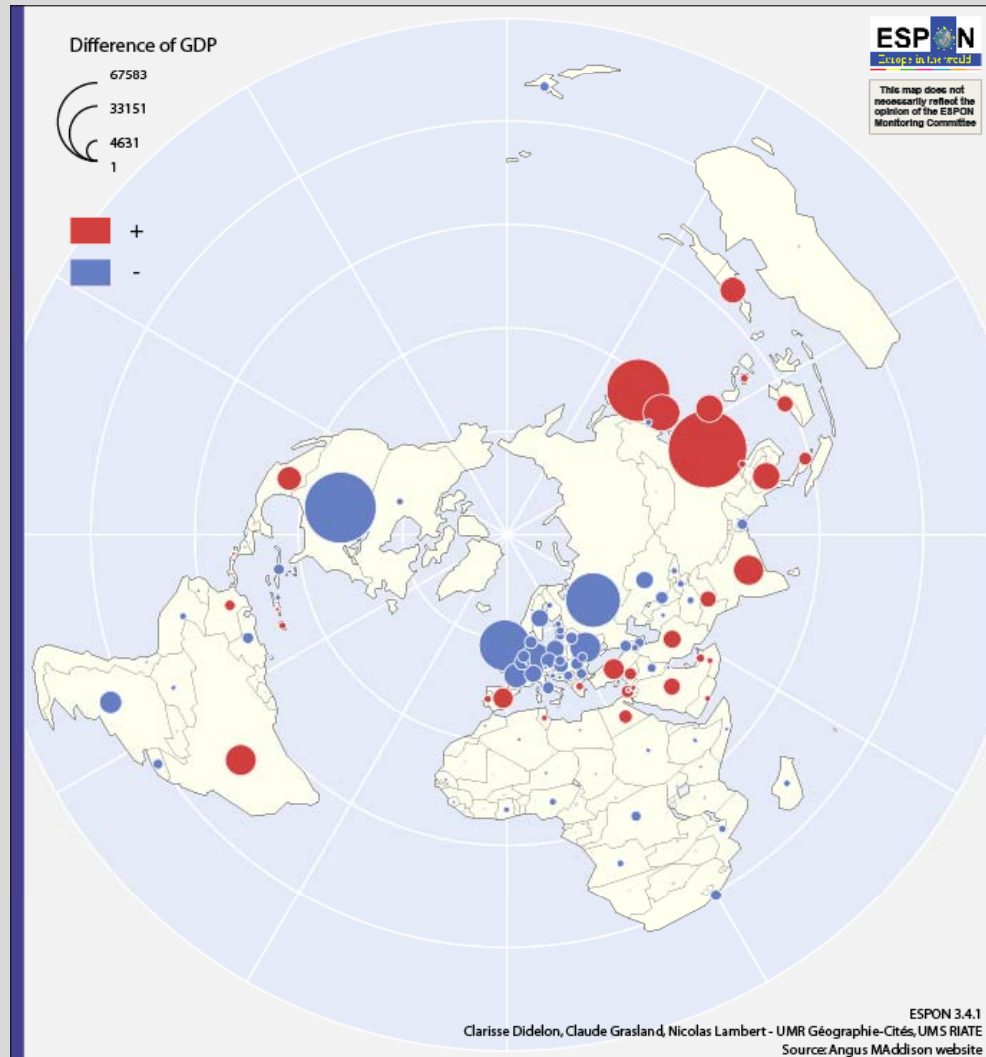


7%

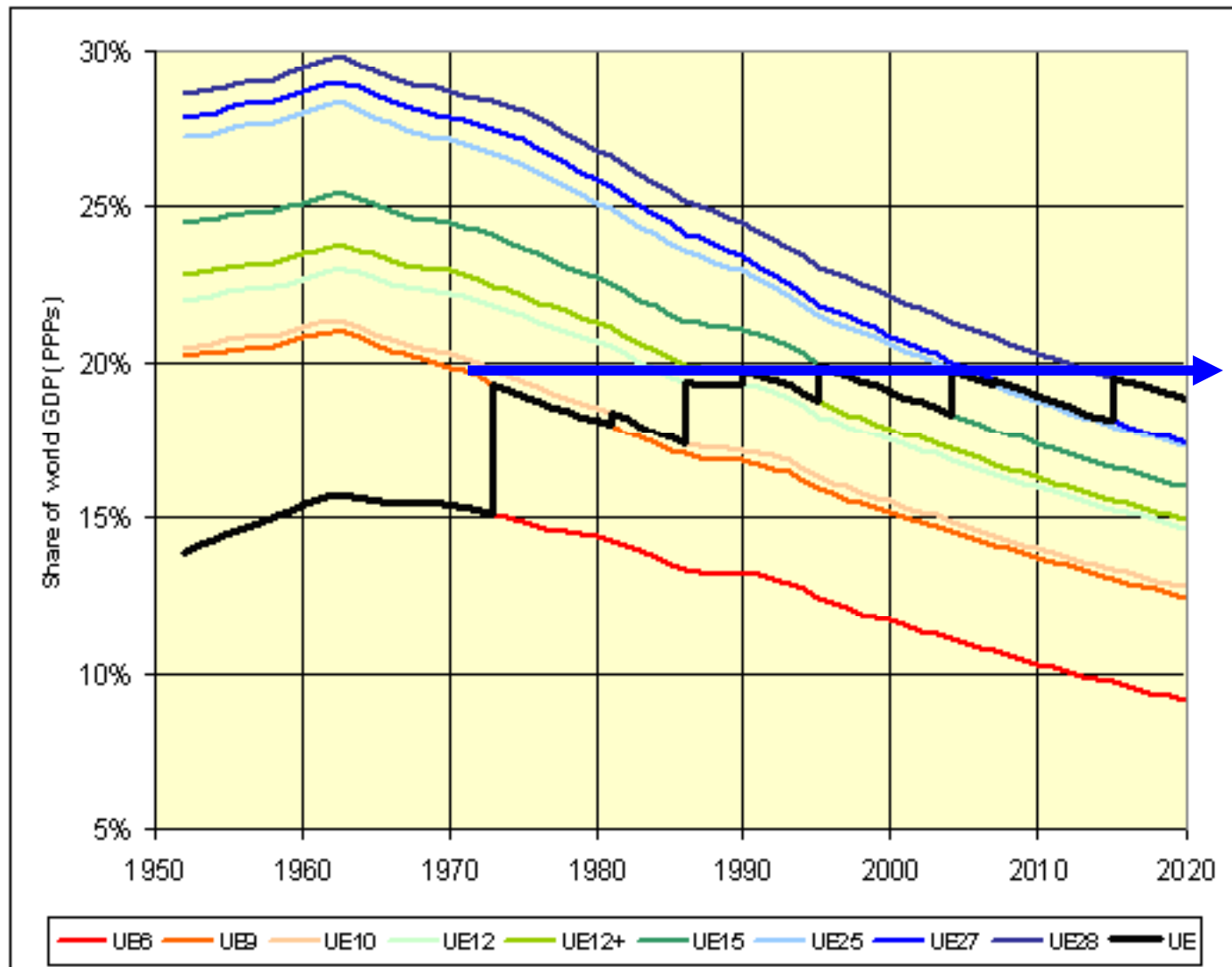
An economic continent ?



Share of World GDP pps by state (1950-2000)



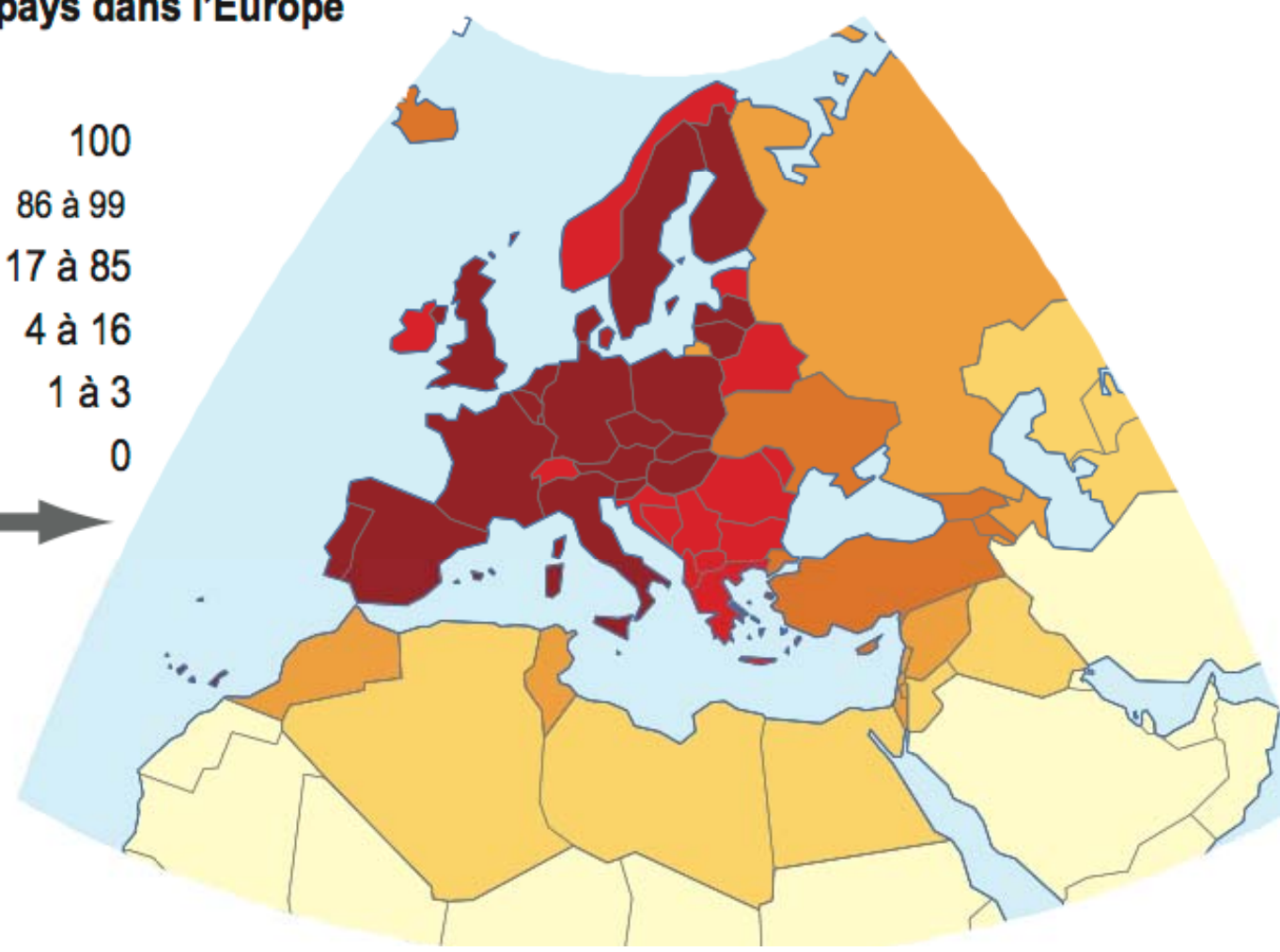
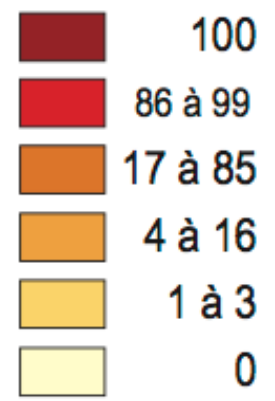
EU share of world-wide GDP pps



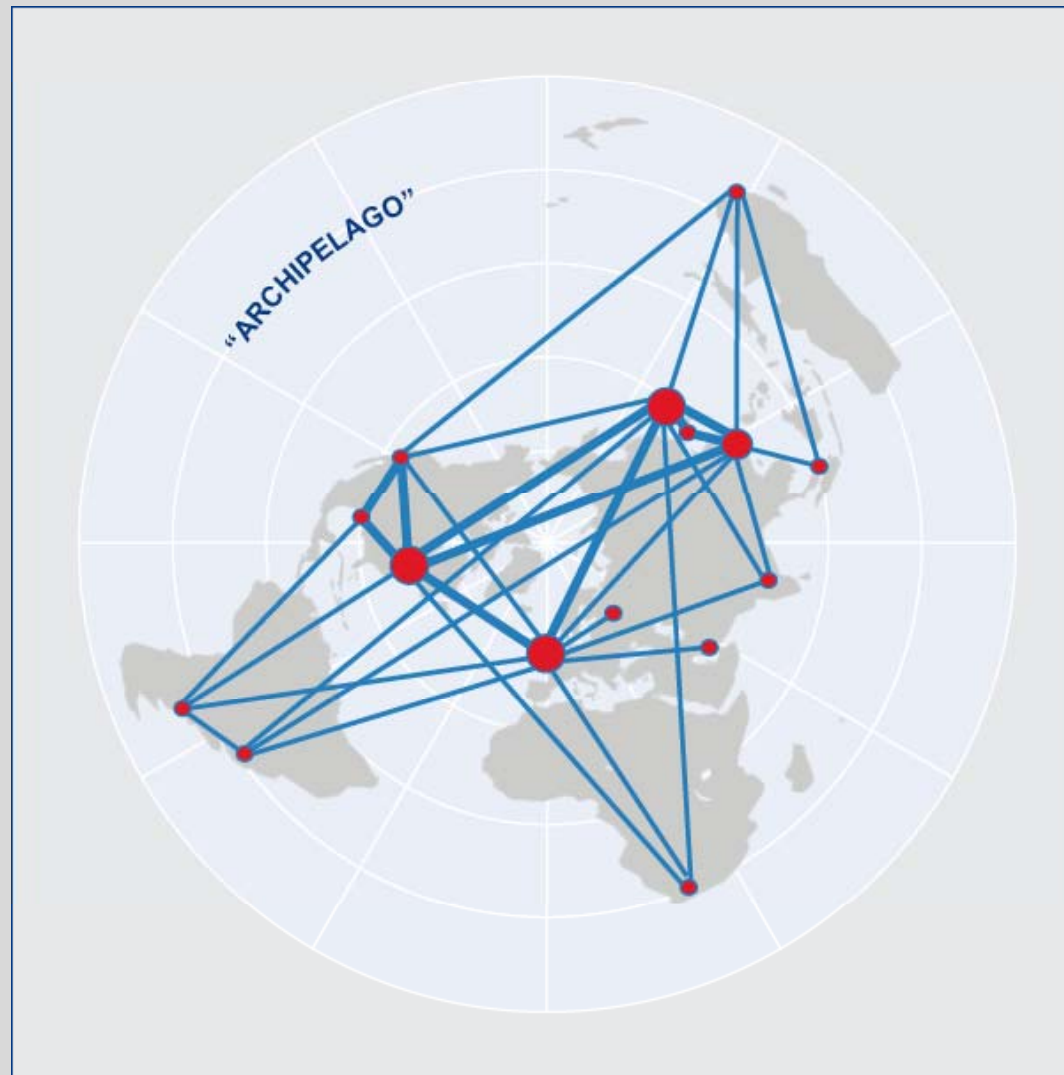
20%

A continent « in the heads » ?

Fréquence d'inclusion
des pays dans l'Europe
(%)

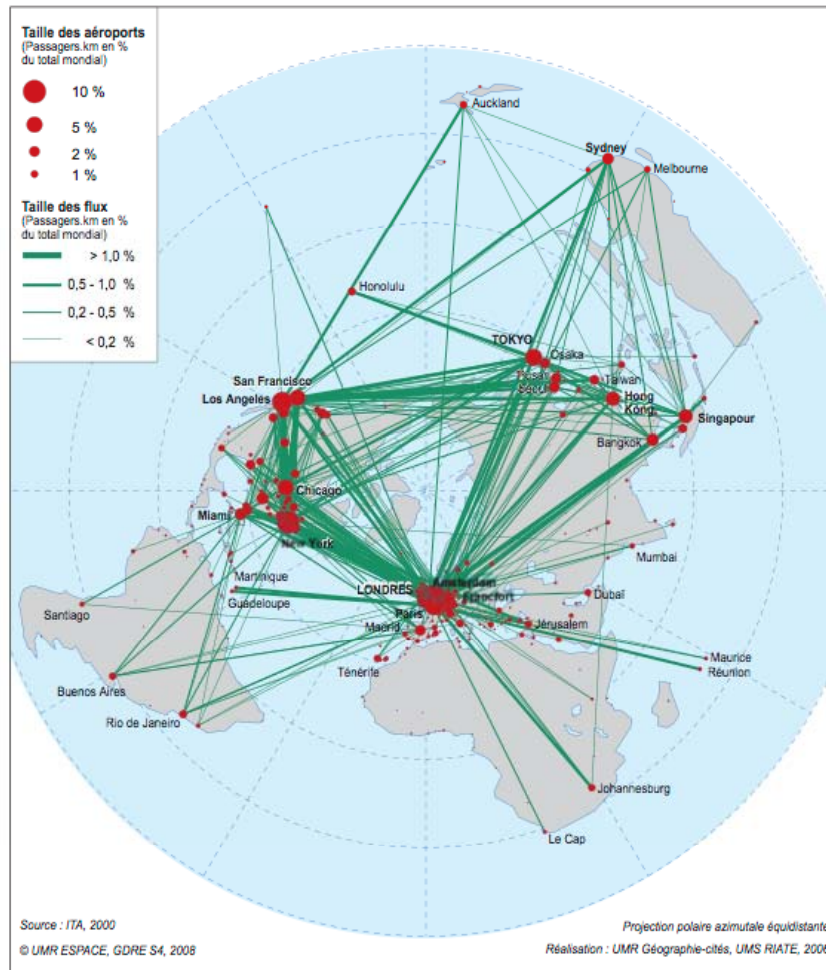


Vision n°2 : EUROPE AS NODE IN NETWORKS

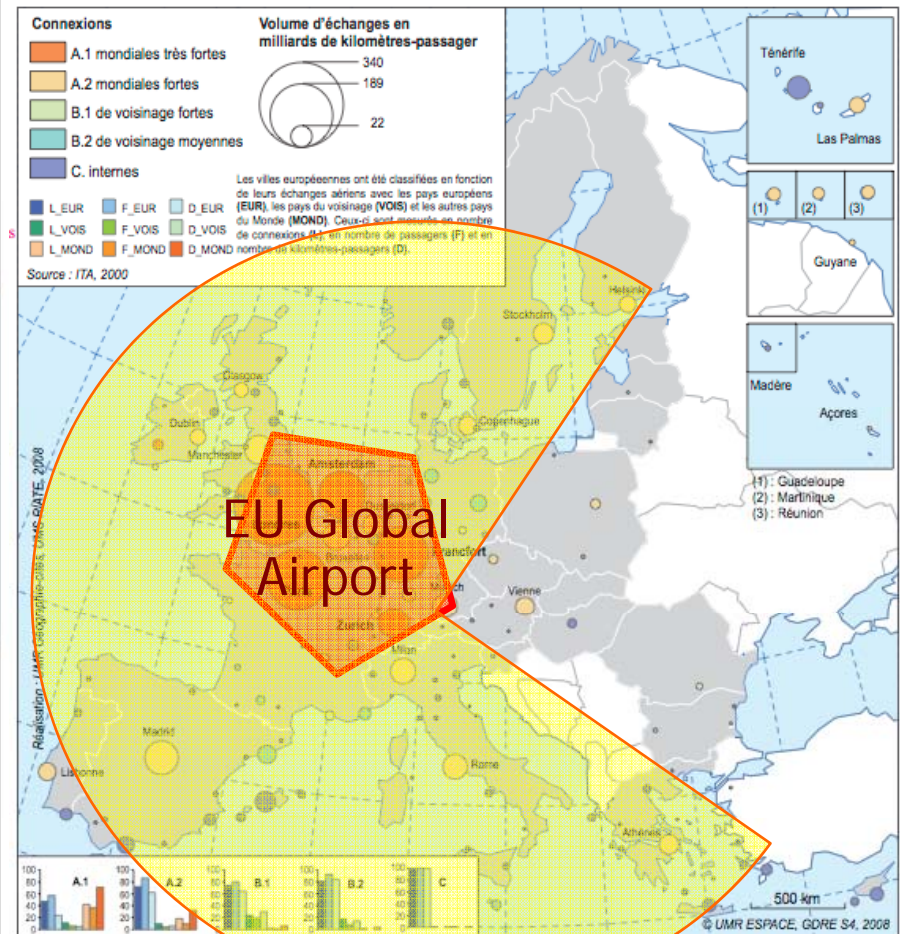


Air network

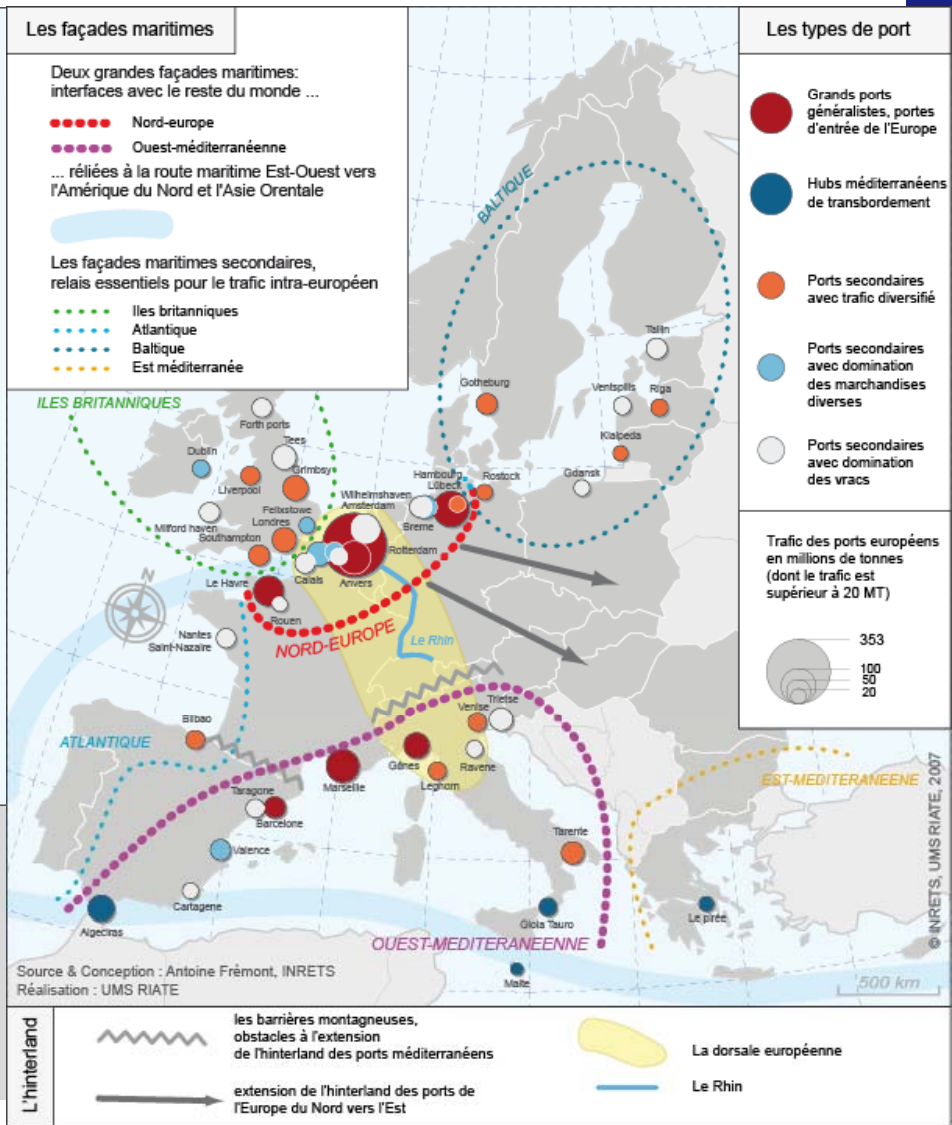
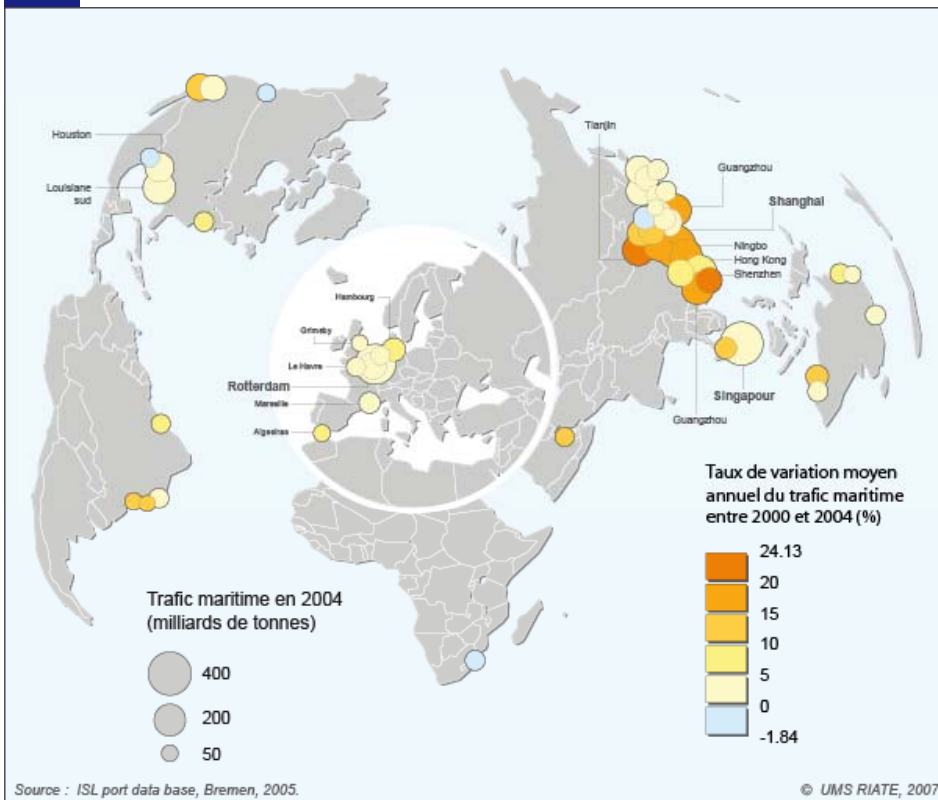
12-7. Flux aériens mesurés en kilomètres-passagers en 2000



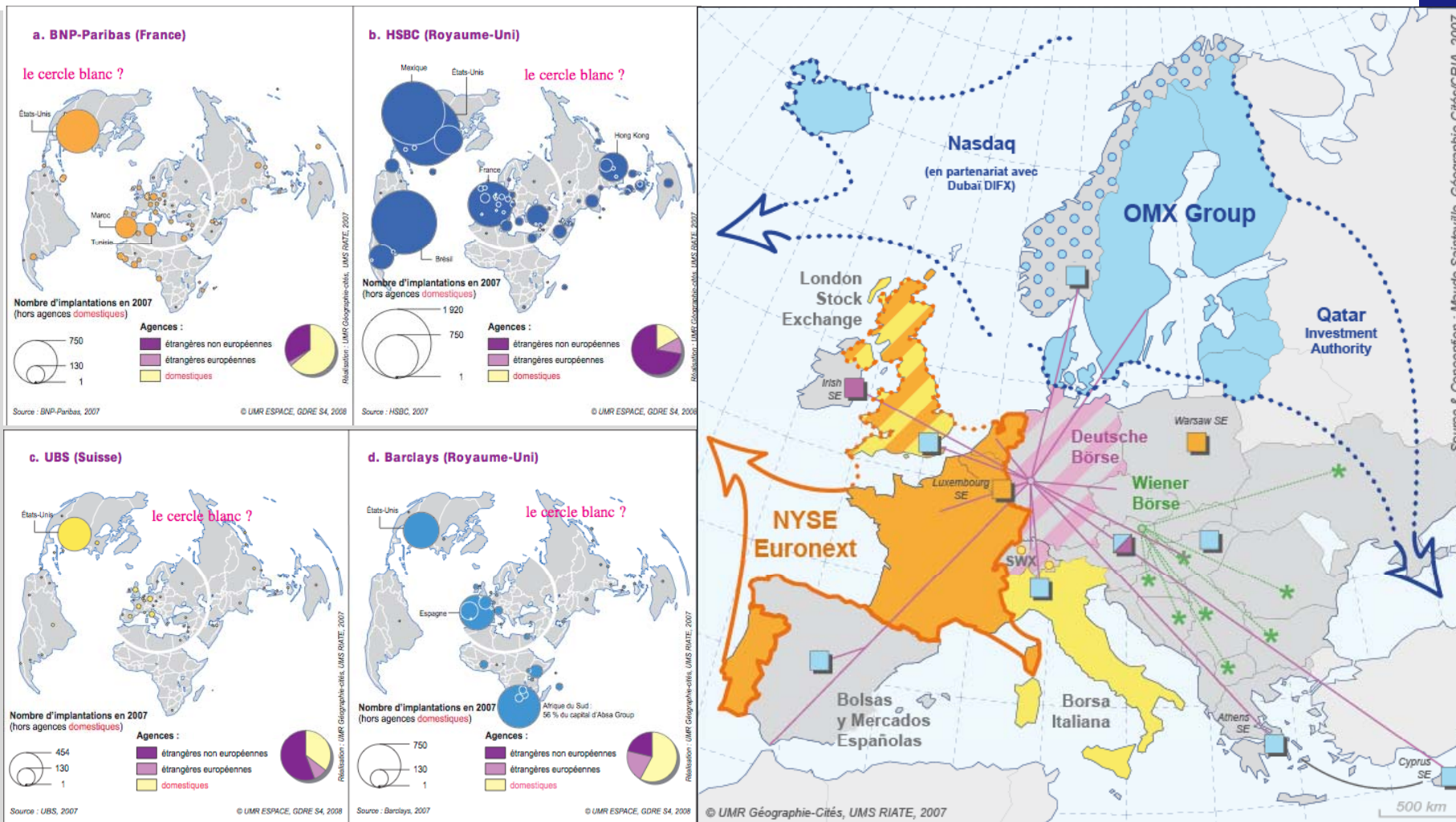
12-9. Typologie des connexions aériennes entre les villes européennes et le reste du monde, 2000



Sea networks



Bank networks



Source & Conception : Maude Sainteville, Géographie-Cités/CRIA, 2007

Energy networks



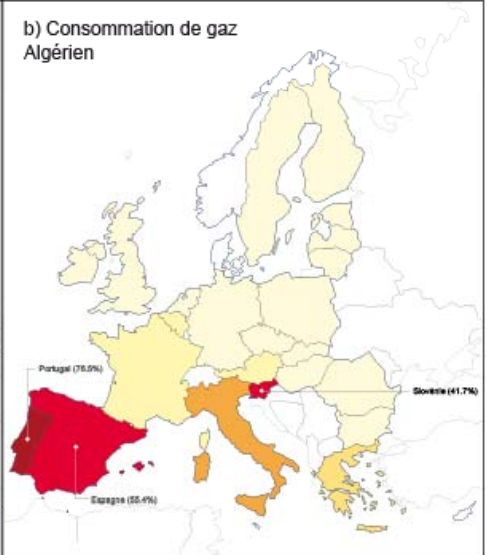
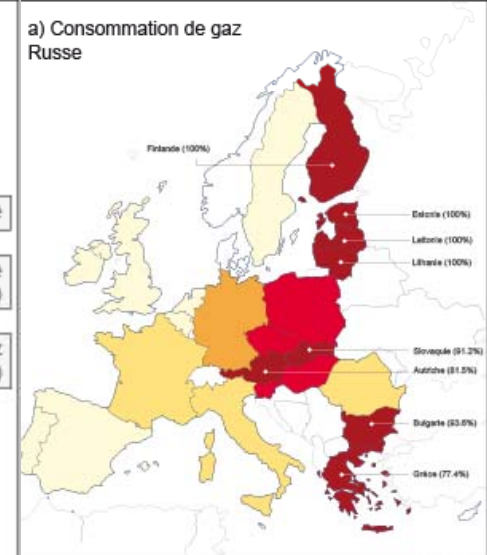
Source : UMR LADYSS, 2007

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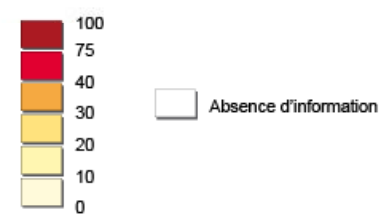


Source : OCDE, Agence internationale de l'Énergie, International Gas Information, 2005

© UMR LADYSS, UMS RIATE, 2007



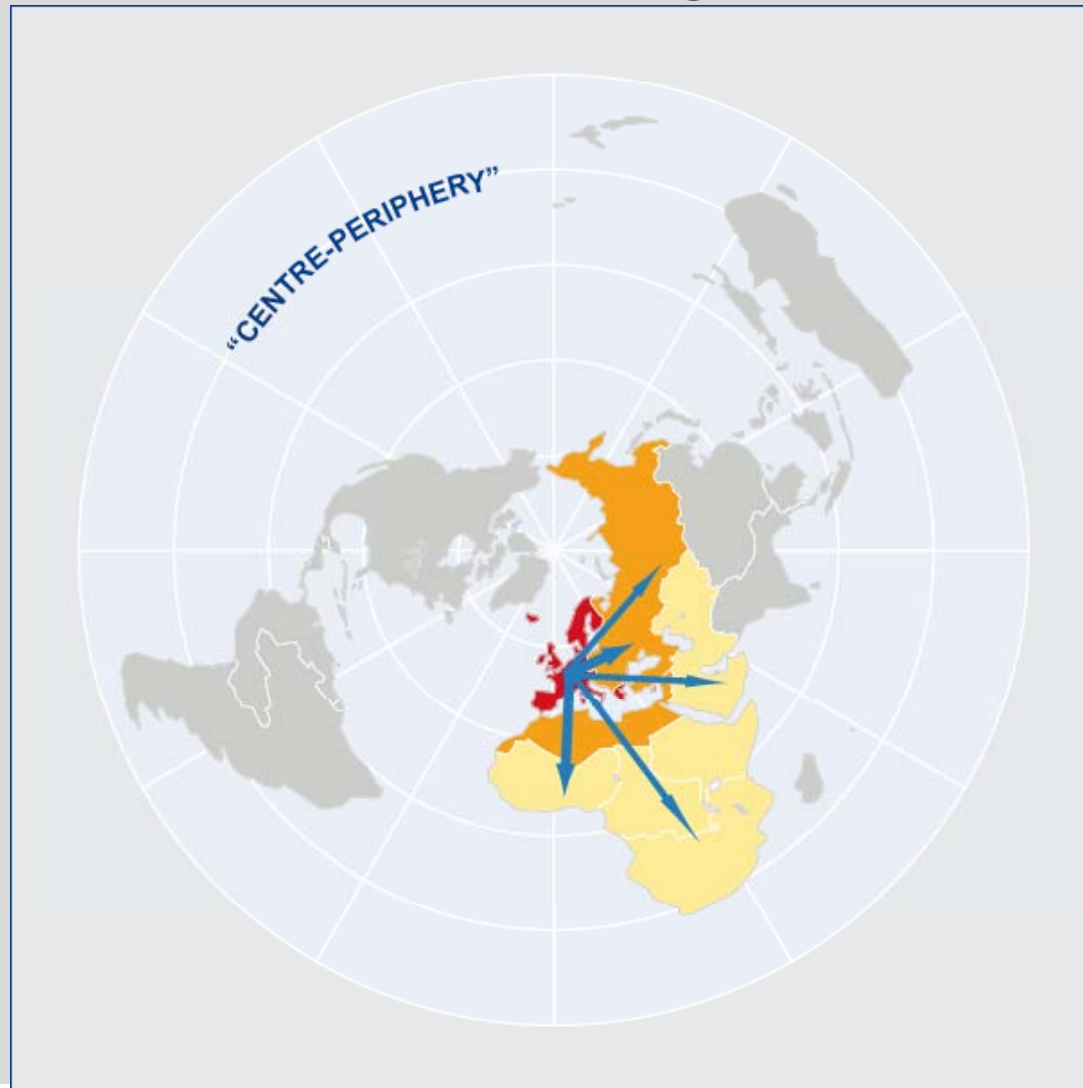
Part de la consommation de gaz russe, algérien ou norvégien, dans la consommation totale du pays (%)



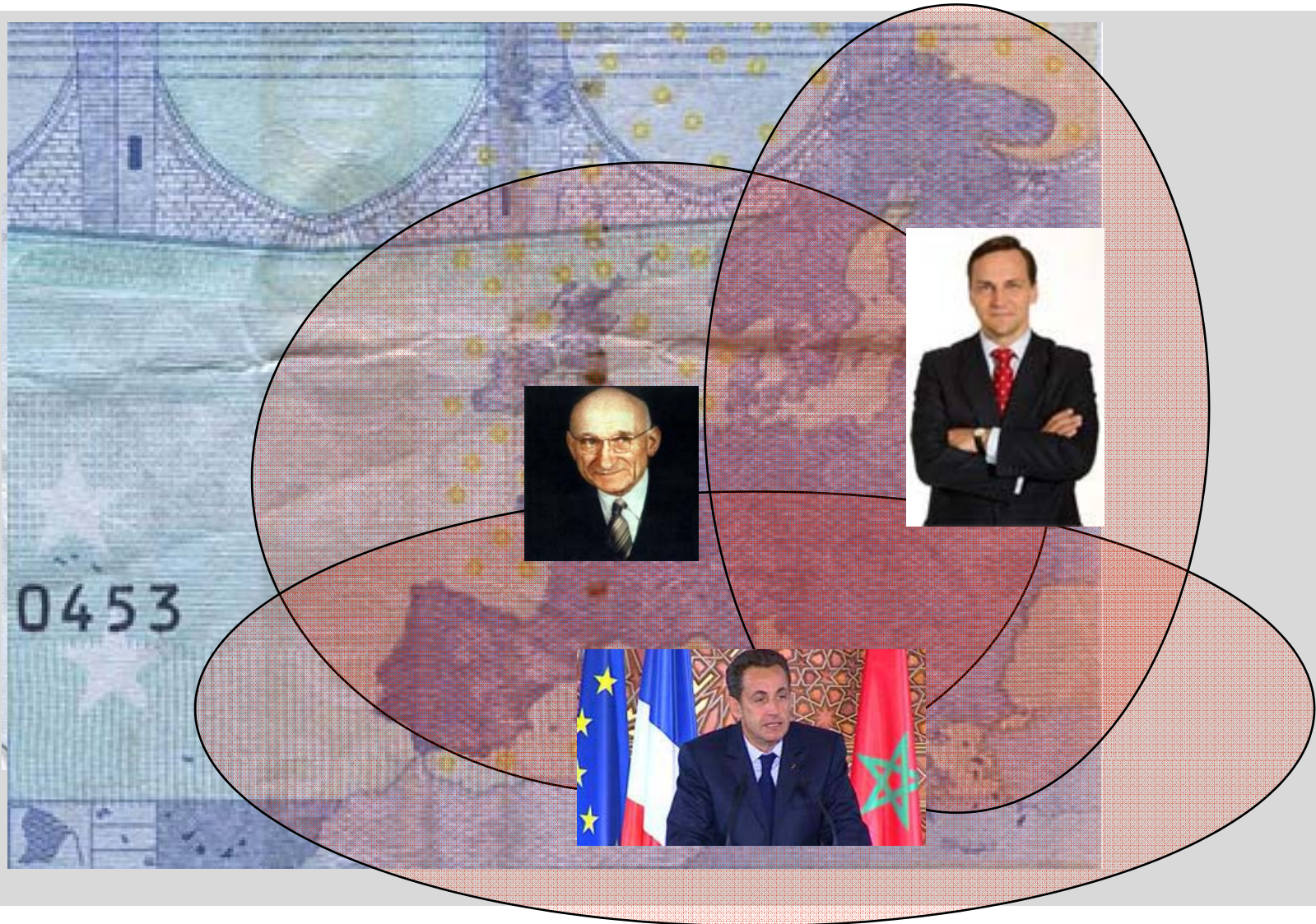
NB : moyenne annuelle 2002 - 2004 pour tous les pays sauf pour le Luxembourg : moyenne annuelle 1999 - 2000

Source : Agence internationale de l'Énergie, Natural Gas Information, édition 2005

Vision n°3 : EUROPE AS CENTER WITH DOMINATED PERIPHERIES

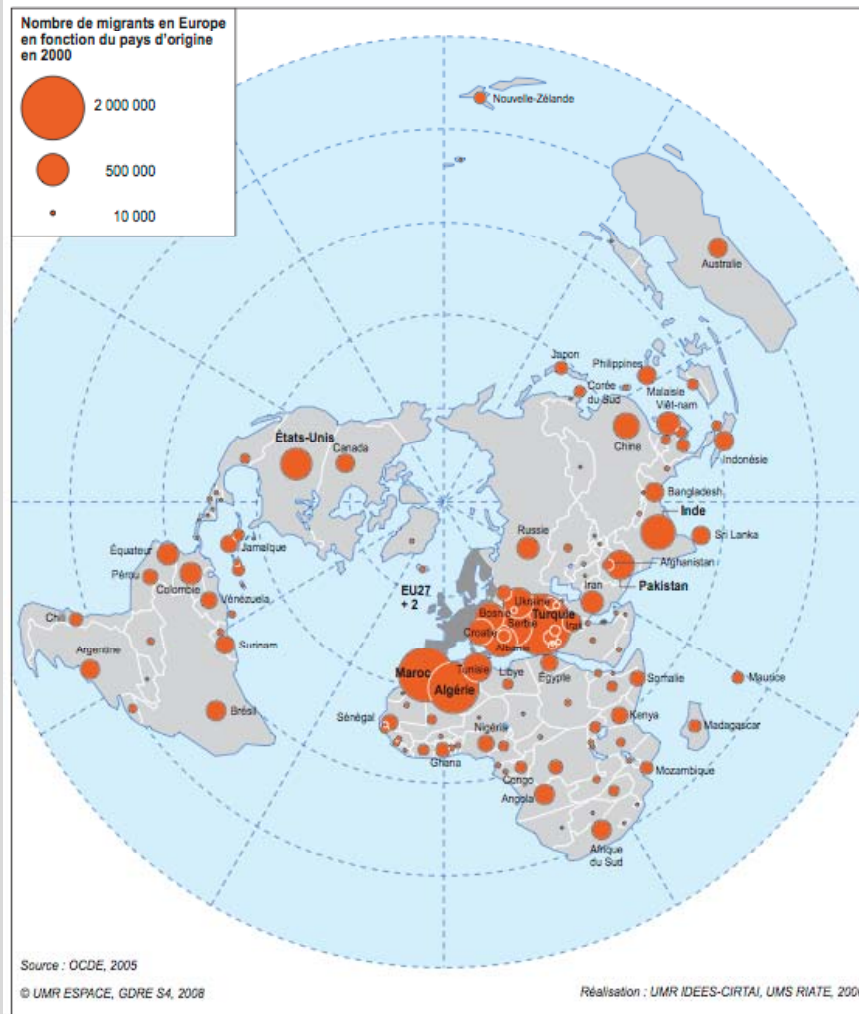


Which priority for neighbourhood policy ?

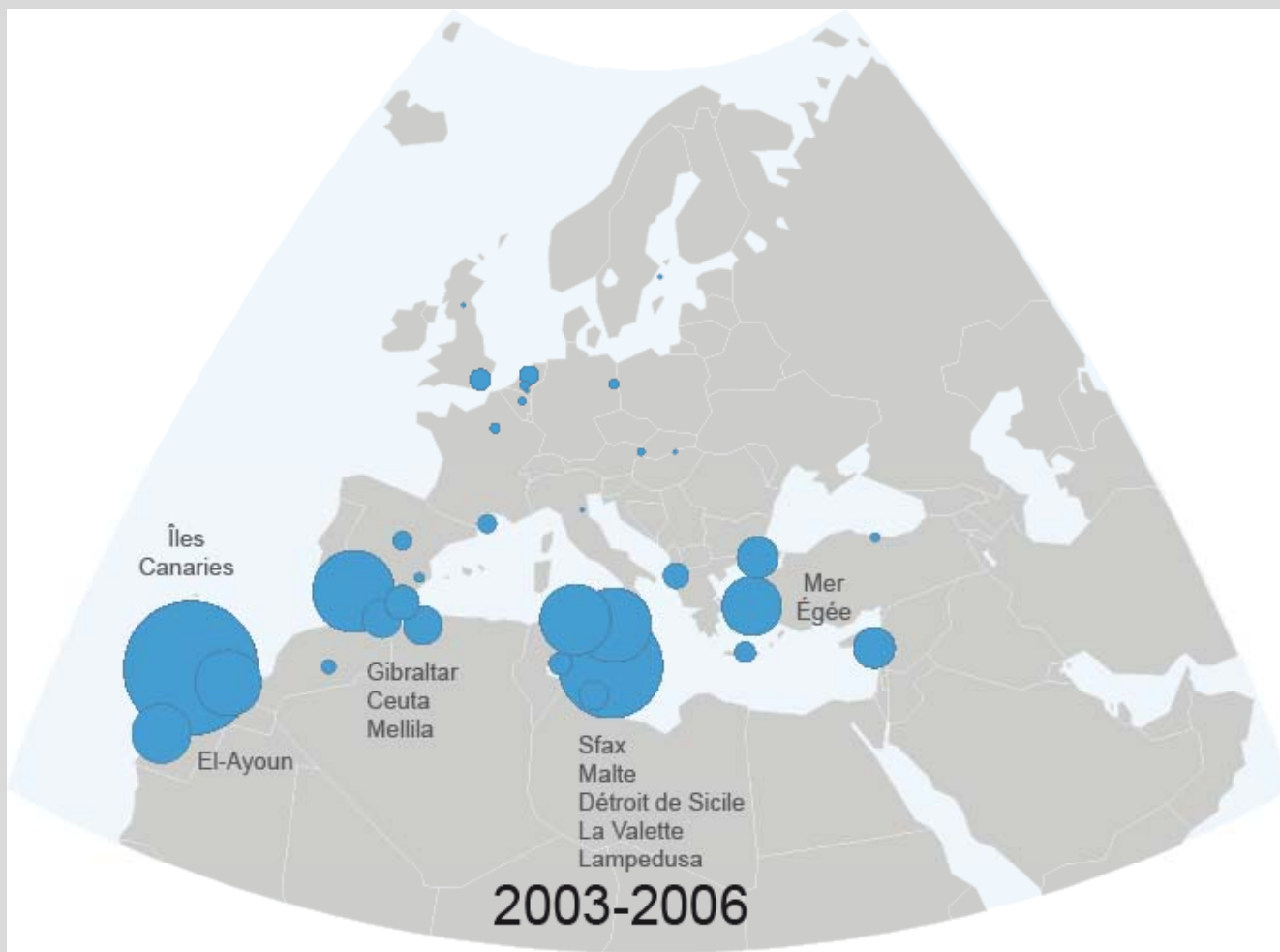


Legal migration : more globalised

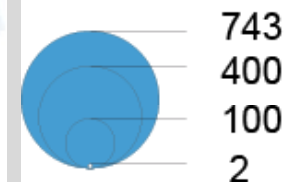
21-3. Origine des migrants en Europe, 2000



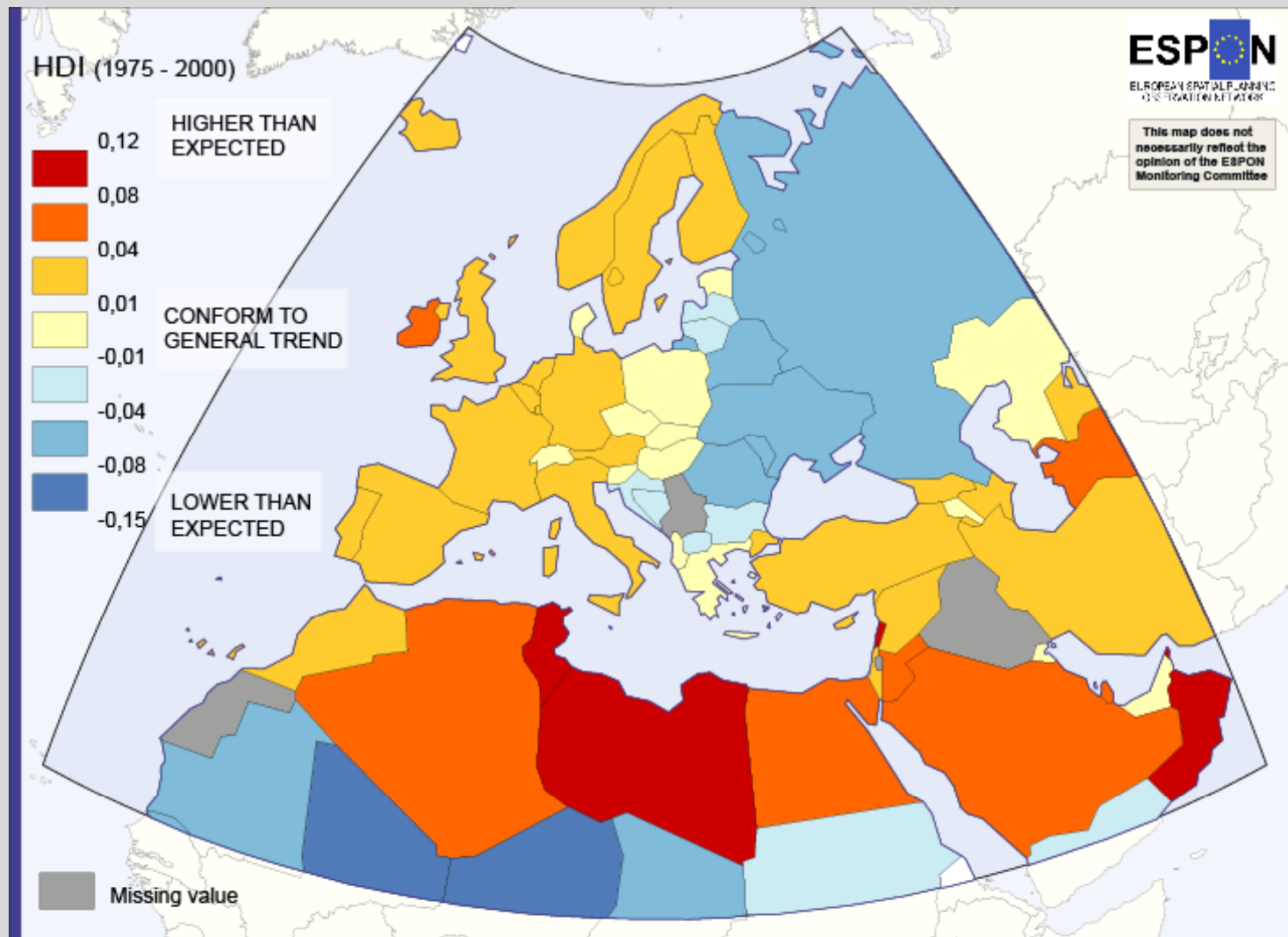
Illegal migration: always regional



Number of registered deaths

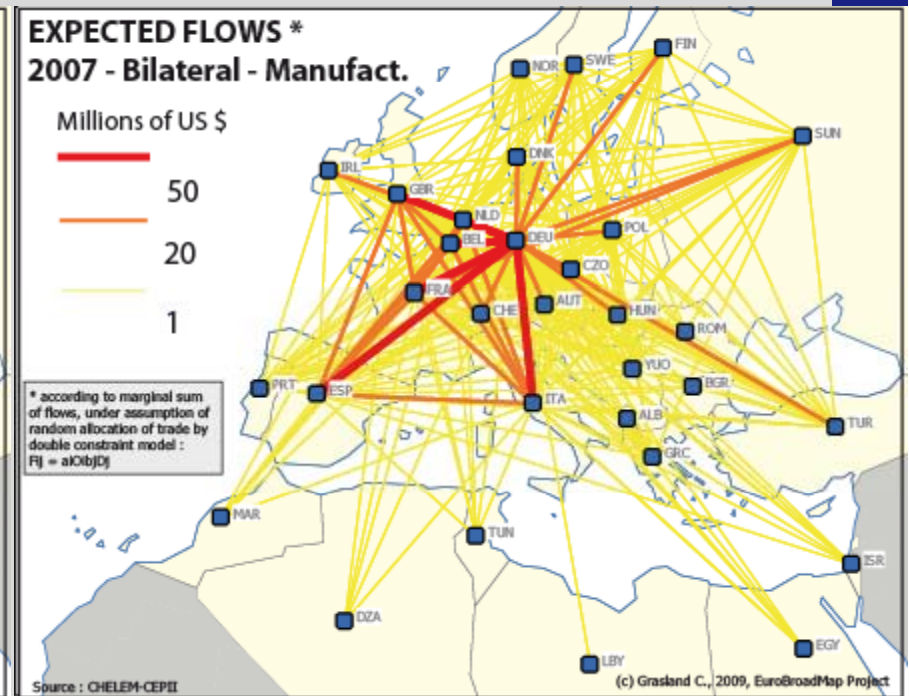
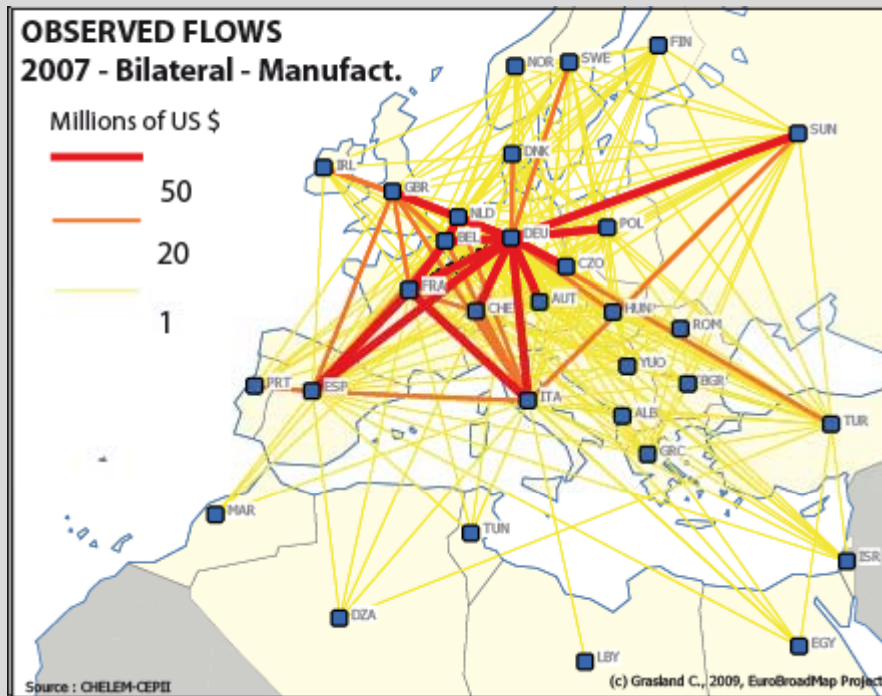


Dynamic of human development



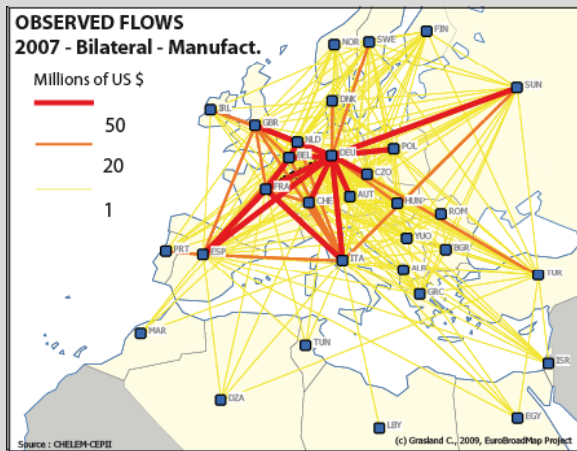
Residuals of the model $HDI_{2002} = 0.75 * HDI_{1975} + 0.27$ ($r^2 = 89\%$)

Trade 2007 Manufacture bilateral Observed & Expected flows

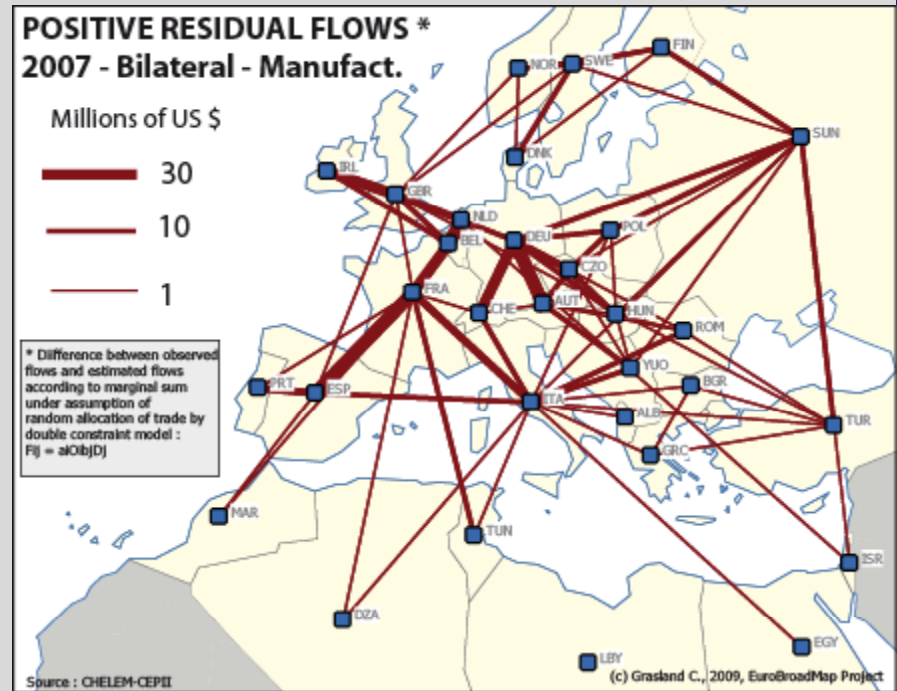
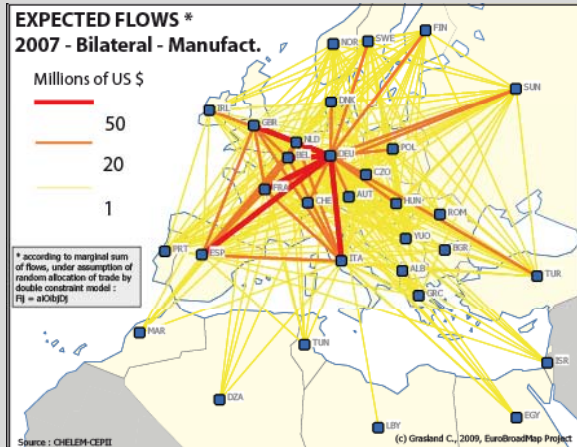


Modelisation 

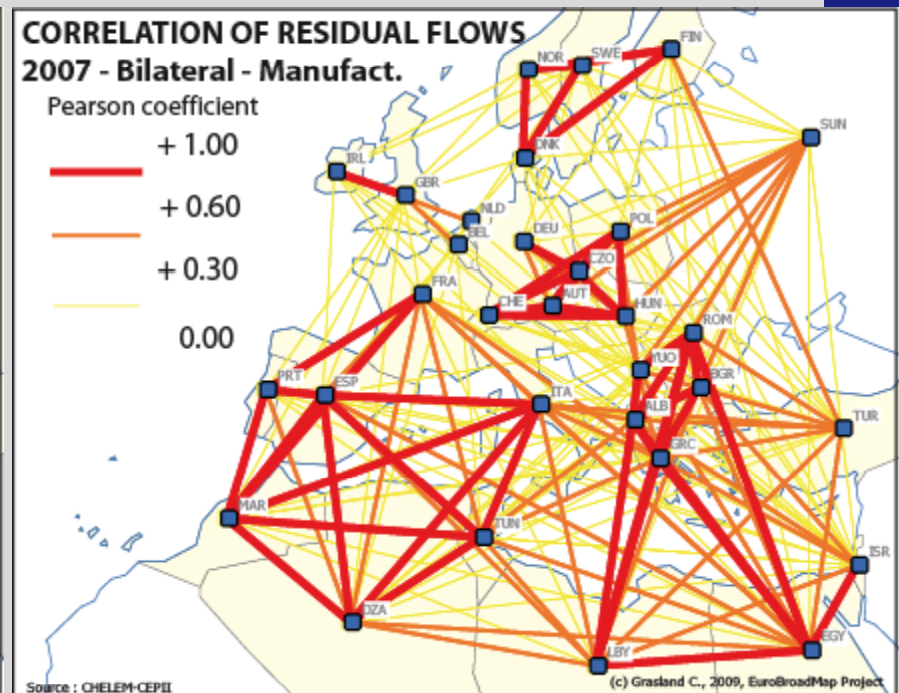
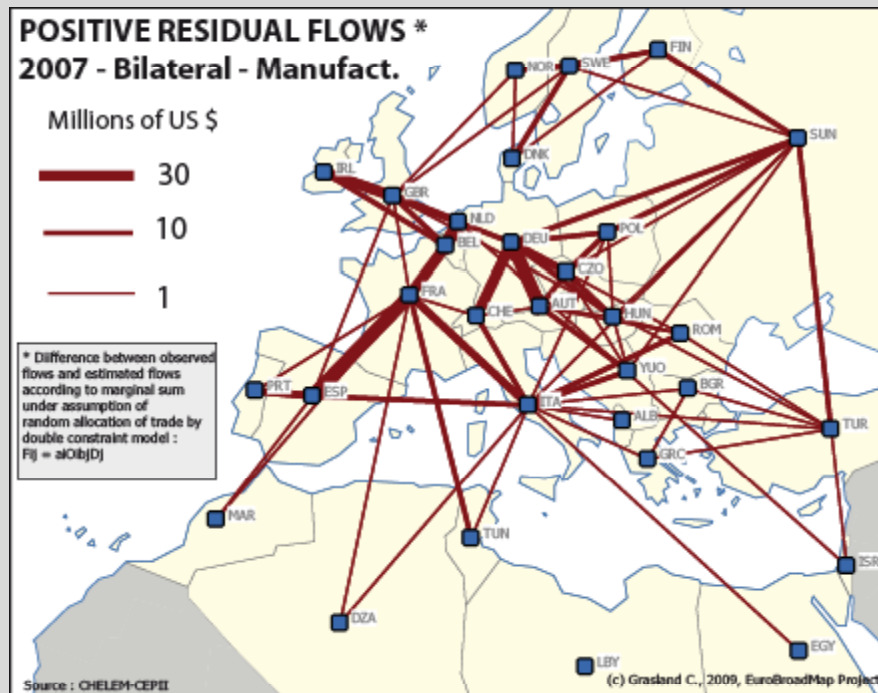
Trade 2007 Manufacture bilateral Residual flows



Residuals 

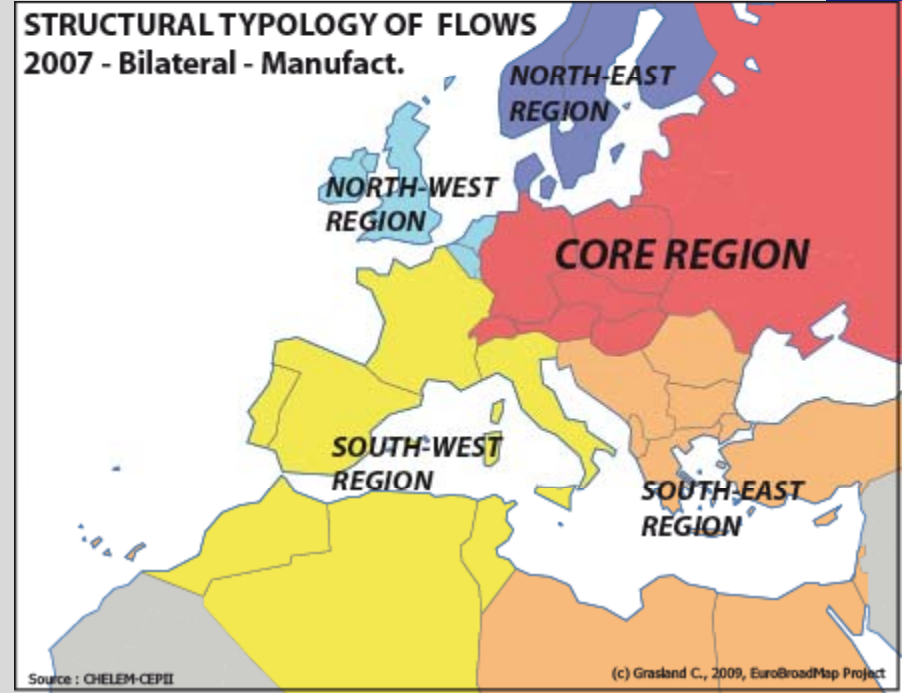
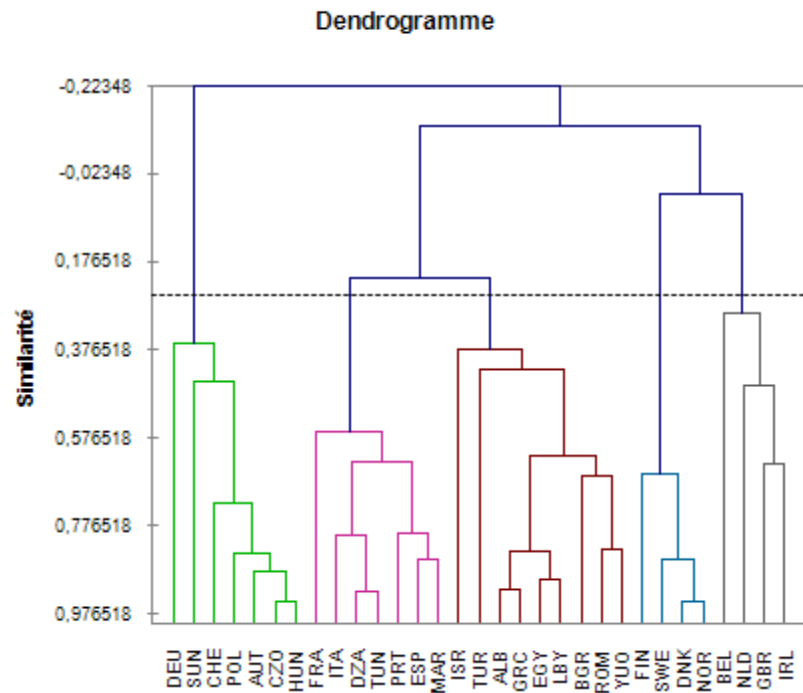


Trade 2007 Manufacture bilateral Correlation between residual flows

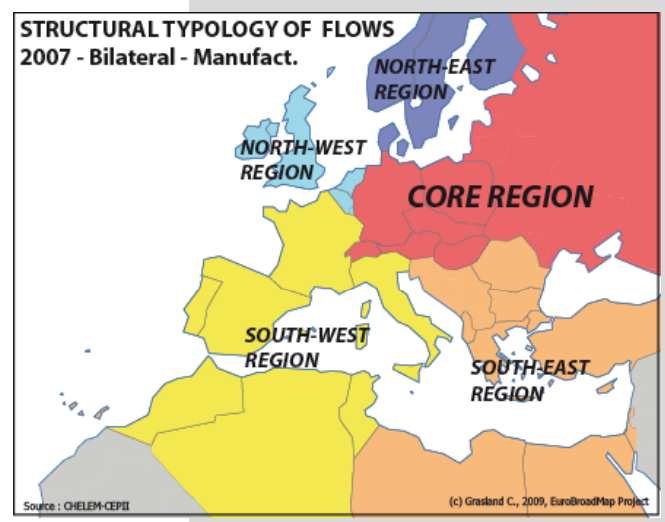
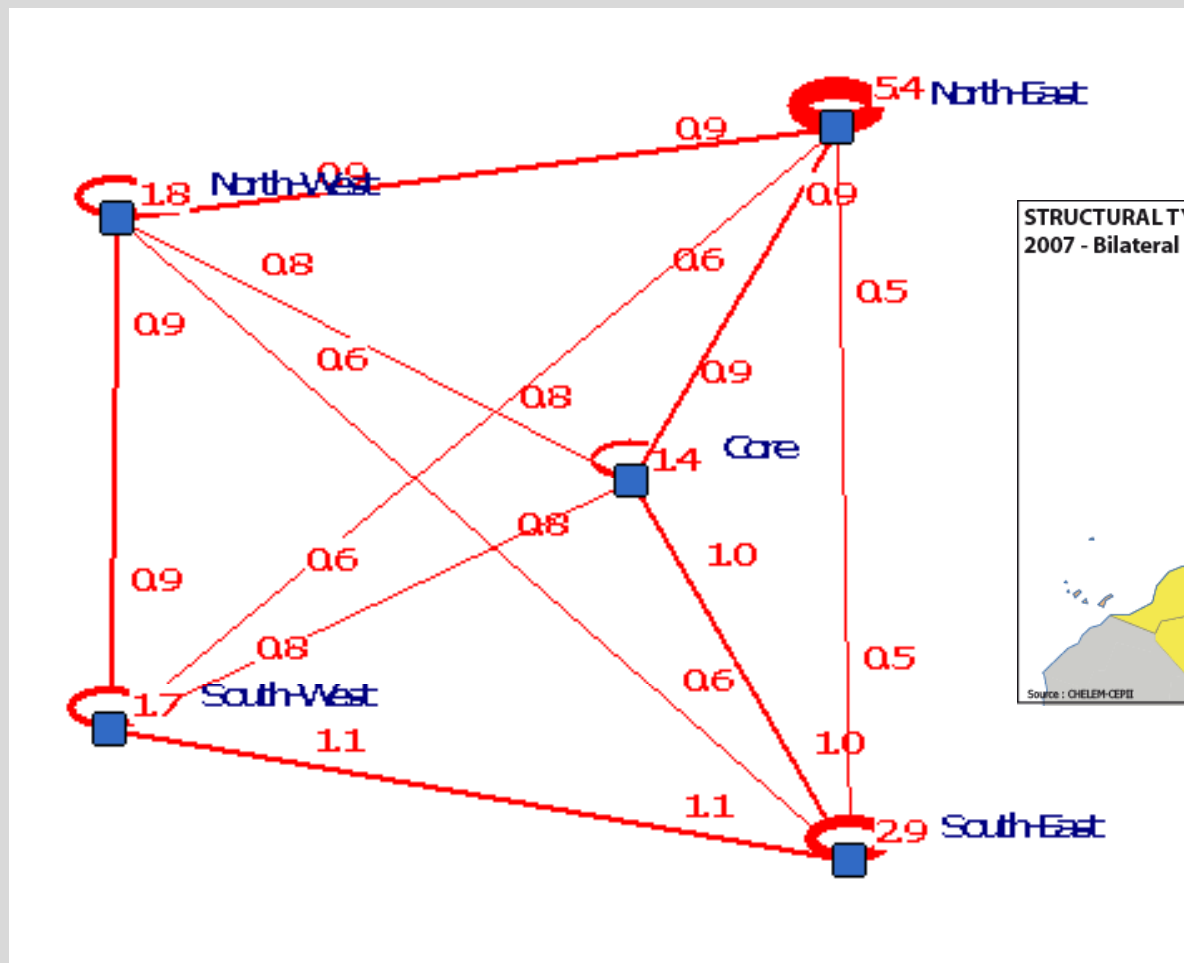


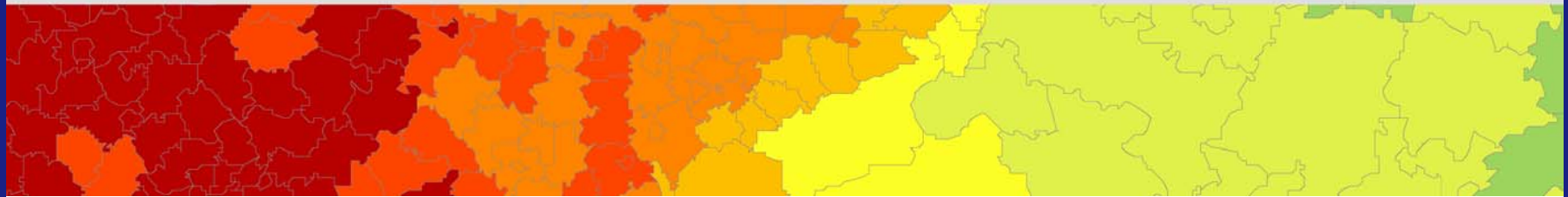
Correlation 

Trade 2007 Manufacture bilateral Cluster analysis



Trade 2007 Manufacture bilateral



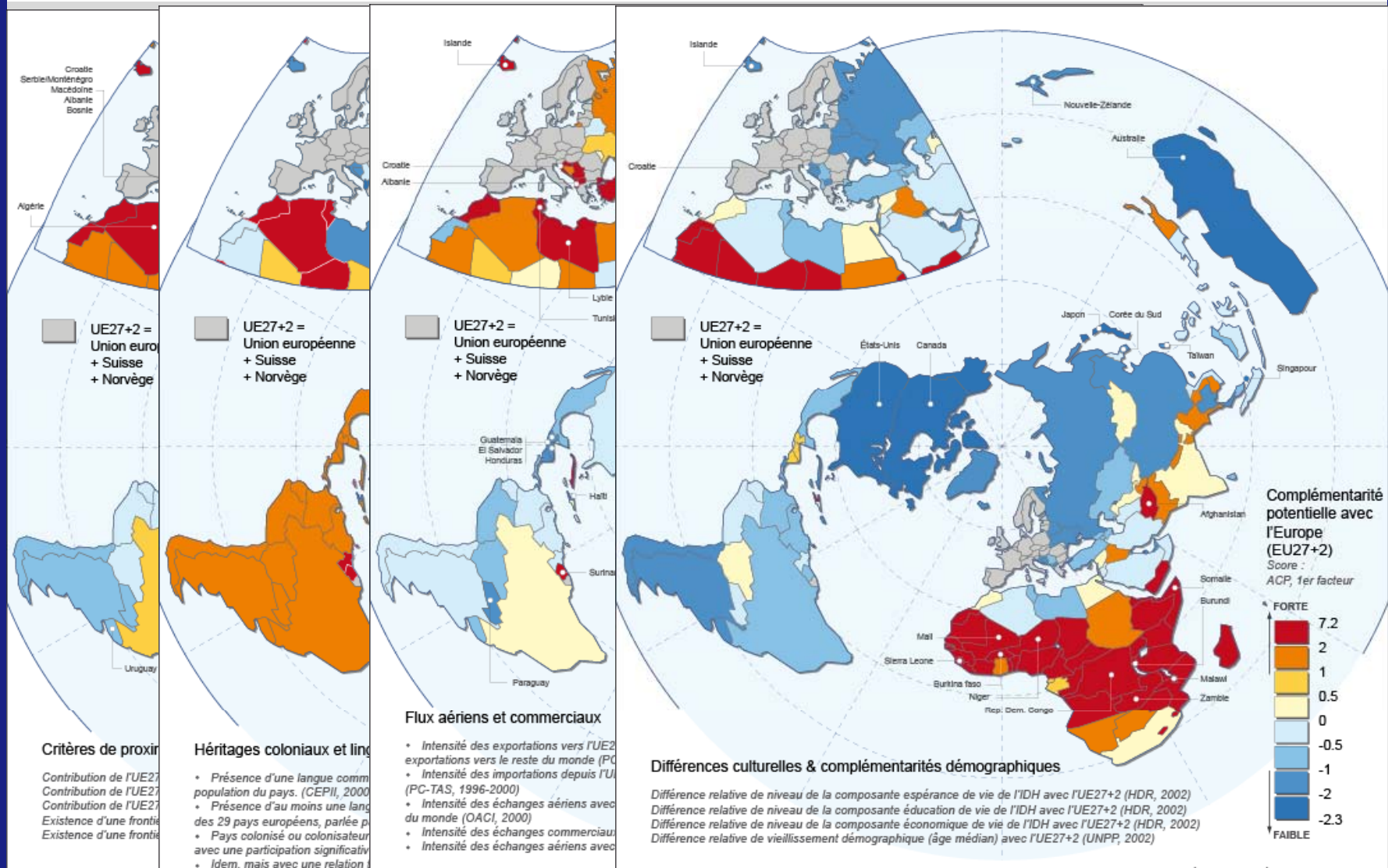


Part III TOWARD A STRATEGIC VISION



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Synthesis of EU position in the World



Quantitative influence area of UE

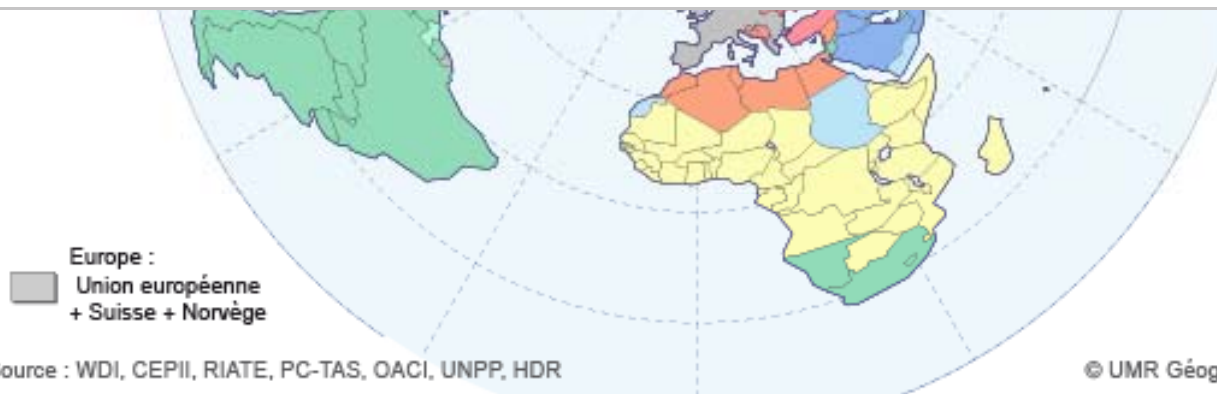
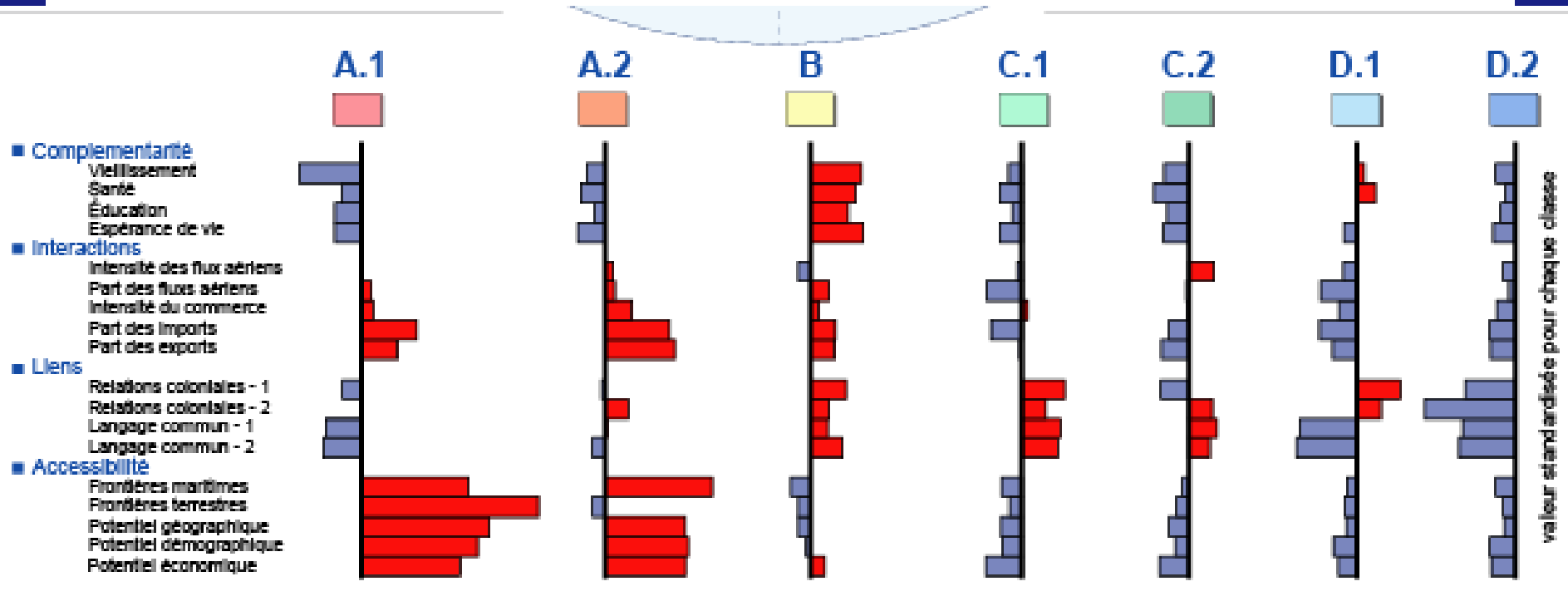
Maximum Influence of UE27+2

Rank	Score	Country
1	9.4	Croatie
2	9.1	Islande
3	8.9	Tunisie
4	7.9	Serbie/Montenegro
5	7.9	Albanie
6	7.5	Macédoine (FYROM)
7	7.2	Maroc
8	7.2	Turquie
9	7.1	Algérie
10	7.1	Groënland
11	7.1	Libye
12	6.4	Liberia
13	6.0	Bosnie-Herzégovine
14	5.6	Sierra Leone
15	5.1	Russie

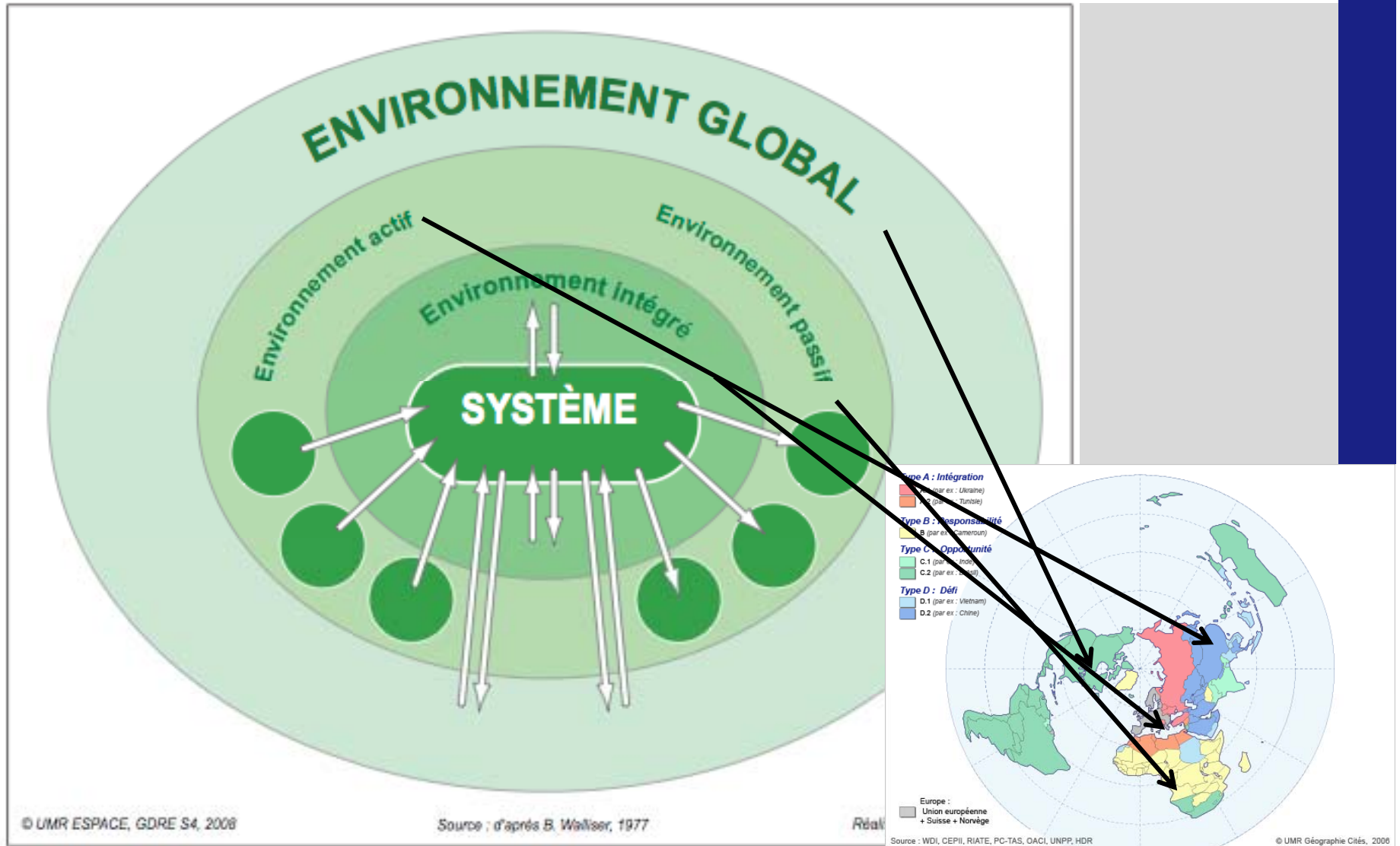
Minimum Influence of UE27+2

Rank	Score	Country
125	-1.44	Indonésie
126	-1.46	Philippines
127	-1.46	Australie
128	-1.51	Mexique
129	-1.51	Uruguay
130	-1.56	El Salvador
131	-1.59	Myanmar (Birm.)
132	-2.02	Mongolie
133	-2.08	Bhoutan
134	-2.31	Thaïlande
135	-2.46	Chine
136	-2.85	Corée du Sud
137	-3.01	Corée du Nord
138	-3.14	Taiwan
139	-3.19	Japon

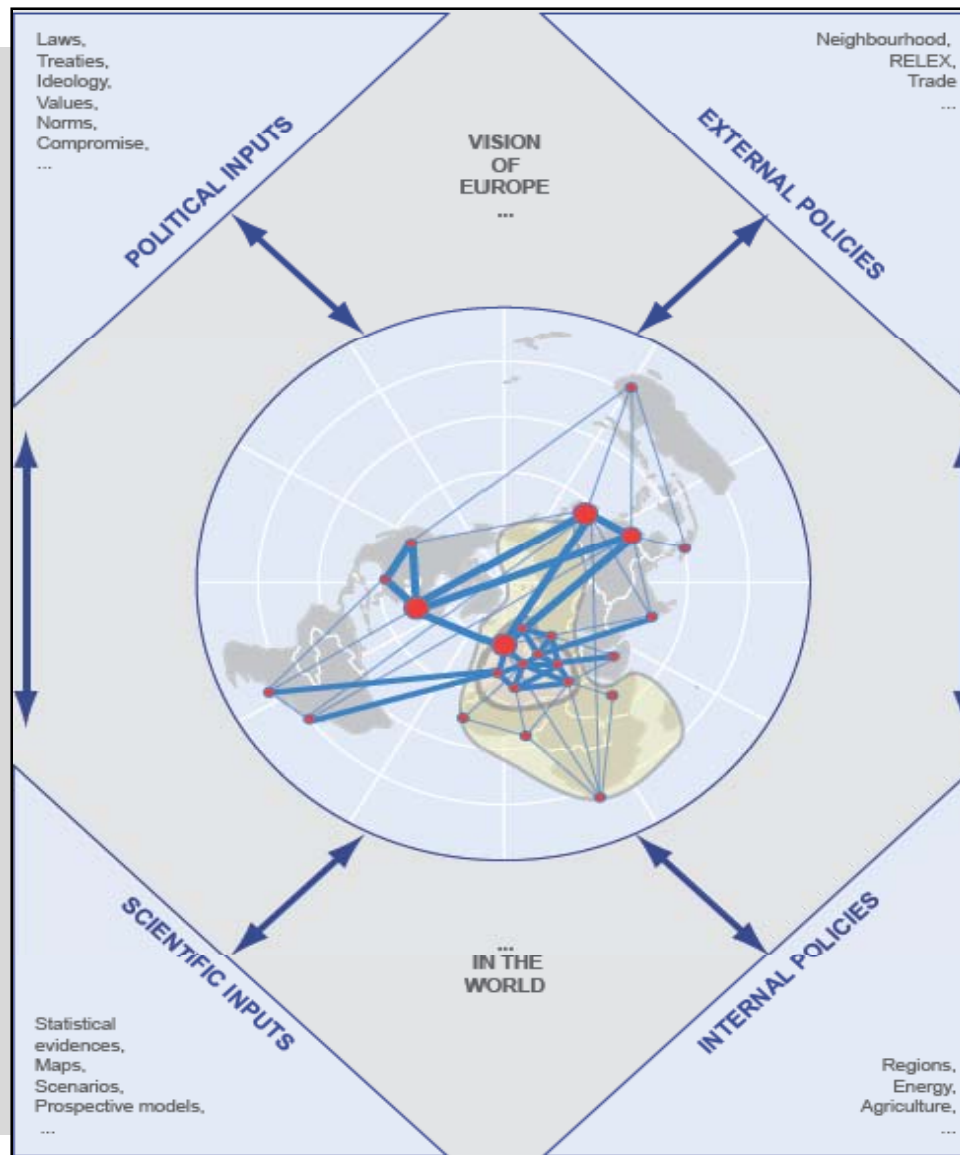
Qualitative typology of potential relations



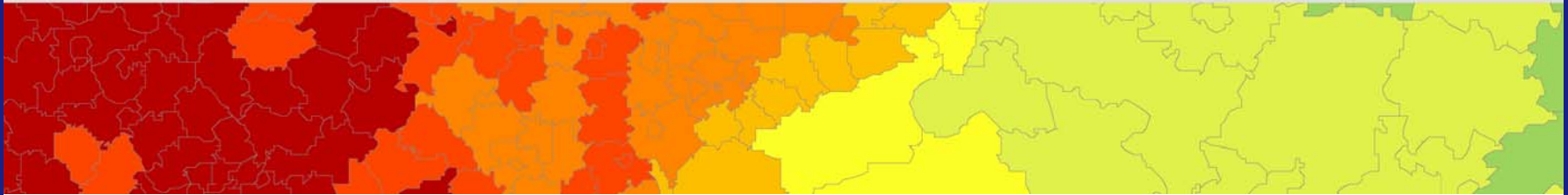
A strategic vision of EU in the world ...



... linking internal and external policies



ESP  N



THANK YOU FOR YOUR ATTENTION



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