

EUROPE IN THE WORLD

Claude GRASLAND

Contribution of ESPON to EU policies

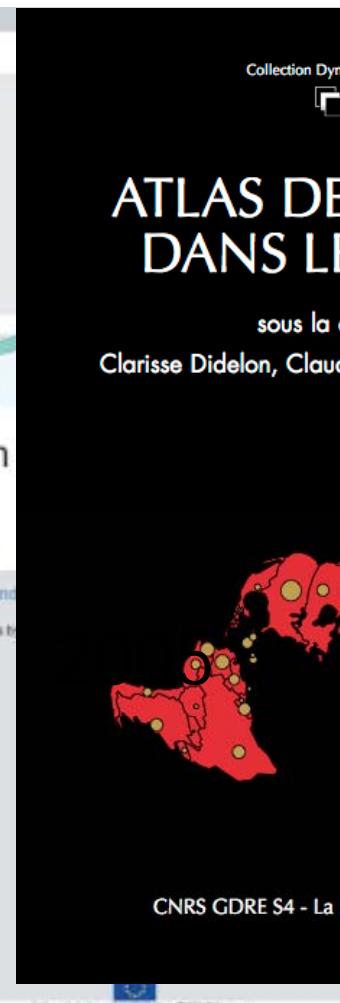
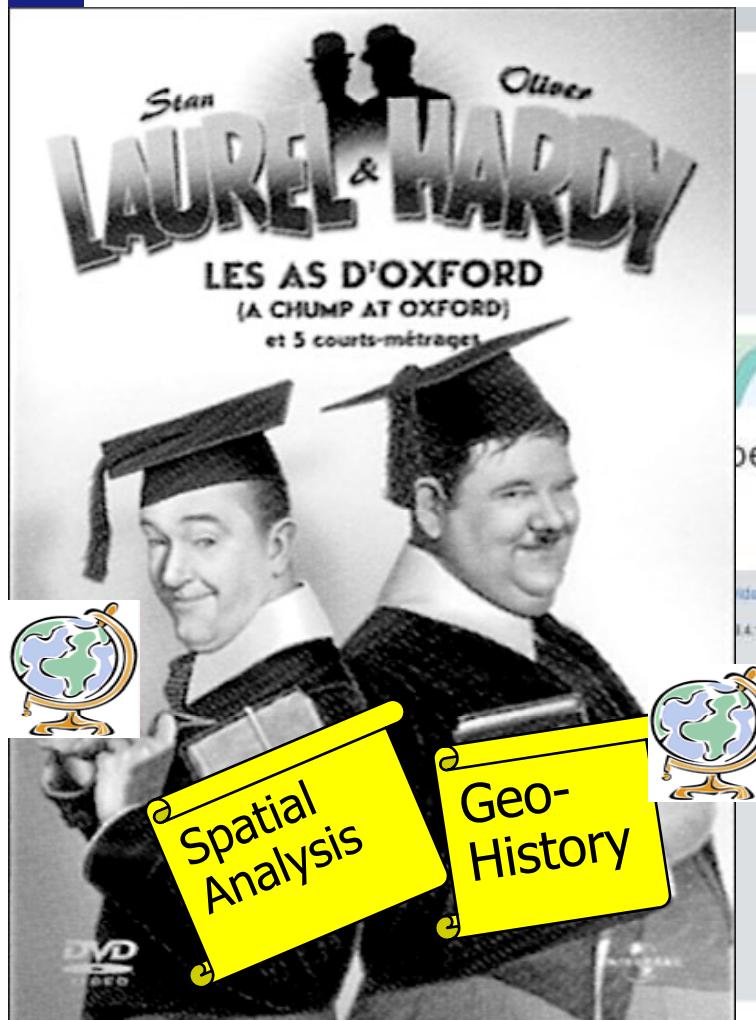
Brussels, 6 May 2009



EUROPEAN UNION

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INVESTING IN YOUR FUTURE

A long term research



ANNEXE I

Small or medium scale focused project
FP7-SSH-2007-1

EuroBroadMap
VISIONS OF EUROPE IN THE WORLD
FINAL VERSION – 14 Nov 2008



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

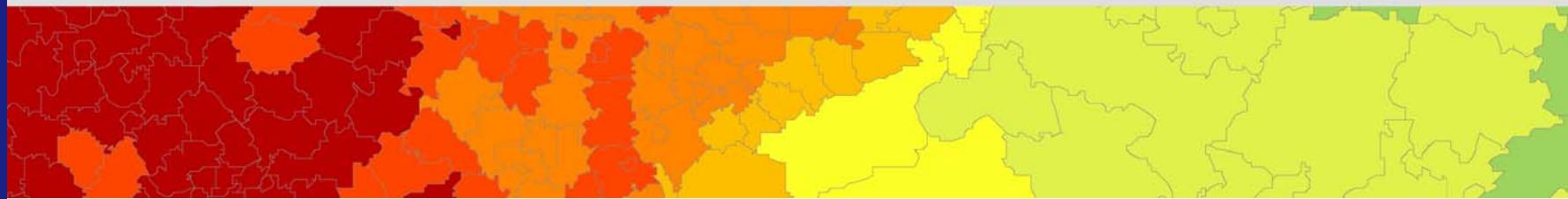
Target Outcome: Survey on mental maps of the world in general and Europe in particular

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:

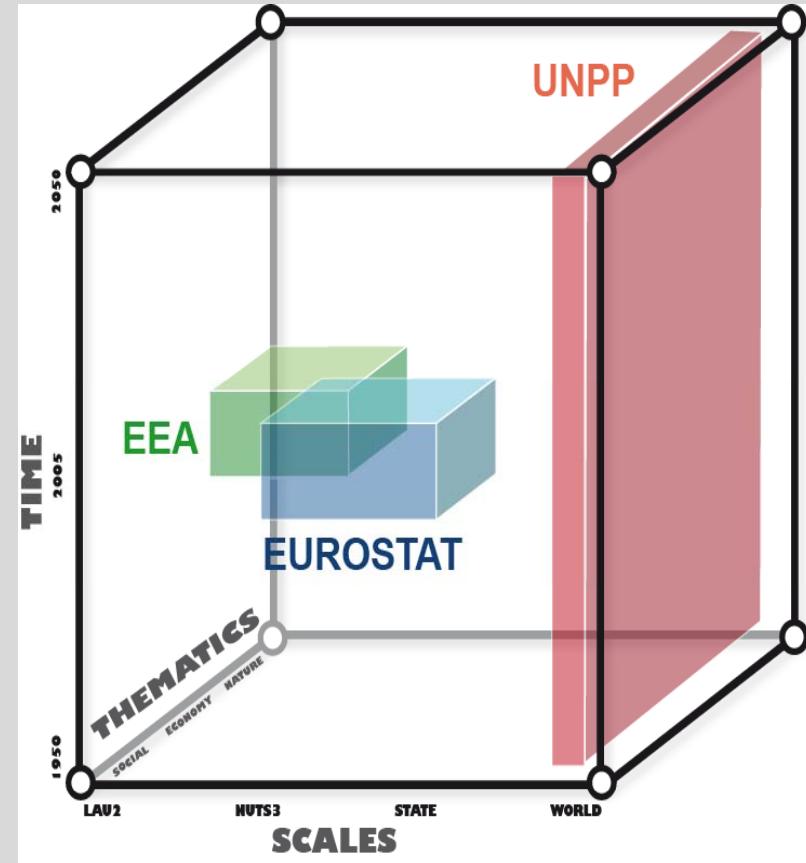
- Short term (1995-2015)
- Medium term (1980-2020)
- Long Term (1950 – 2050)

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:

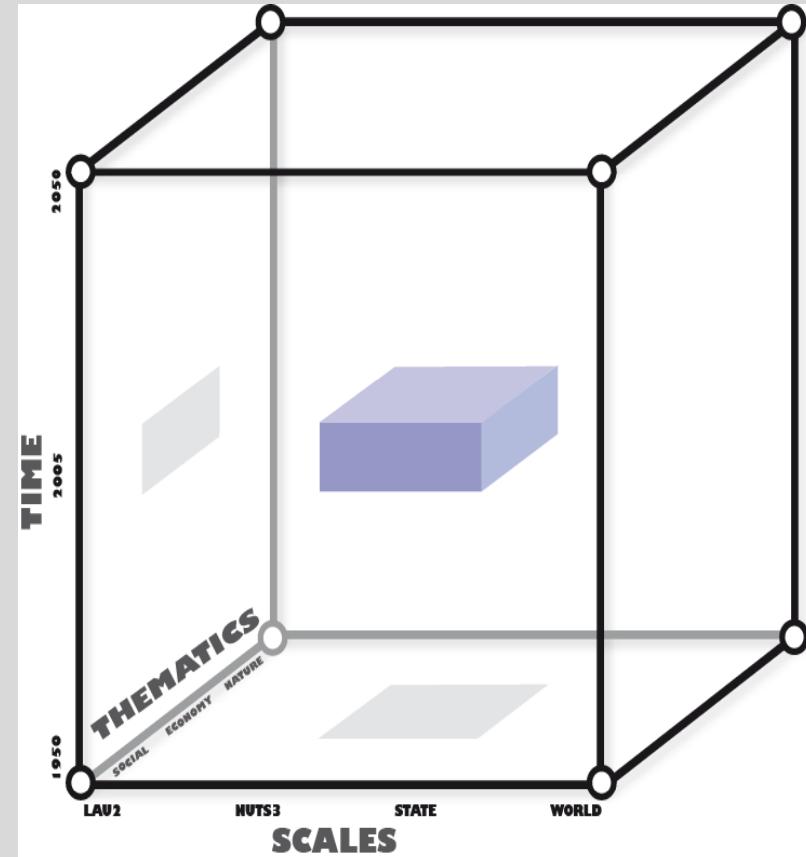
- **Short term (1995-2003)**
- Medium term (demography)
- Long term (Europe in the World)

Thematic dimension :

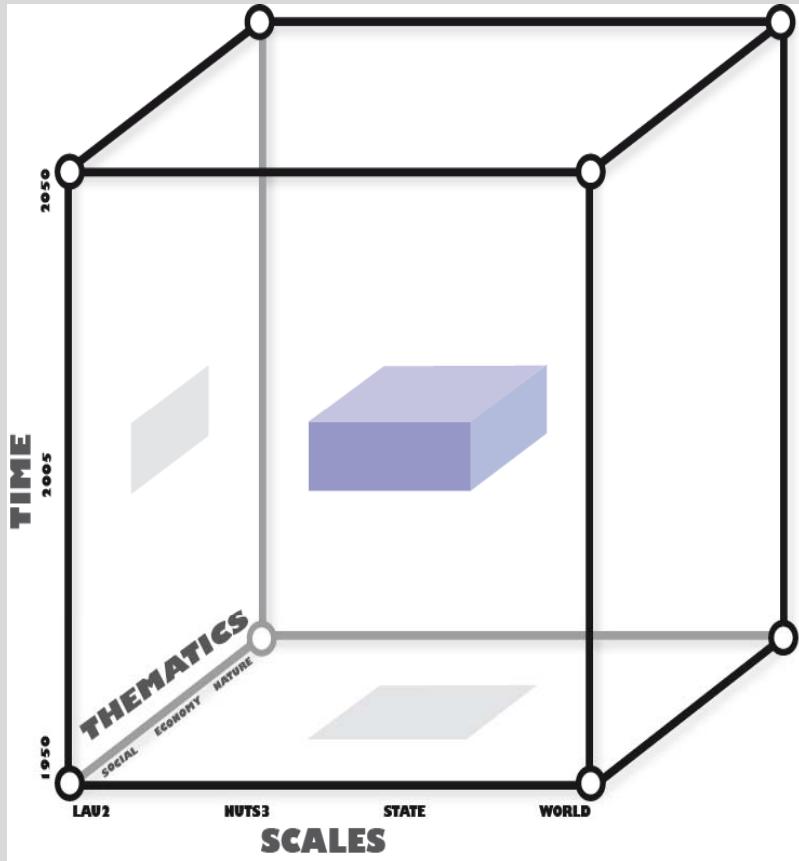
- **Economic competitiveness**
- Sustainable environment
- Social cohesion

Geographical object :

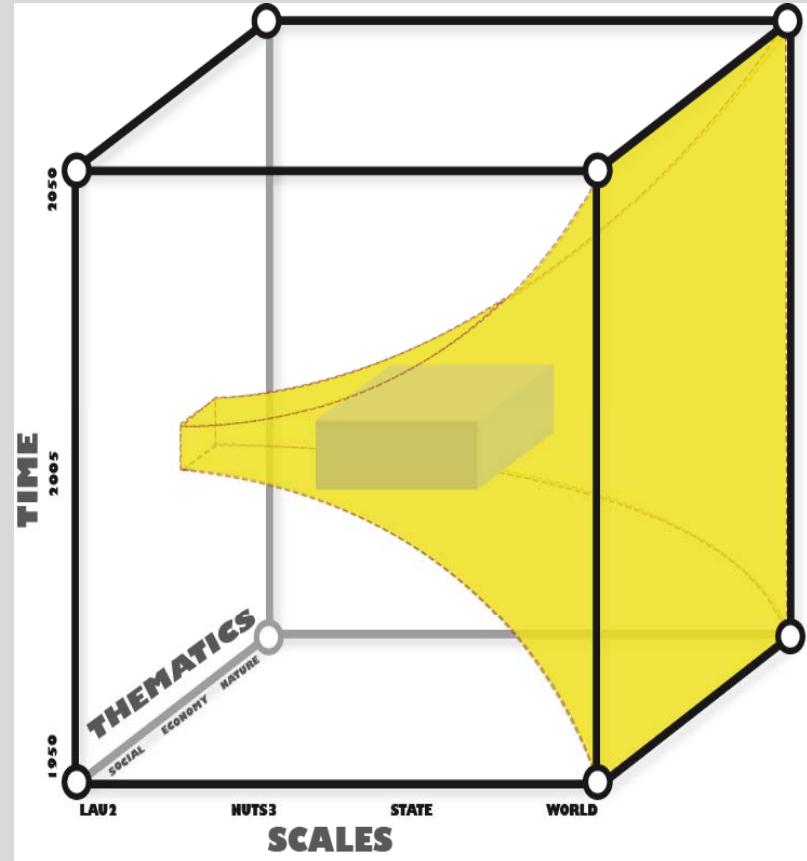
- **Administrative units**
- Cities & Networks
- Grids



The expected information cube of ESPON Database 2013

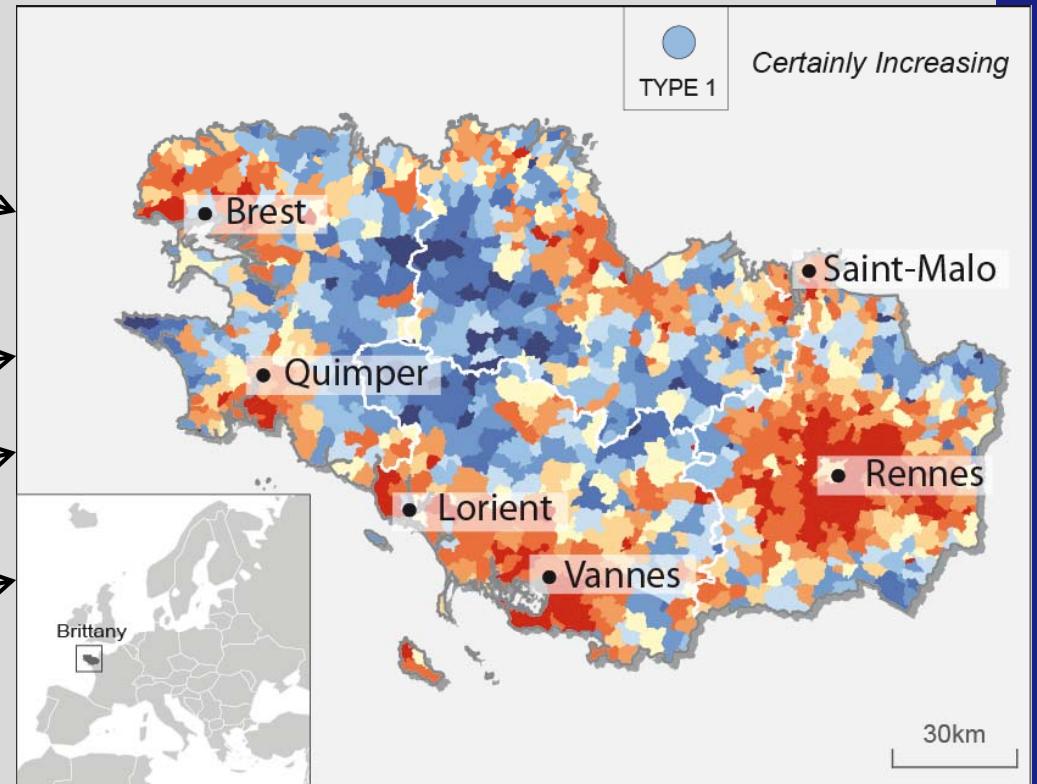
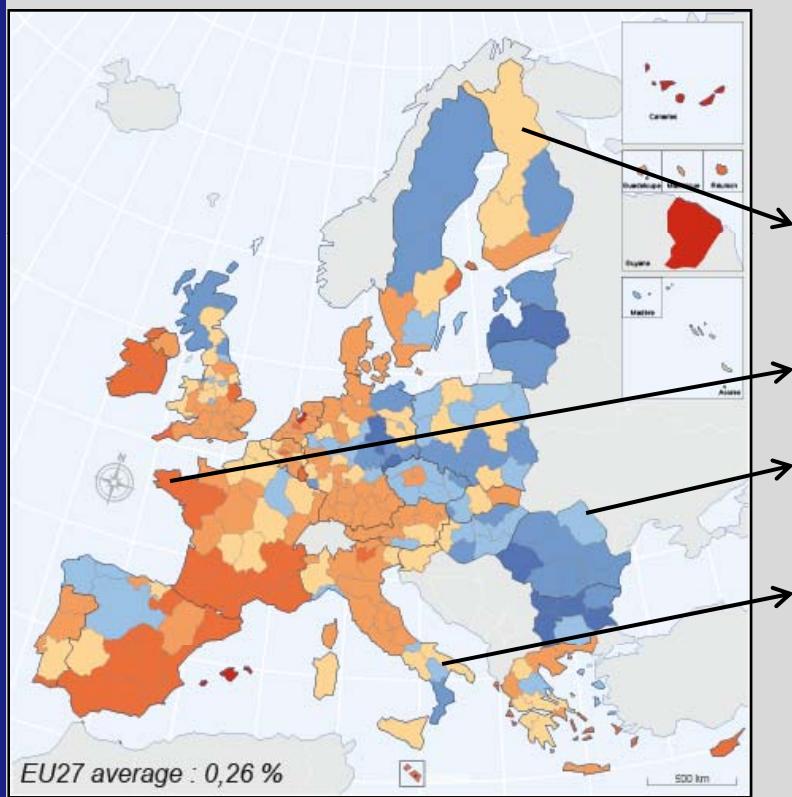


ESPON DB 2006

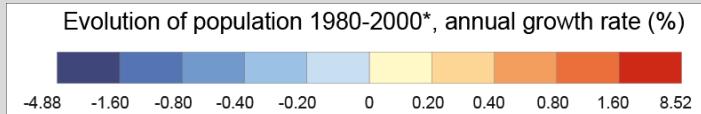


ESPON DB 2013

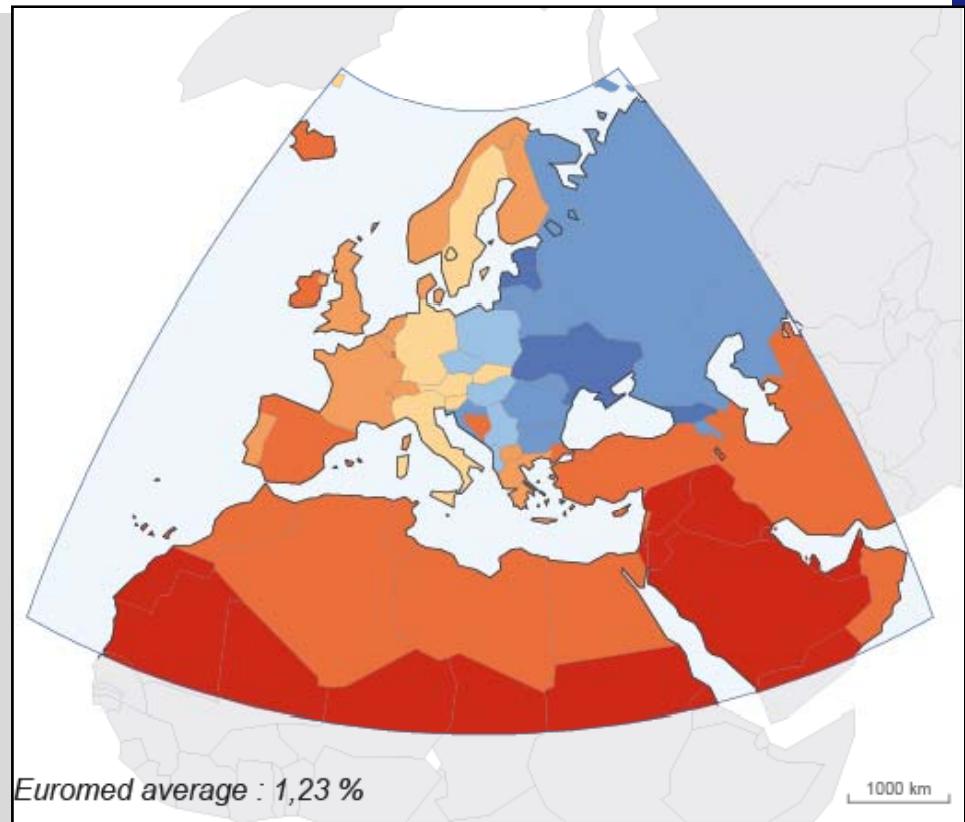
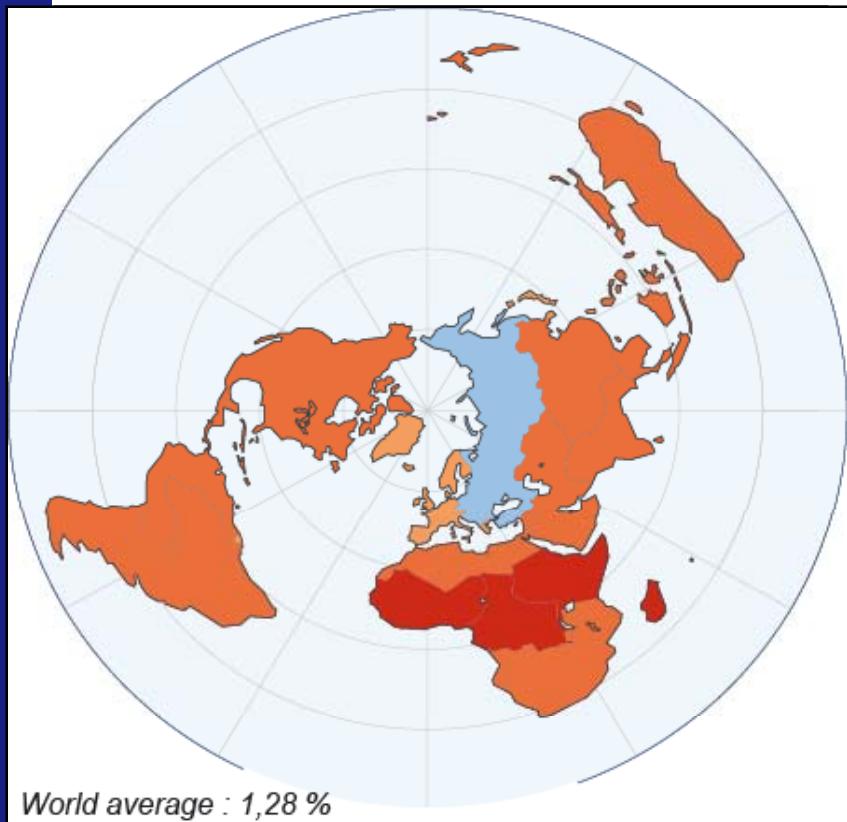
ZOOM-IN = looking at infra-regional trends



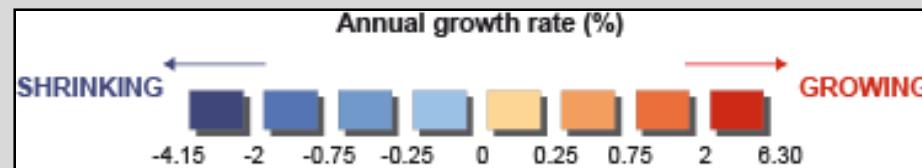
Evolution of population 1995-2005



ZOOM OUT : looking at pan-european and world trends

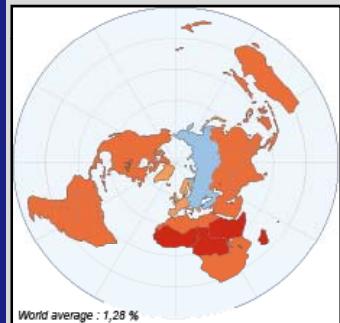


Evolution of population 1995-2005

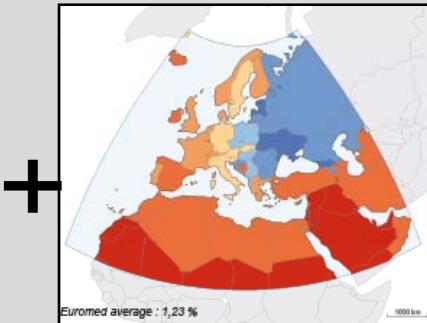


GENERAL OBJECTIVE : SUPPORT MULTISCALAR GOVERNANCE

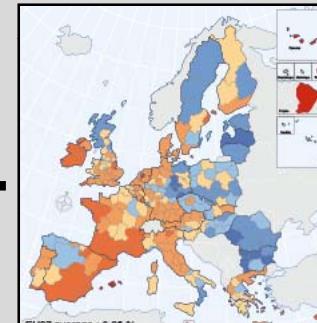
GLOBAL
CONTEXT



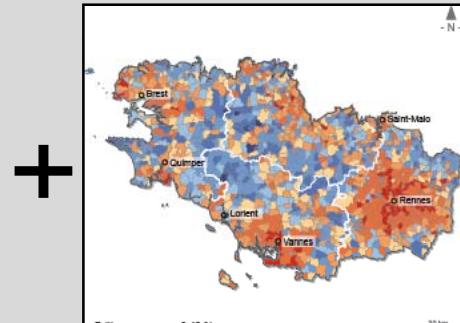
NEIGHBOURHOOD
CONTEXT



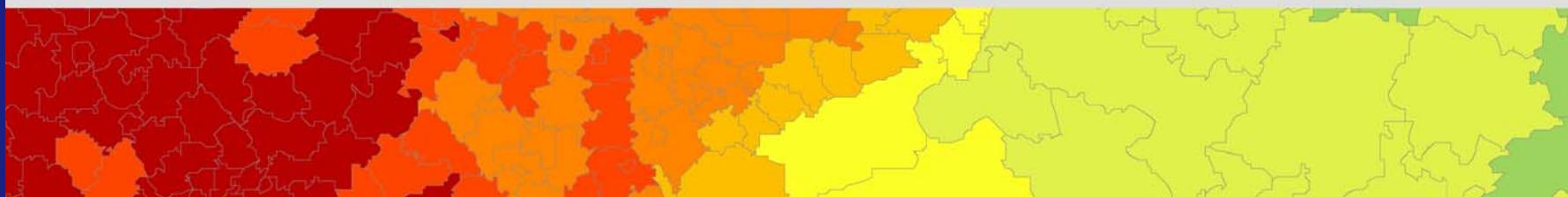
EUROPEAN
CONTEXT



NATIONAL/
REGIONAL
CONTEXT



NEED TO COMBINE POLITICAL ANSWERS TO
DEMOGRAPHIC CHALLENGES AT DIFFERENT LEVELS

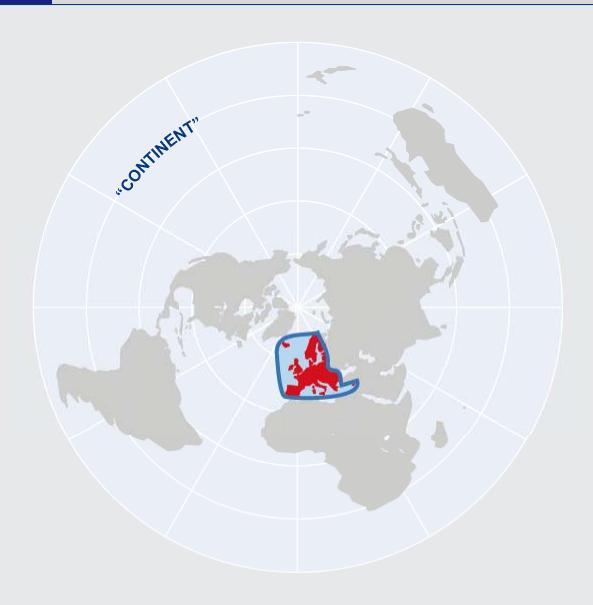


Part II
VISIONS OF EUROPE IN THE WORLD

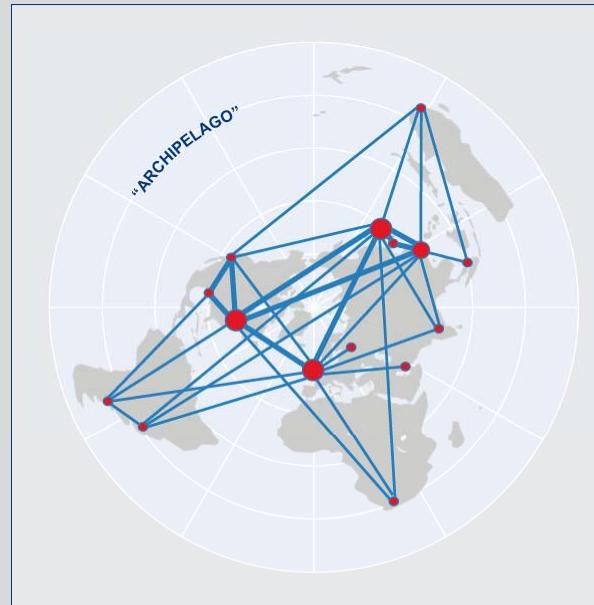


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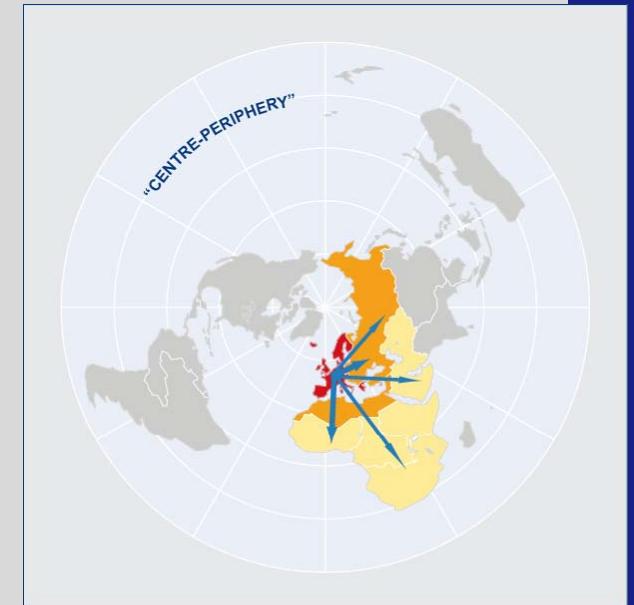
THREE VISIONS OF EU IN THE WORLD



CONTINENT



ARCHIPELAGO

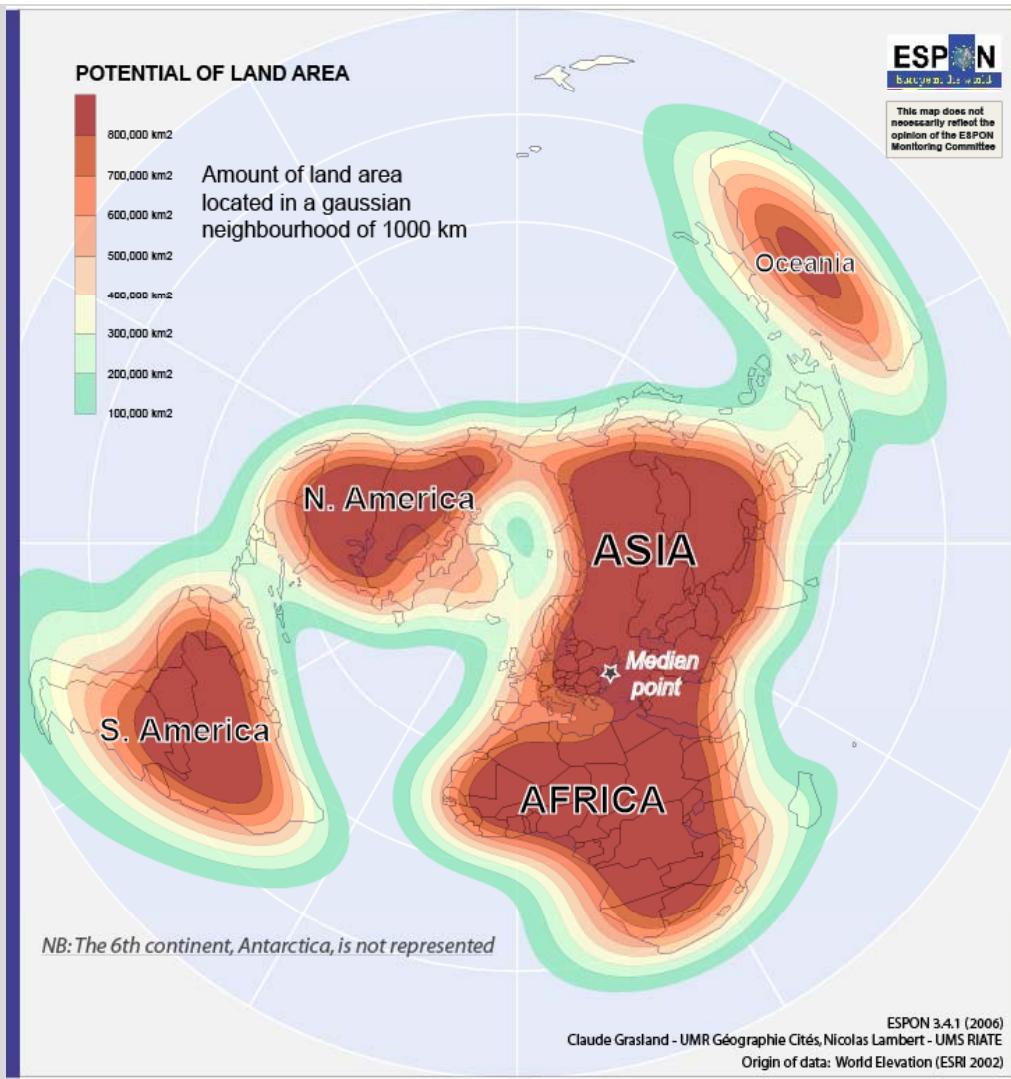


CENTER-
PERIPHERY

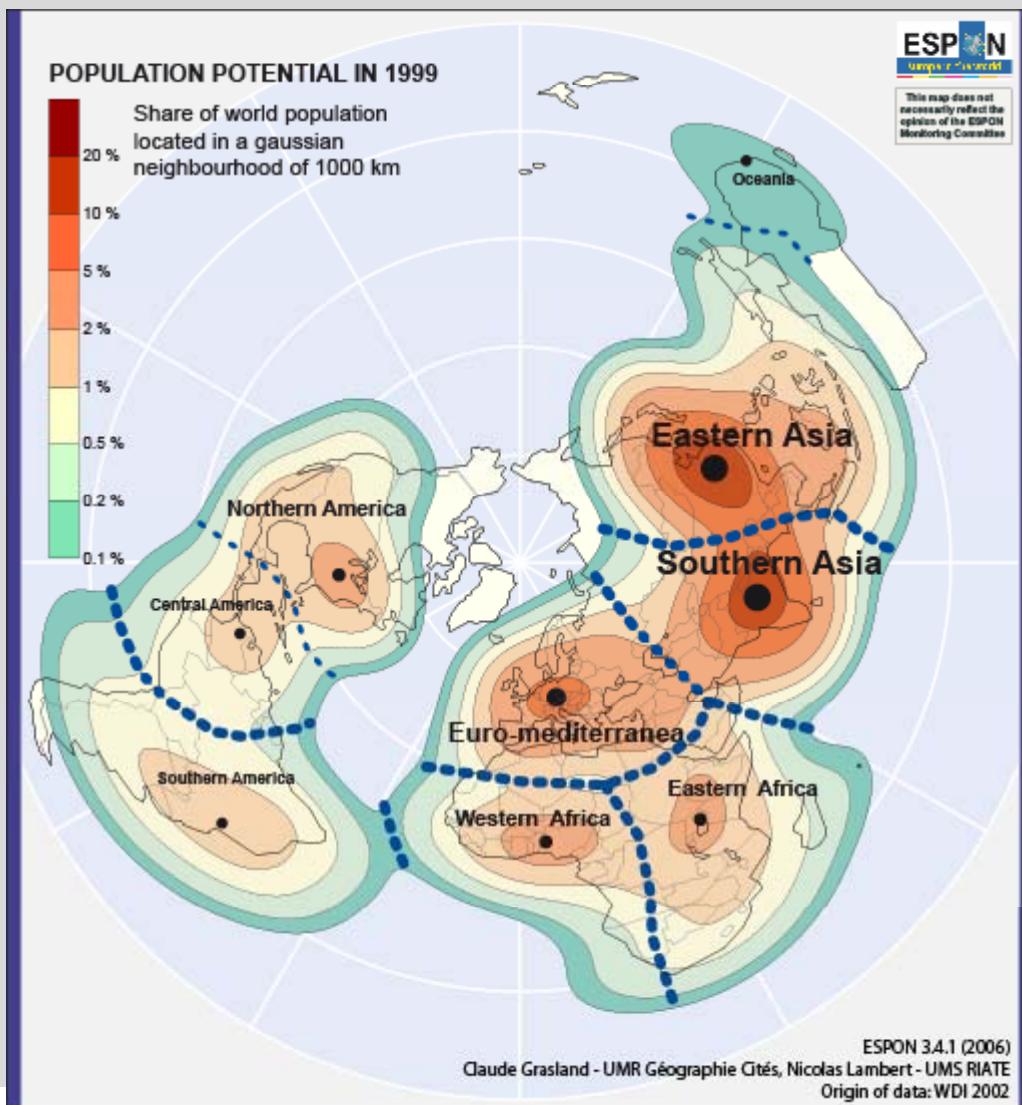
Vision n°1 : EUROPE AS A CONTINENT



A geographic continent ?

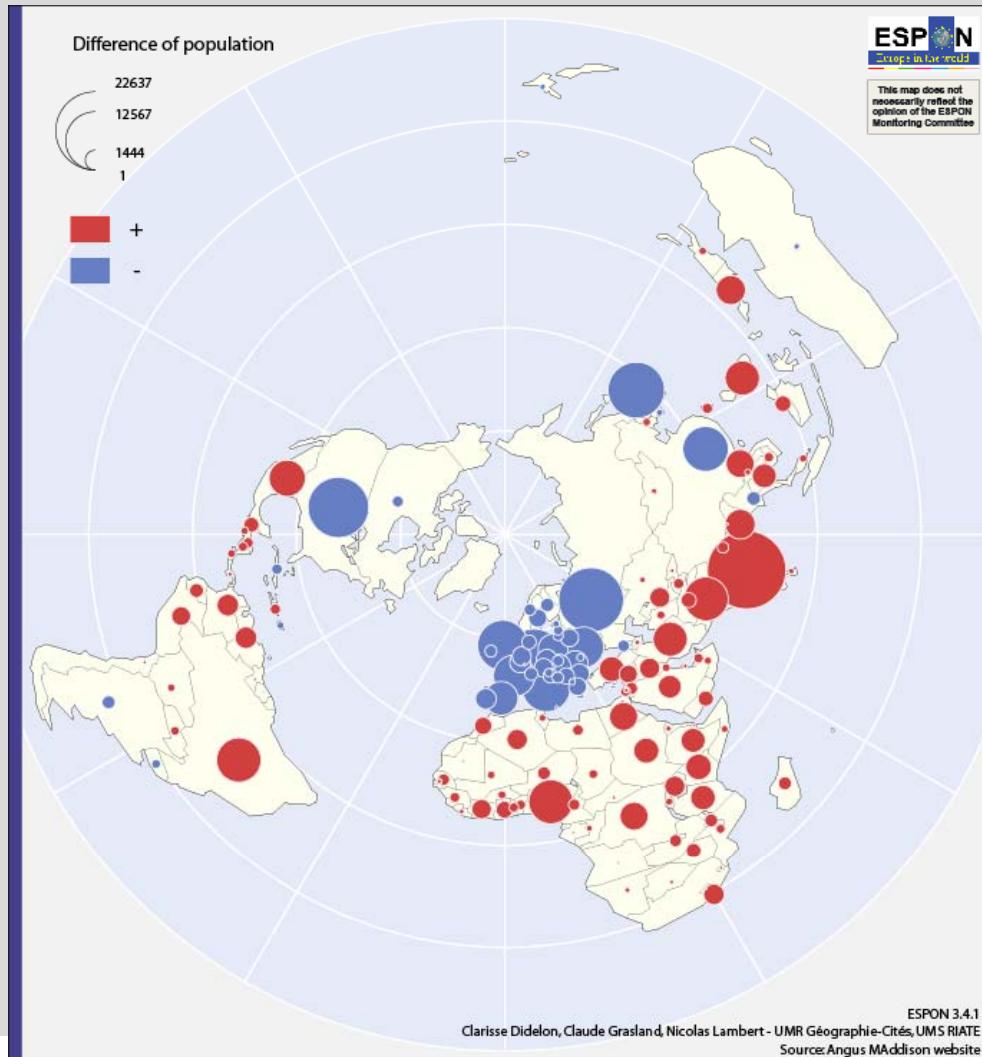


A demographic continent ?

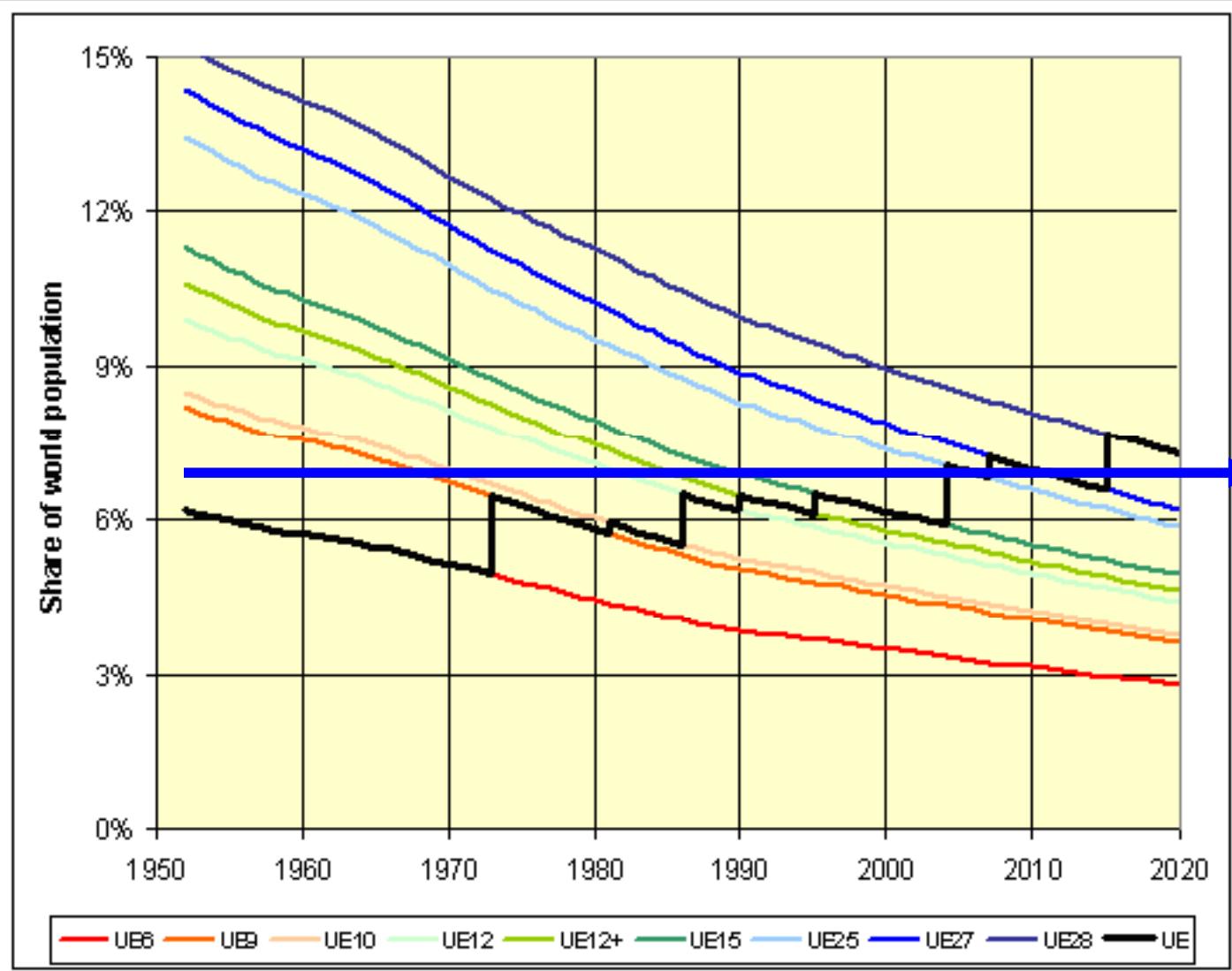




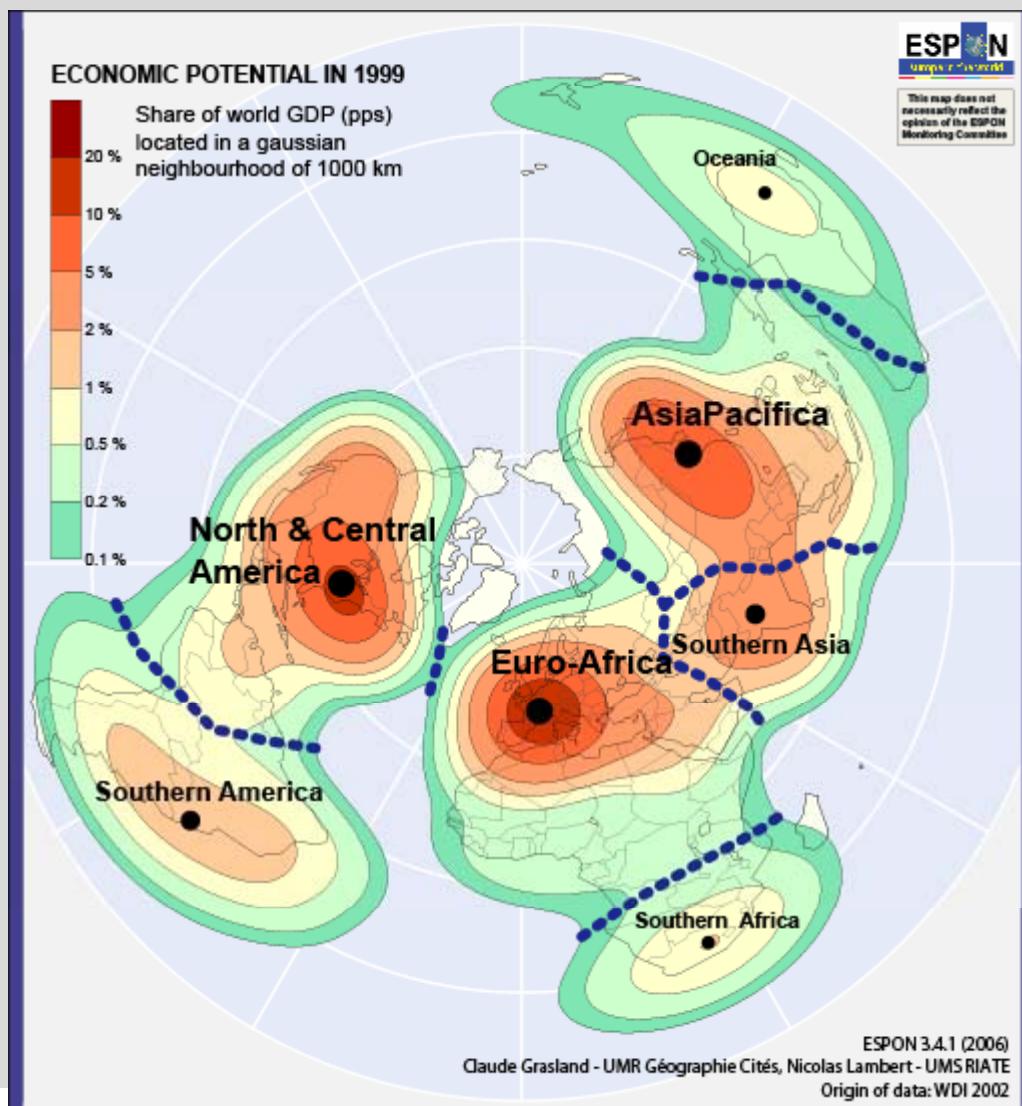
Share of World population by state (1950-2000)



EU share of world-wide population

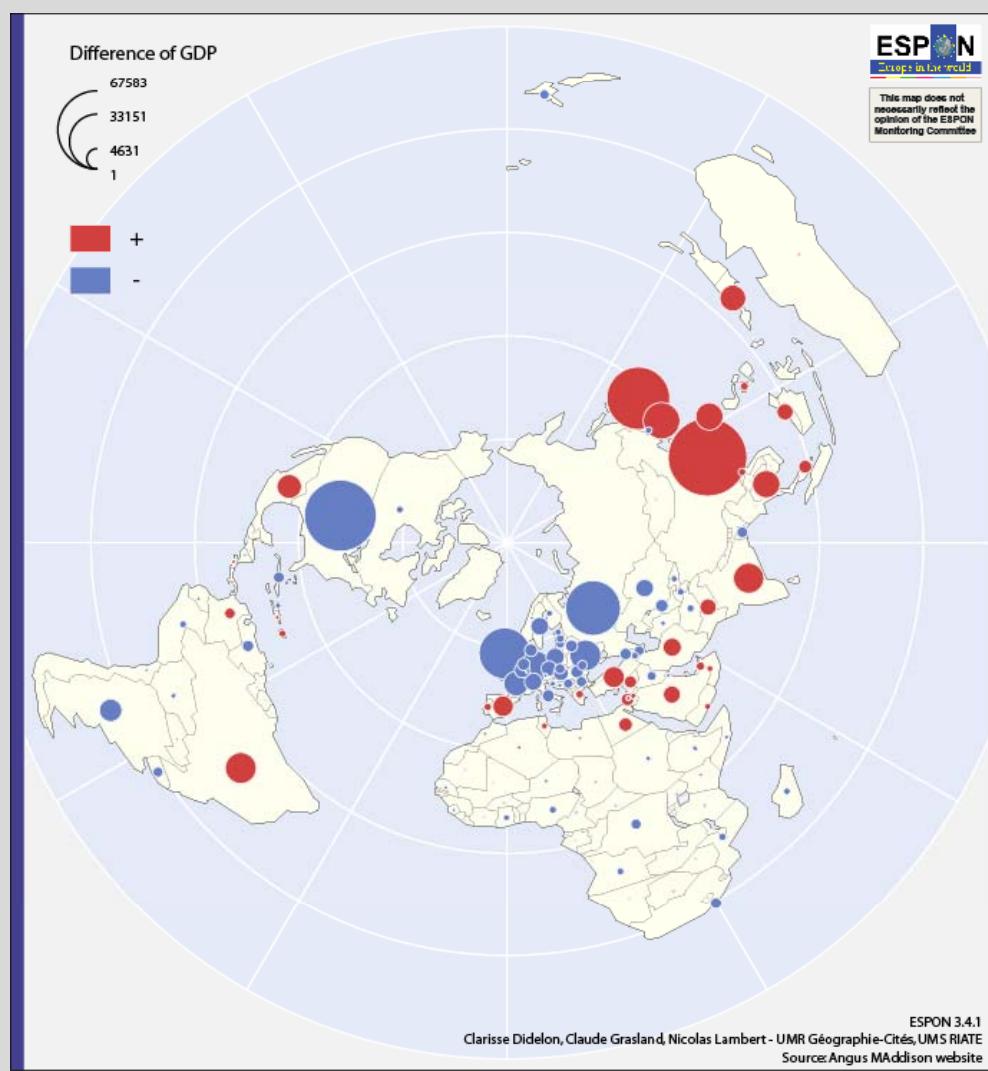


An economic continent ?

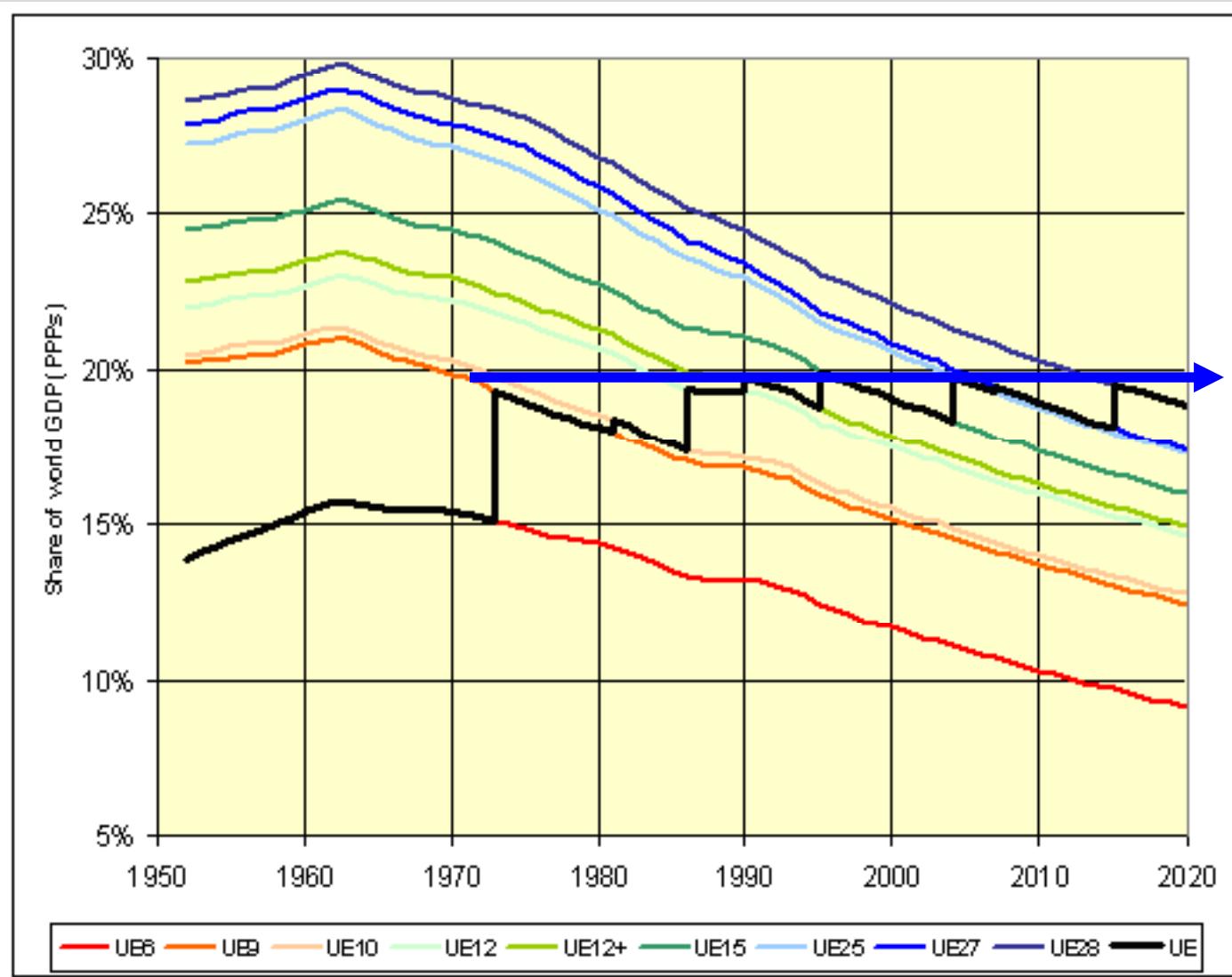




Share of World GDP pps by state (1950-2000)



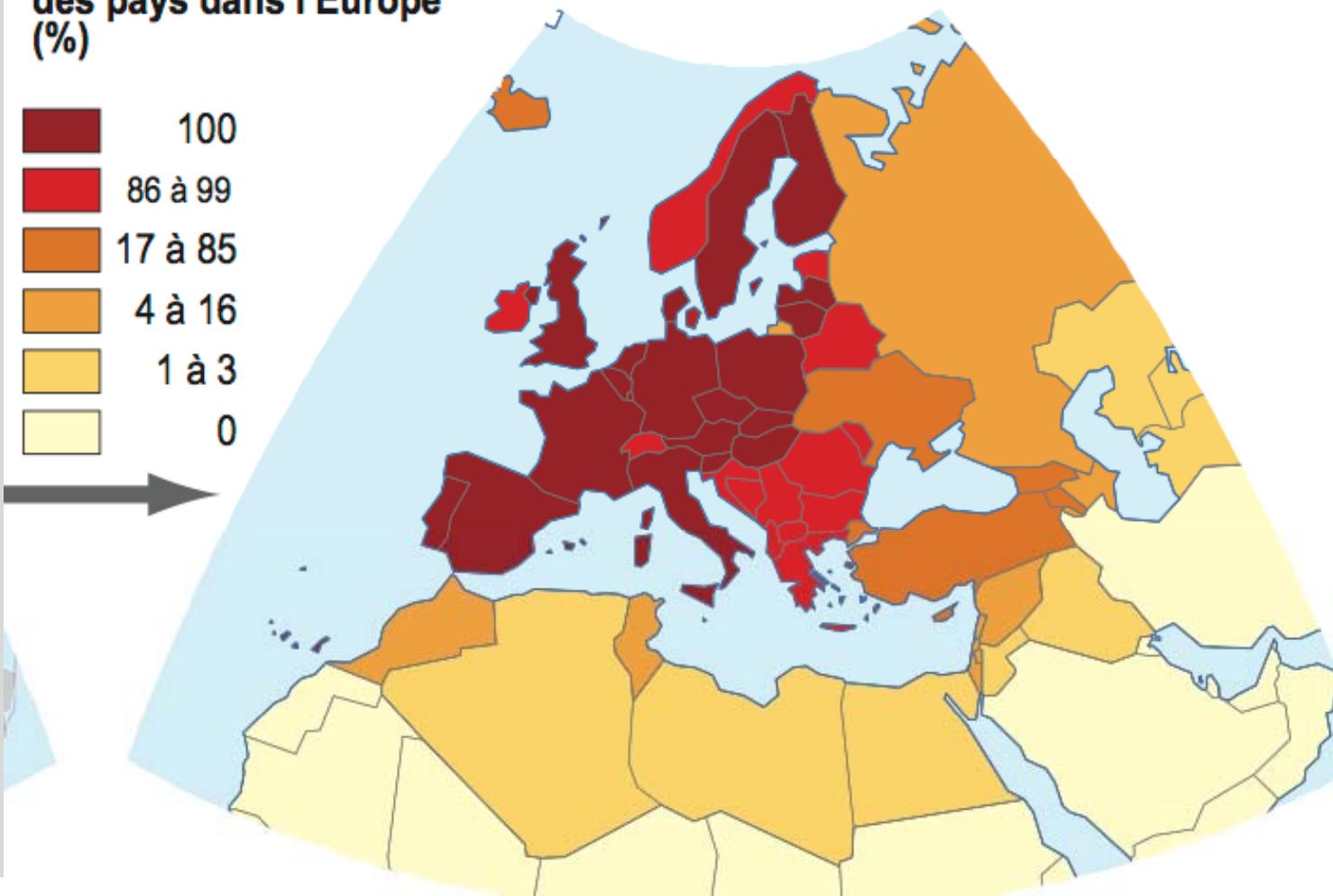
EU share of world-wide GDP pps



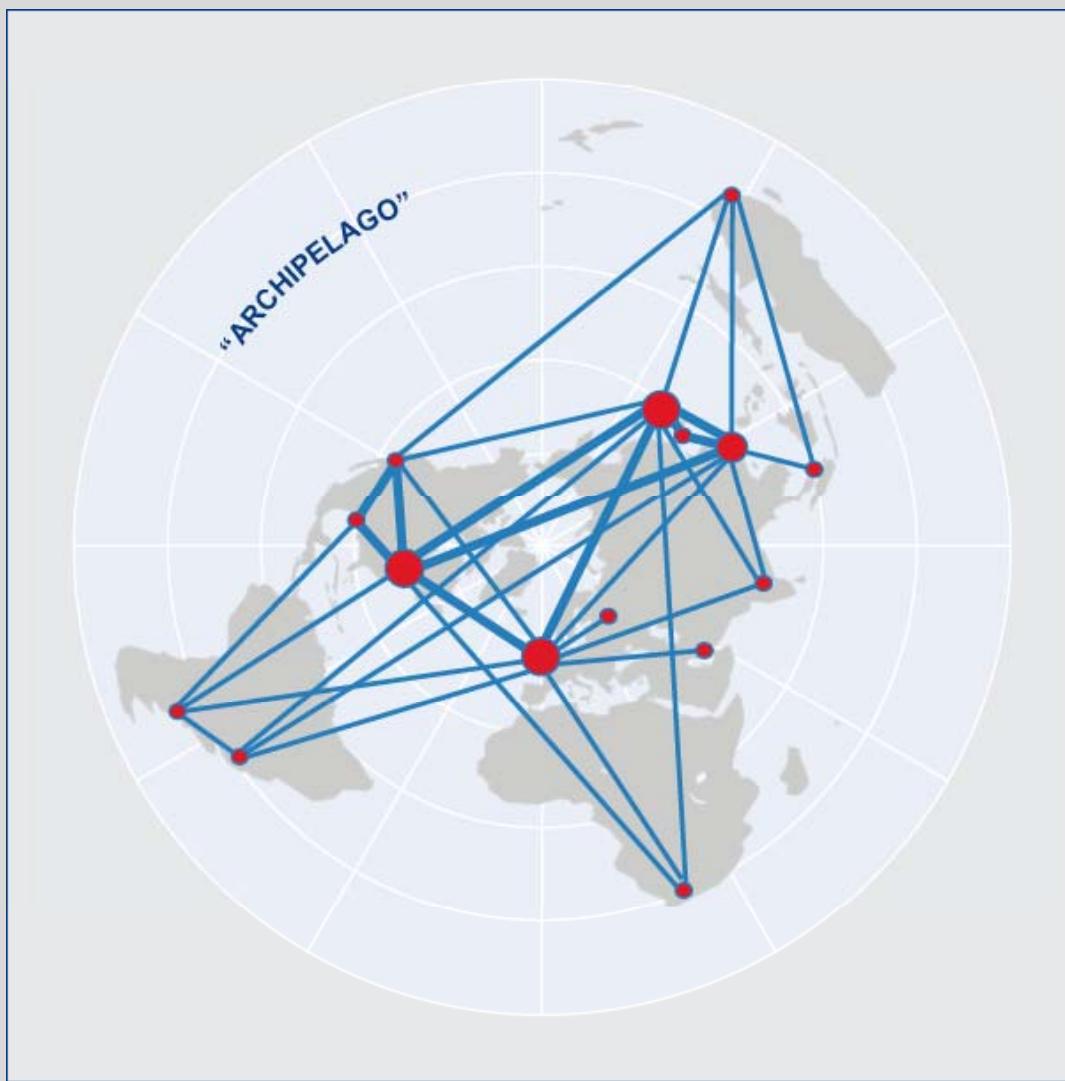
A continent « in the heads » ?

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

- 100
- 86 à 99
- 17 à 85
- 4 à 16
- 1 à 3
- 0

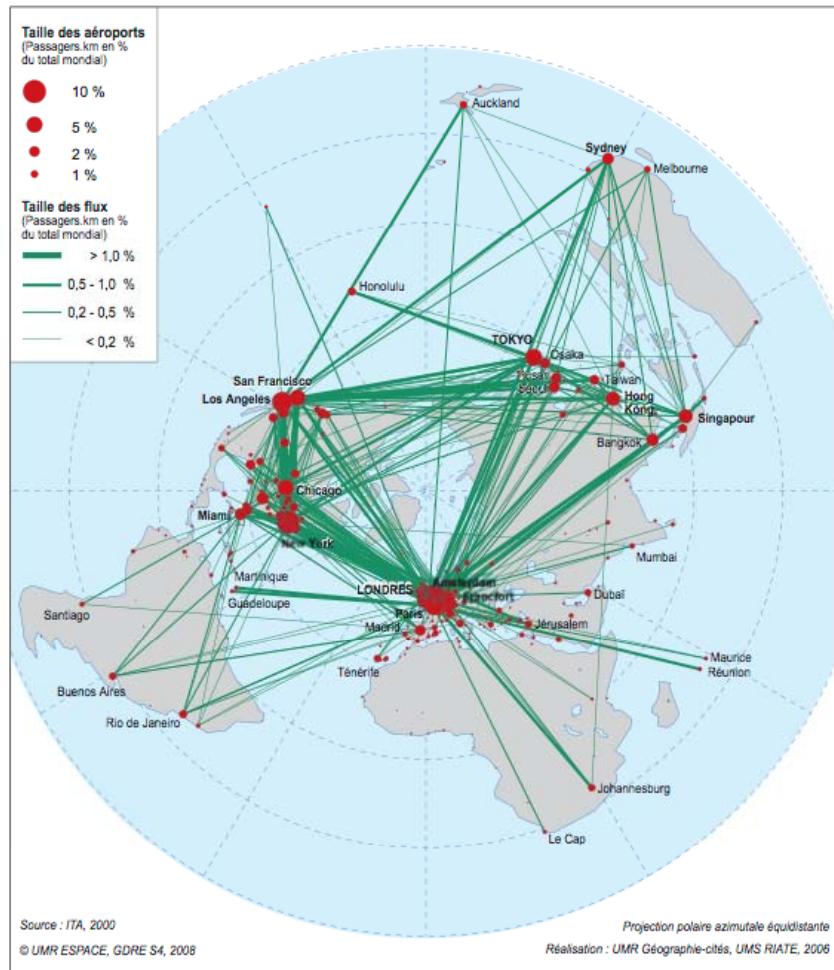


Vision n°2 : EUROPE AS NODE IN NETWORKS

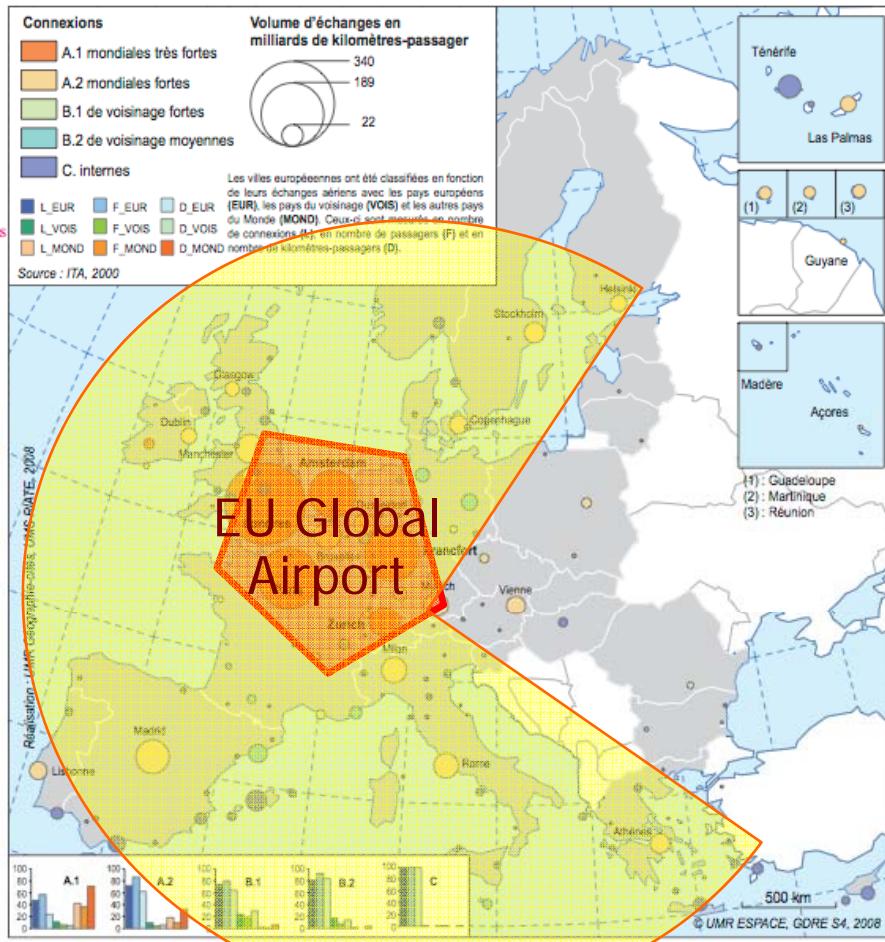


Air network

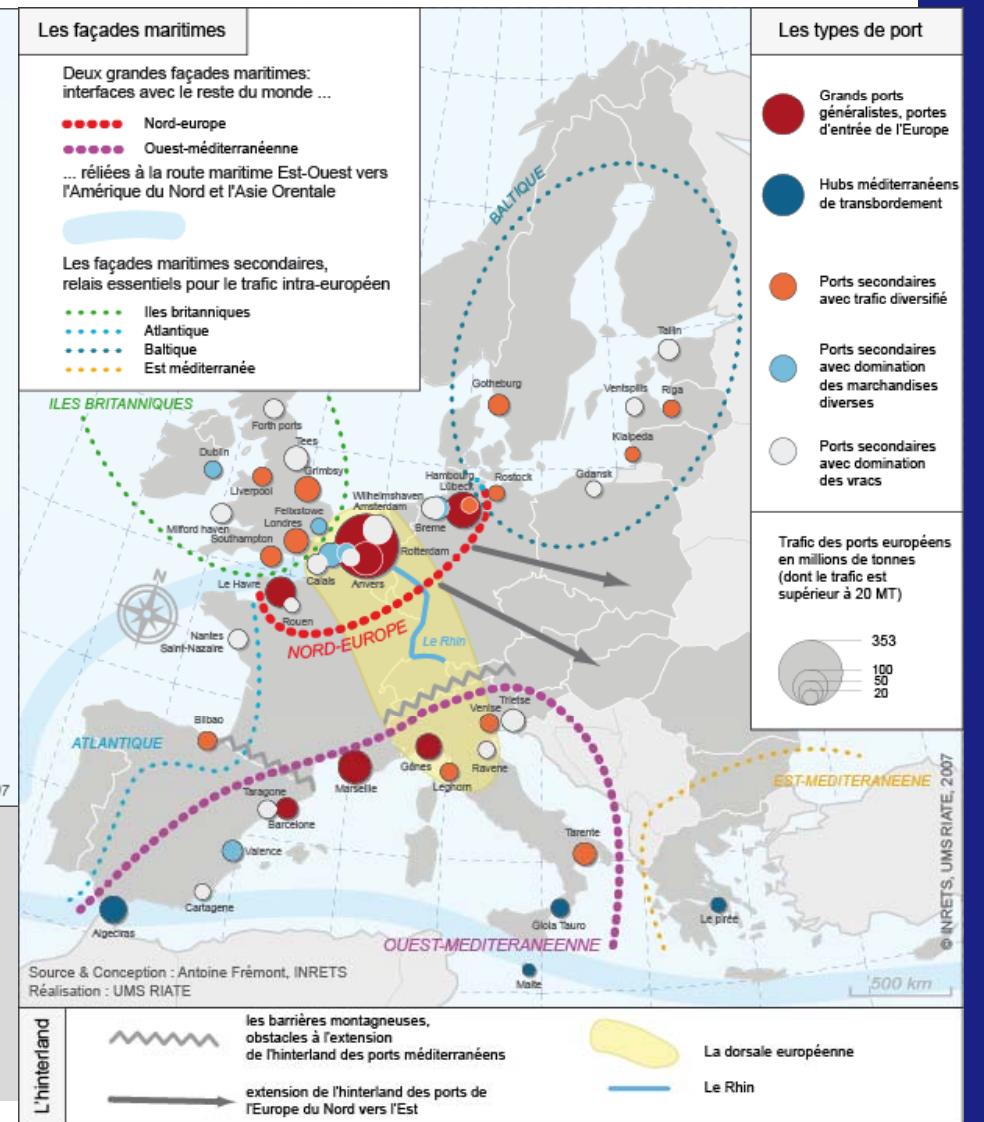
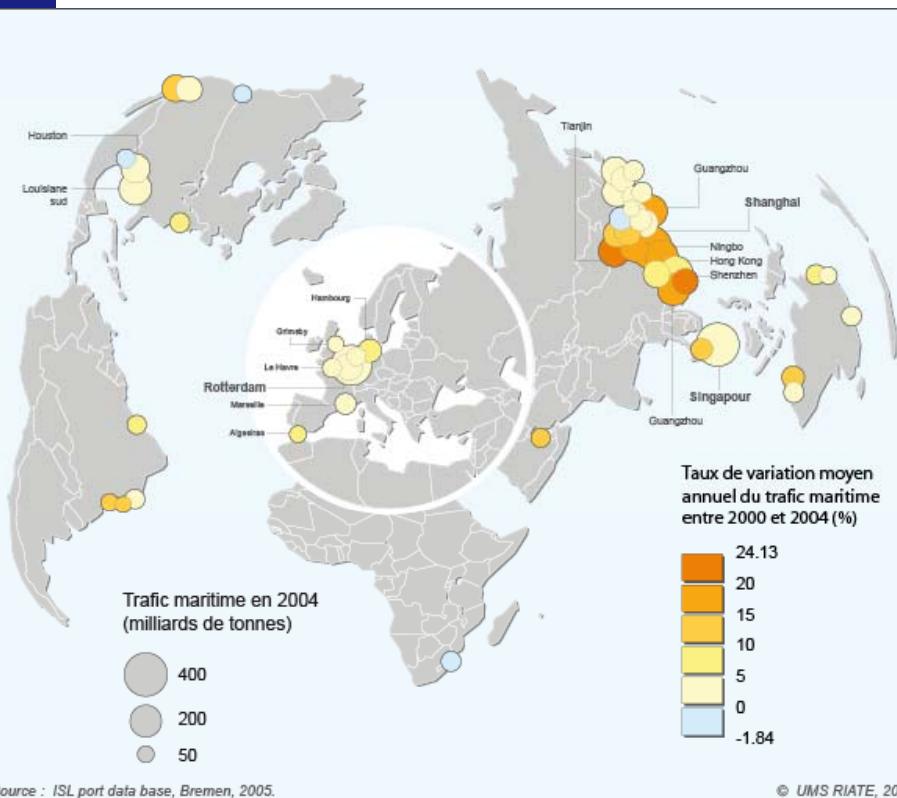
12-7. Flux aériens mesurés en kilomètres-passagers en 2000



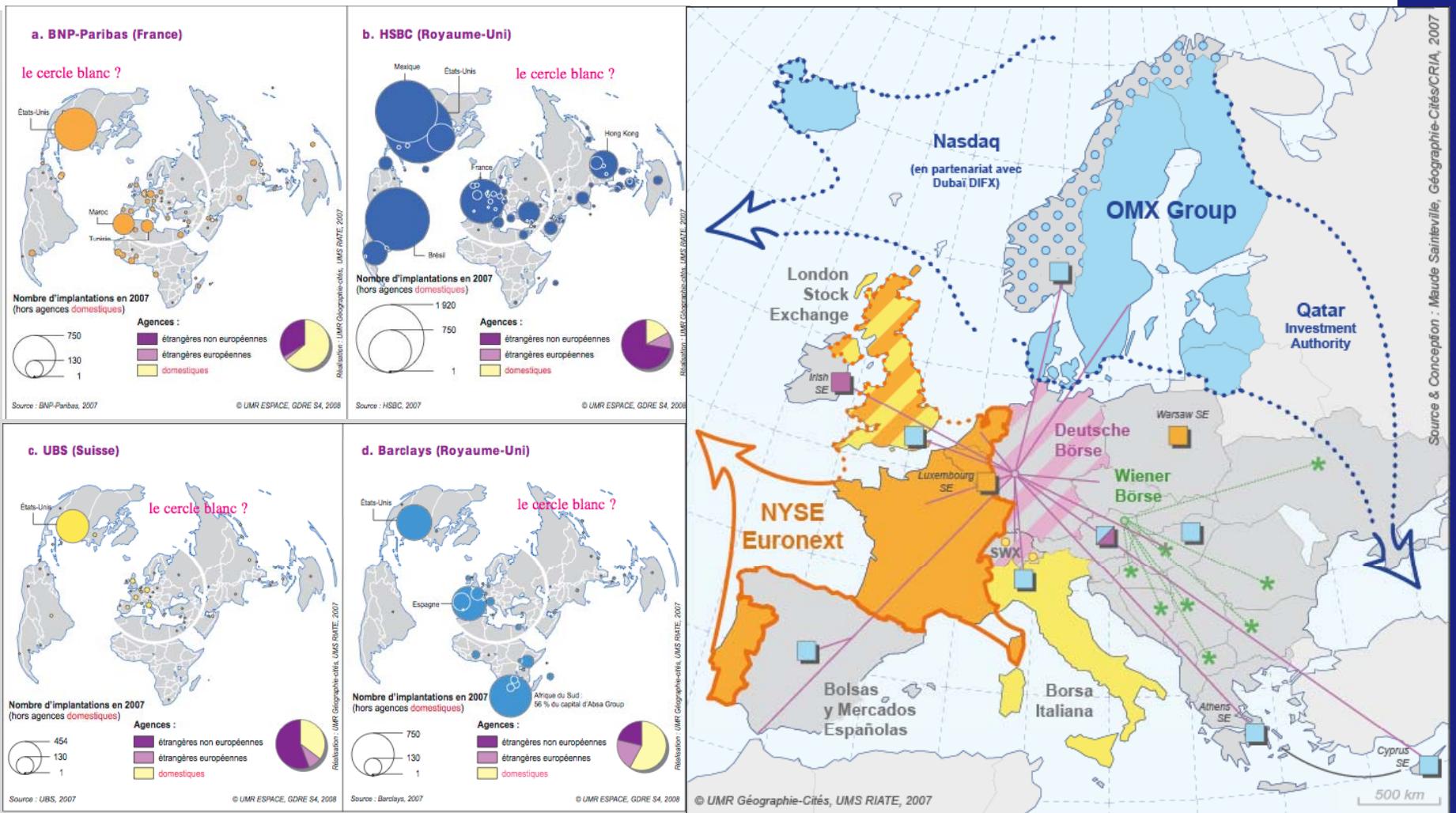
12-9. Typologie des connexions aériennes entre les villes européennes et le reste du monde, 2000



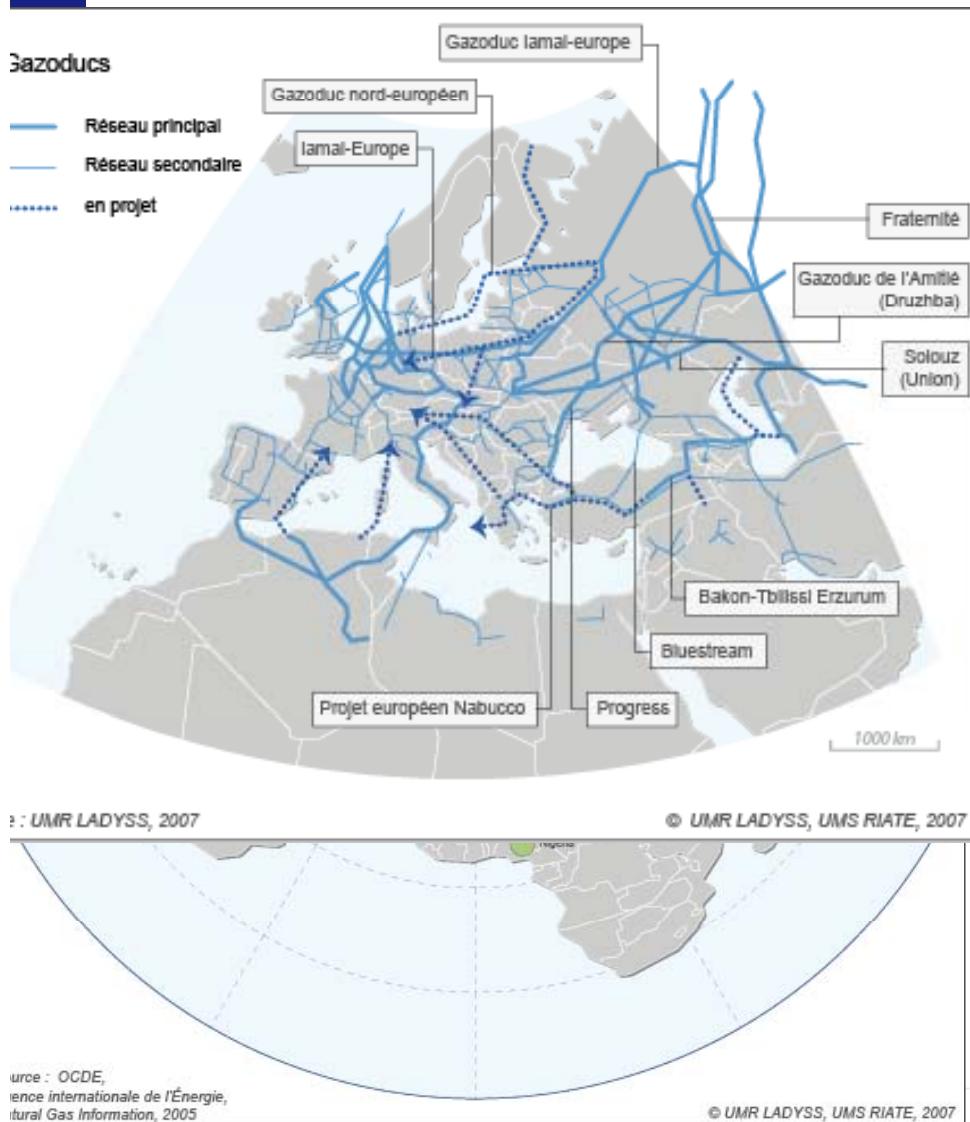
Sea networks



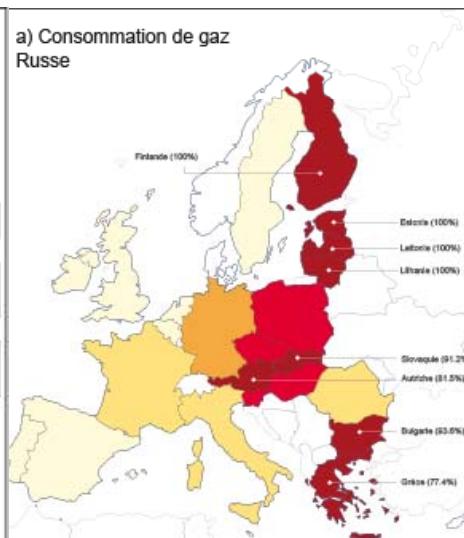
Bank networks



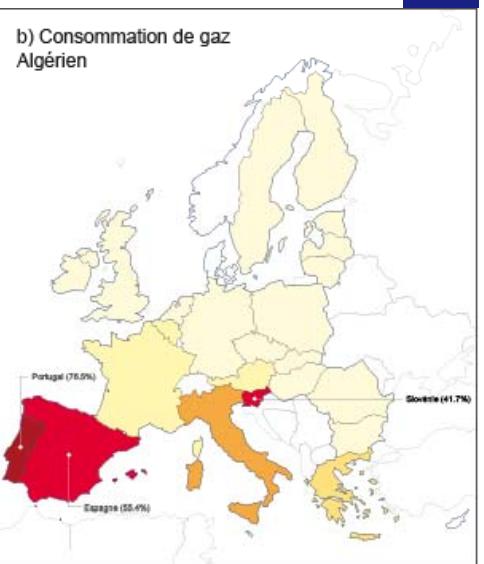
Energy networks



a) Consommation de gaz
Russe



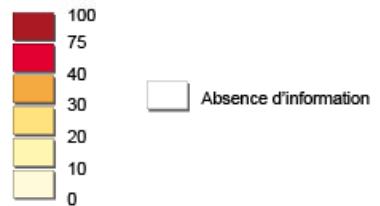
b) Consommation de gaz
Algérien



c) Consommation de gaz
Norvégien

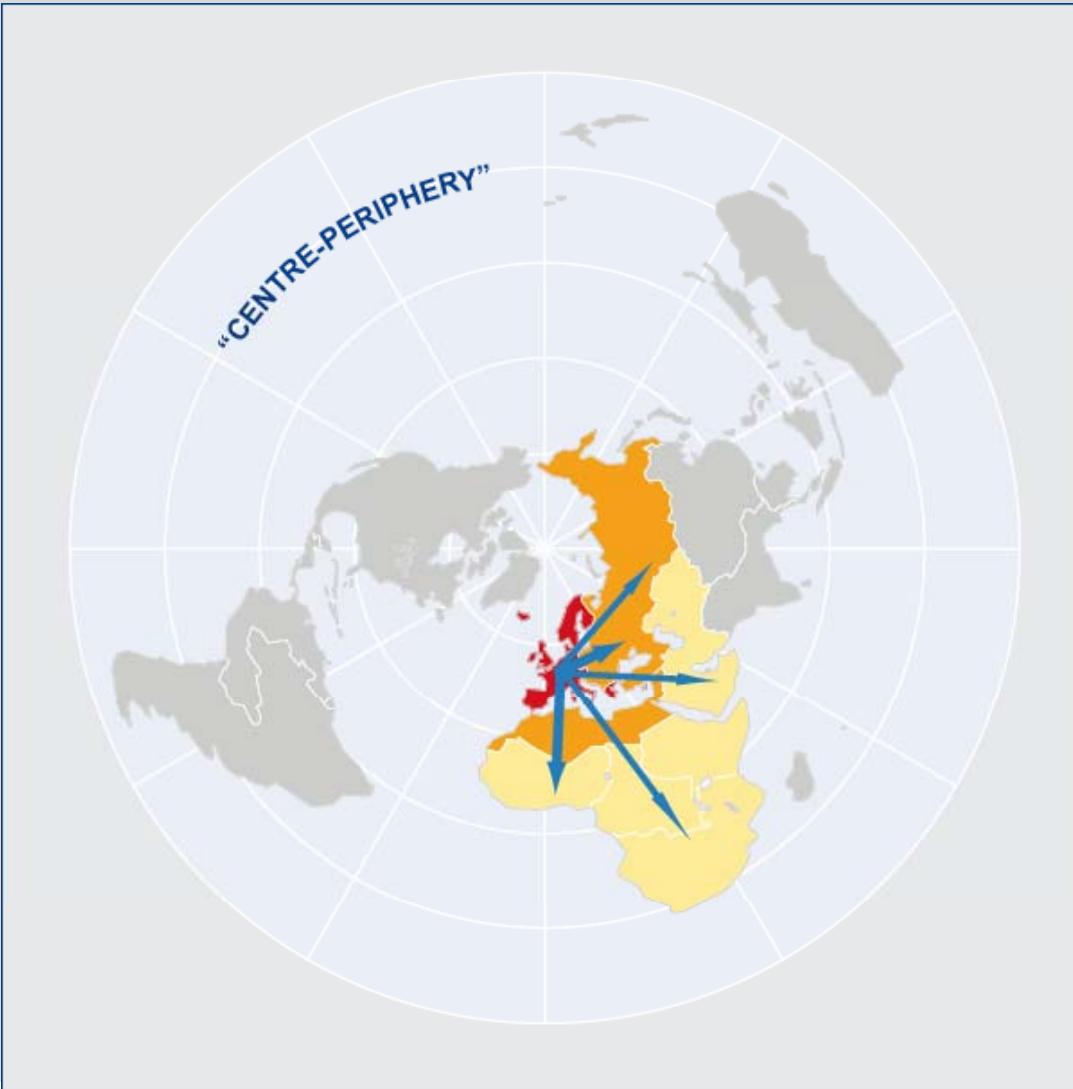


Part de la consommation de gaz russe, algérien ou norvégien, dans la consommation totale du pays (%)

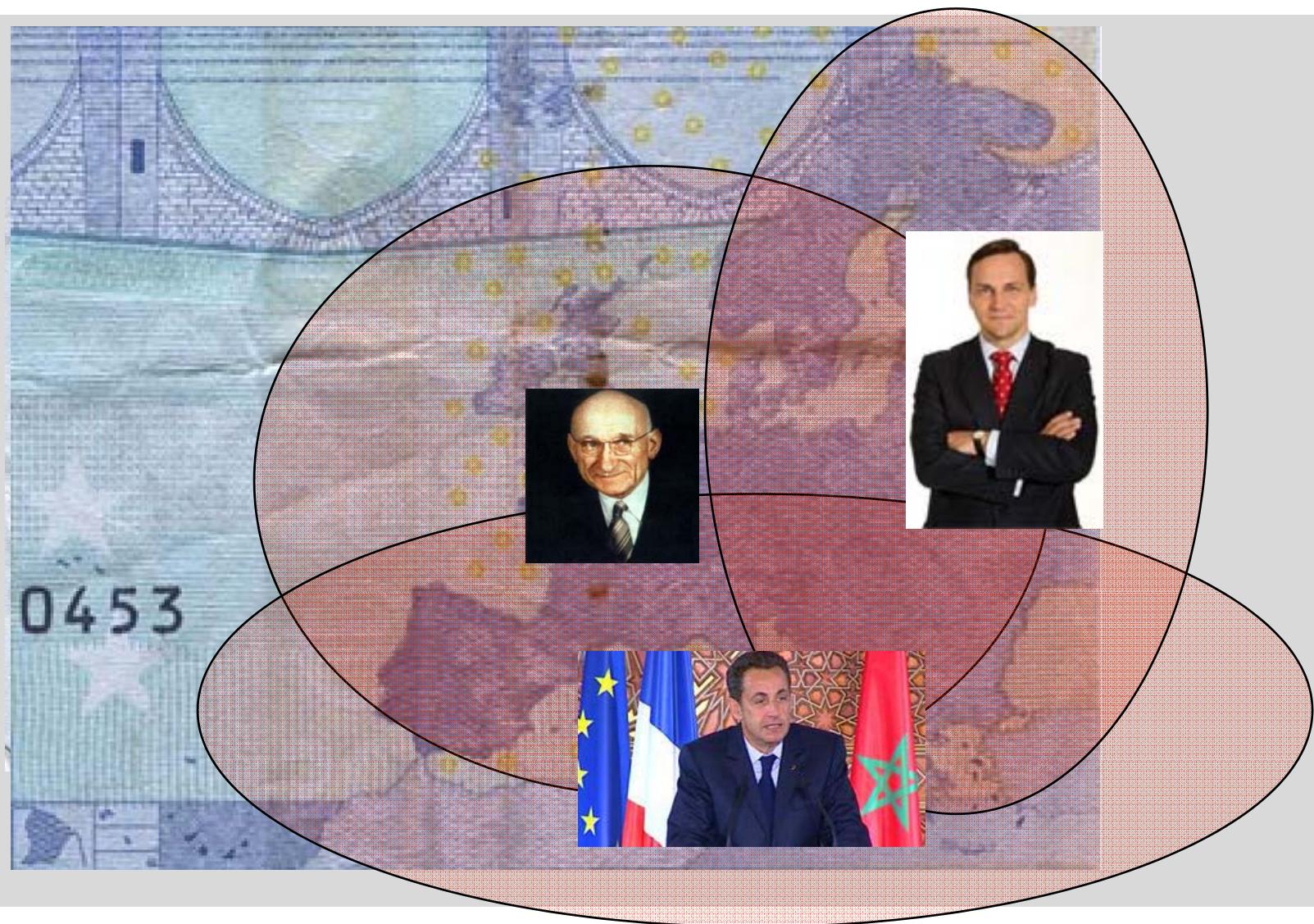


NB : moyenne annuelle 2002 - 2004
pour tous les pays sauf pour le Luxembourg :
moyenne annuelle 1999 - 2000

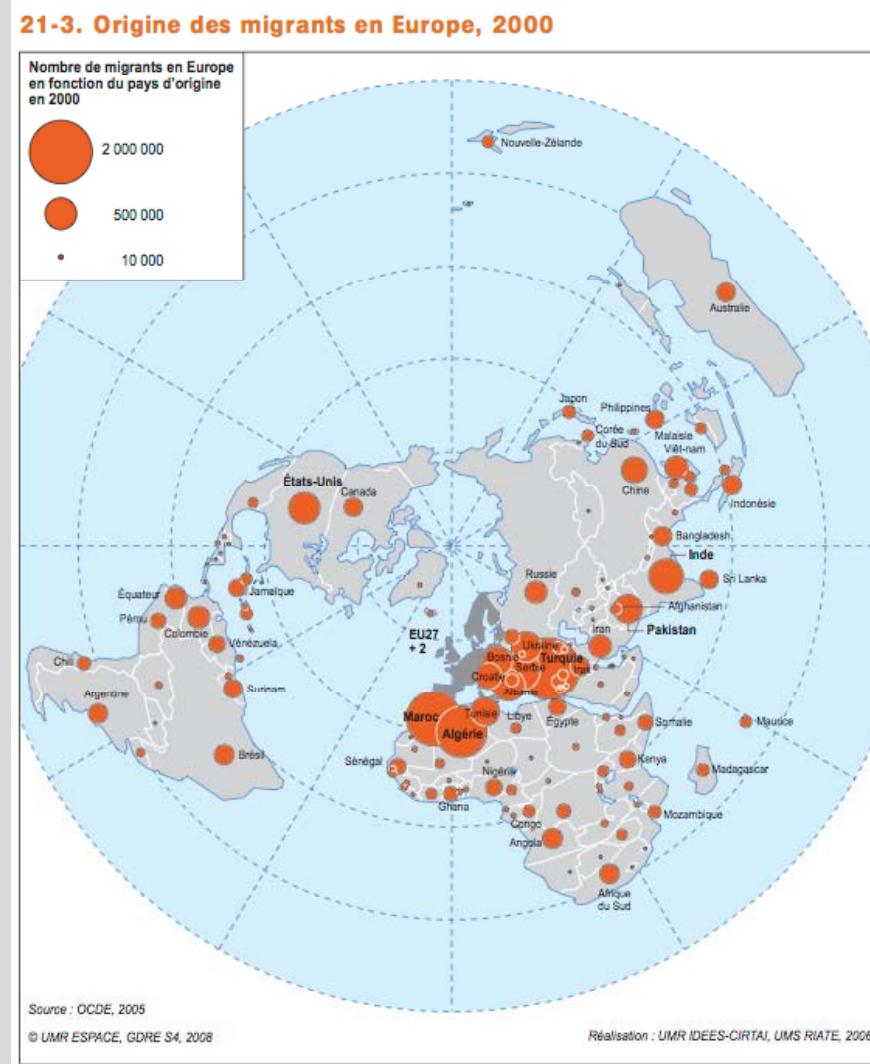
Vision n°3 : EUROPE AS CENTER WITH DOMINATED PERIPHERIES



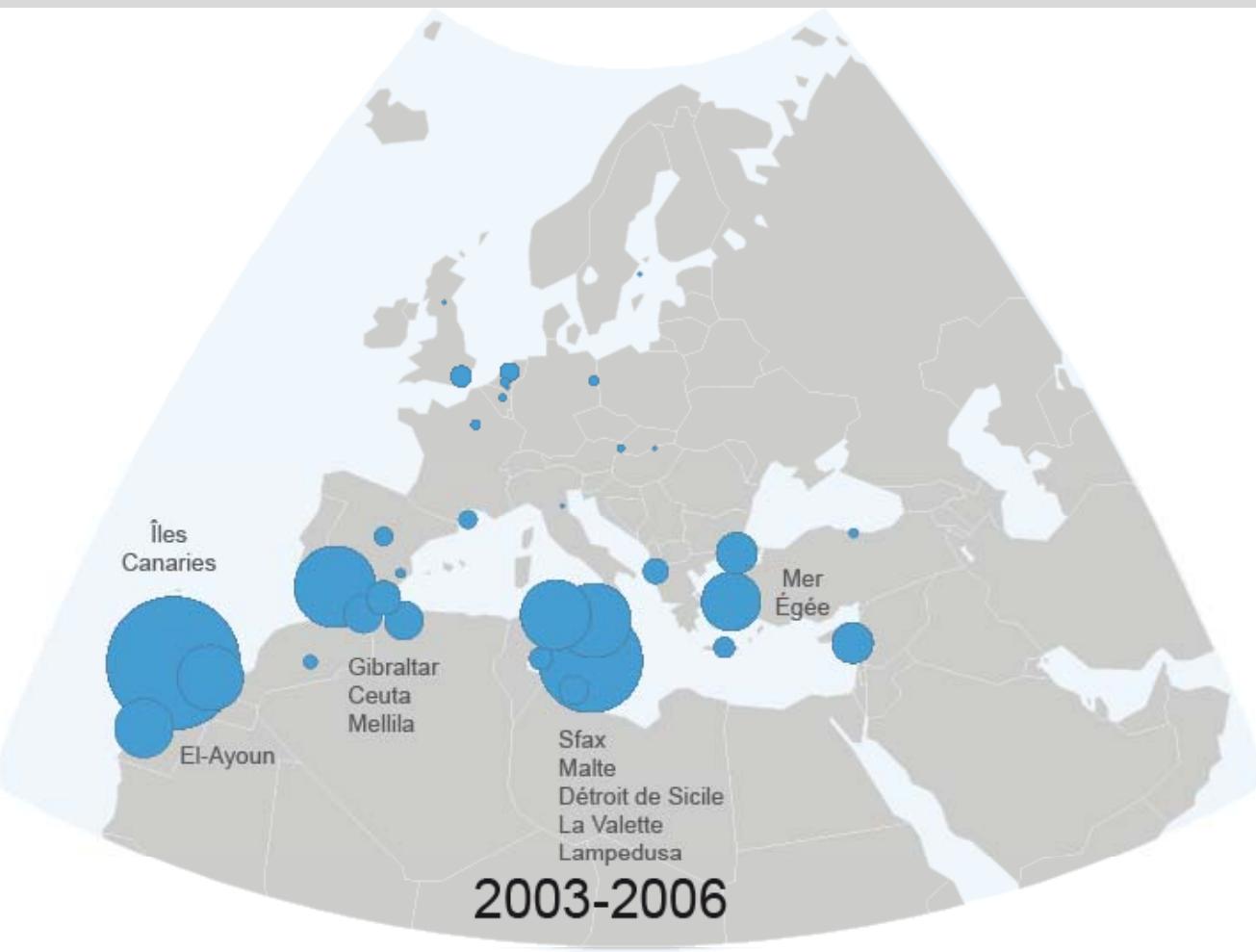
Which priority for neighbourhood policy ?



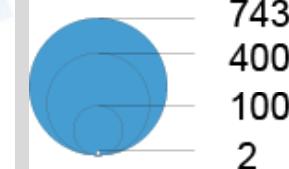
Legal migration : more globalised



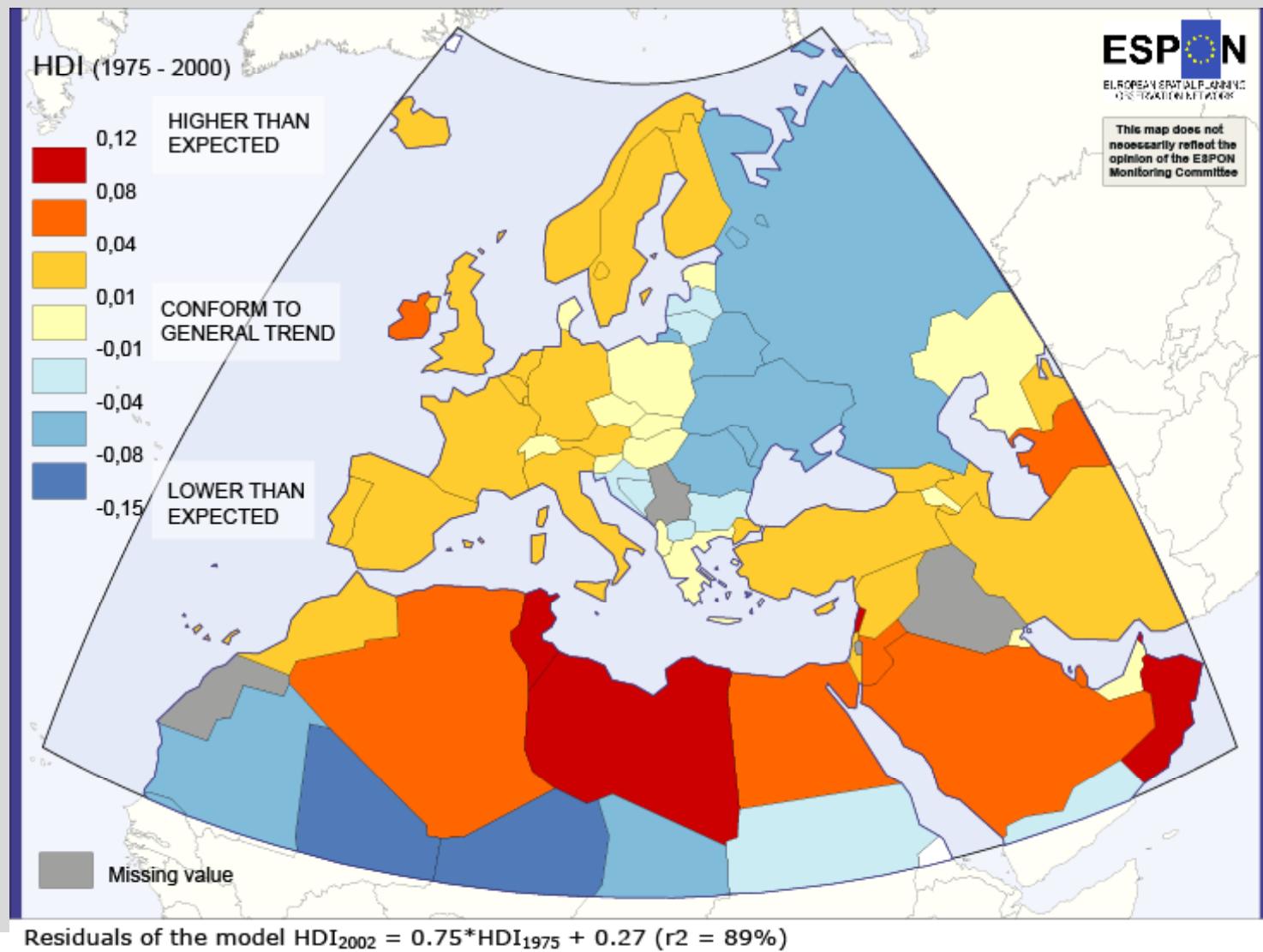
Illegal migration: always regional



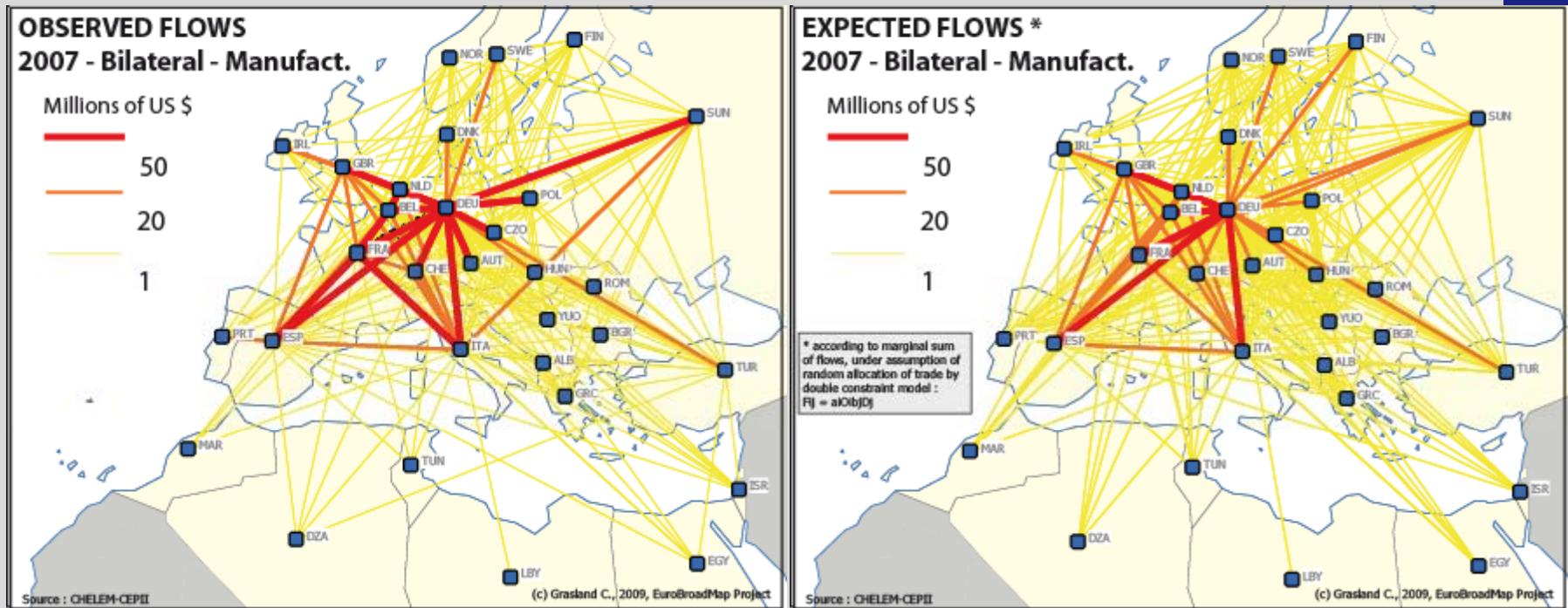
Number of registered deaths



Dynamic of human development

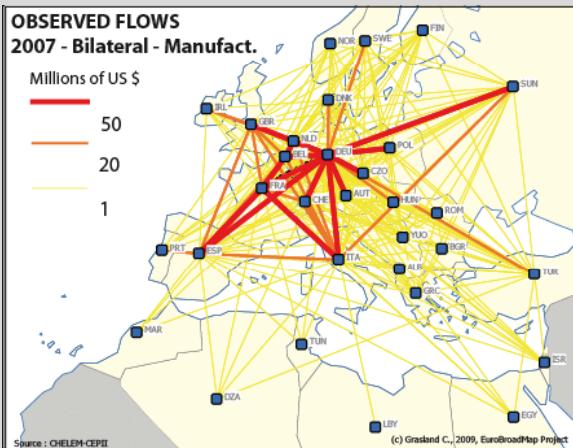


Trade 2007 Manufacture bilateral Observed & Expected flows

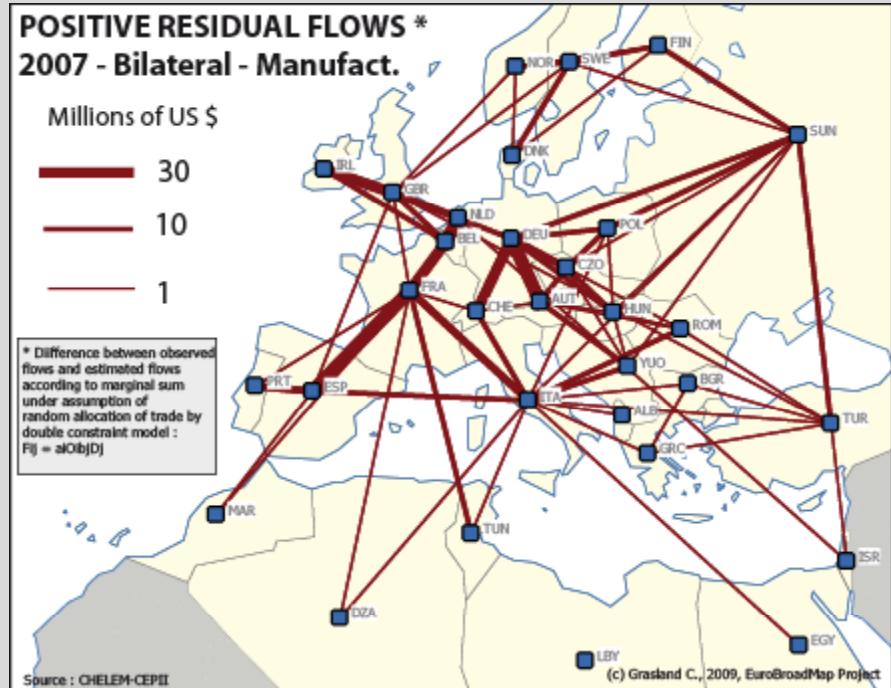
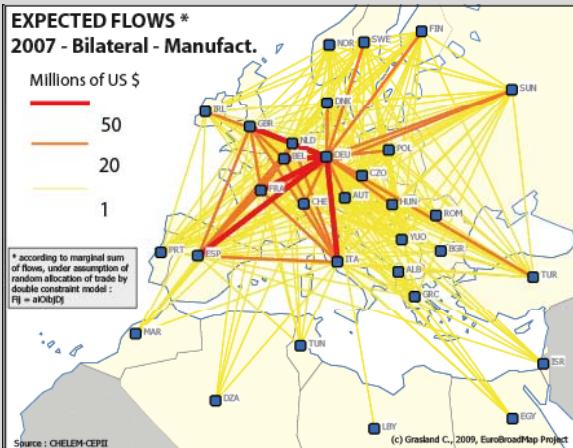


Modelisation

Trade 2007 Manufacture bilateral Residual flows



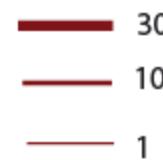
Residuals



Trade 2007 Manufacture bilateral Correlation between residual flows

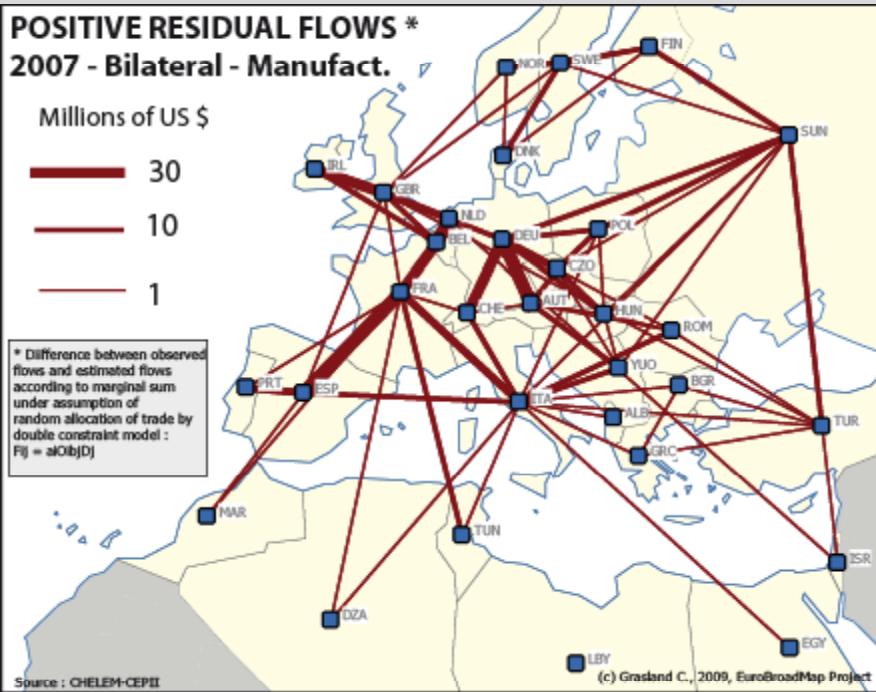
POSITIVE RESIDUAL FLOWS *2007 - Bilateral - Manuf.

Millions of US \$



* Difference between observed flows and estimated flows according to marginal sum under assumption of random allocation of trade by double constraint model :
 $F_{ij} = \alpha D_{ij} / D_j$

Source : CHELEM-CEPII



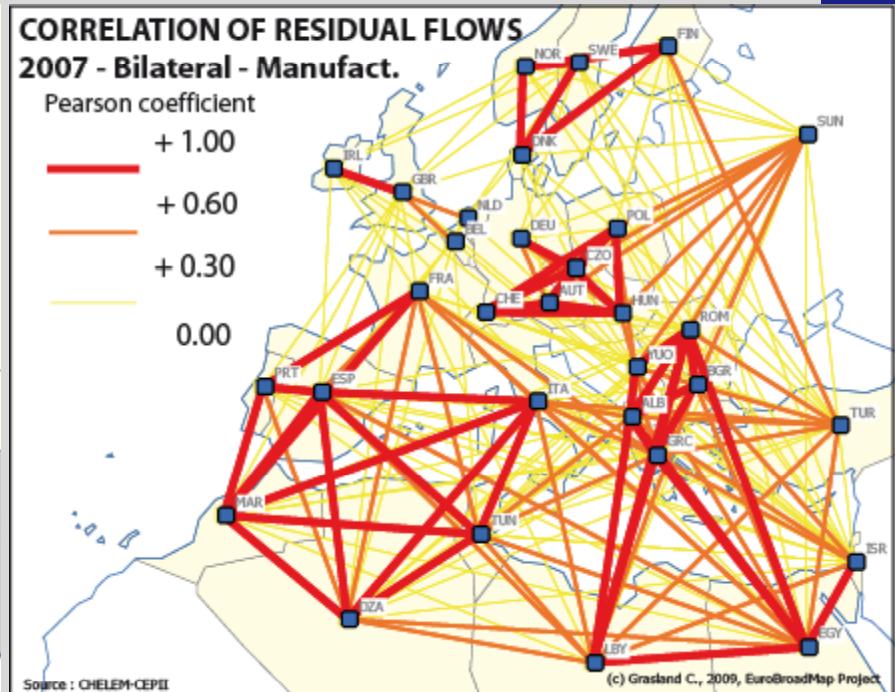
CORRELATION OF RESIDUAL FLOWS

2007 - Bilateral - Manuf.

Pearson coefficient

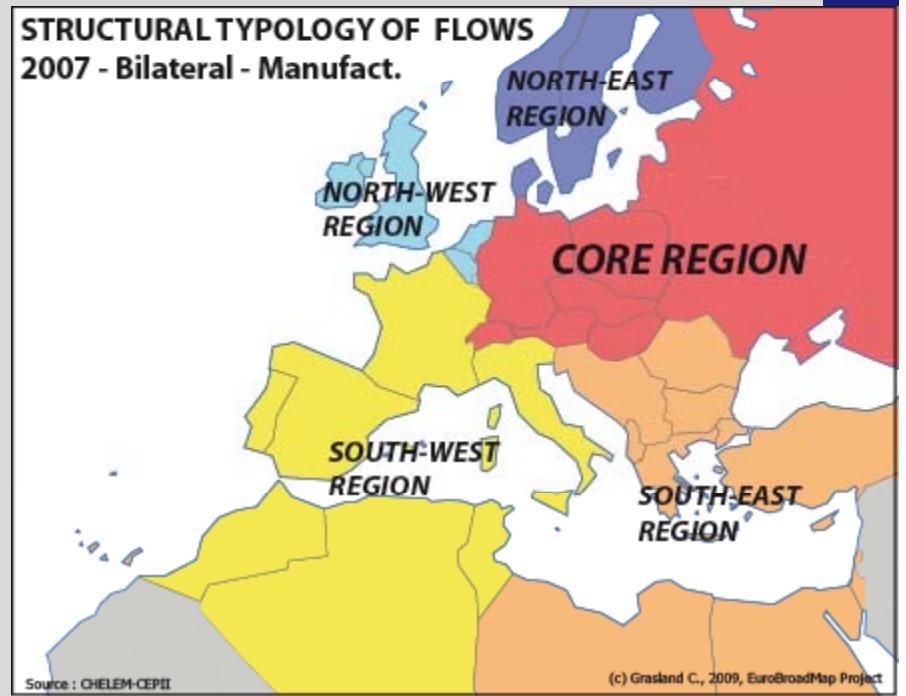
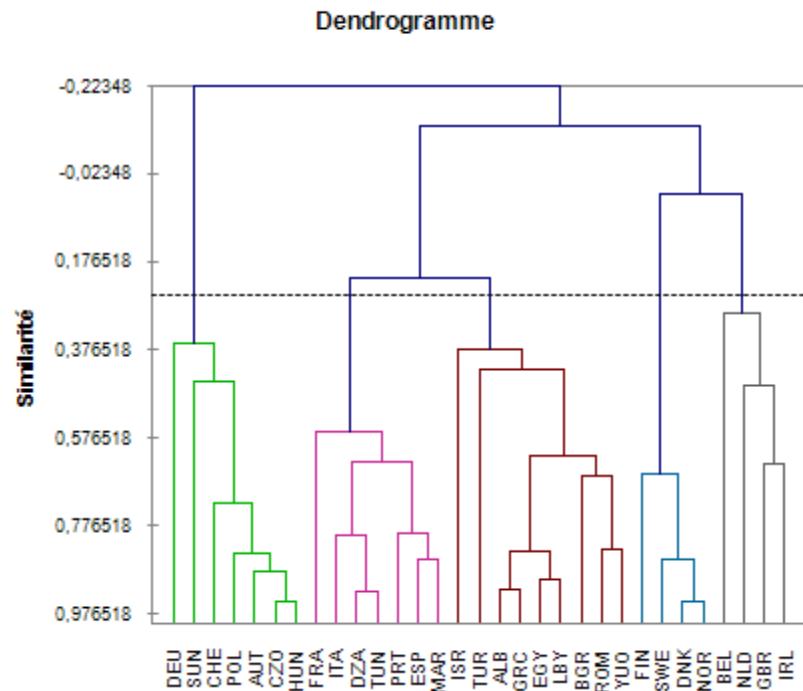


Source : CHELEM-CEPII



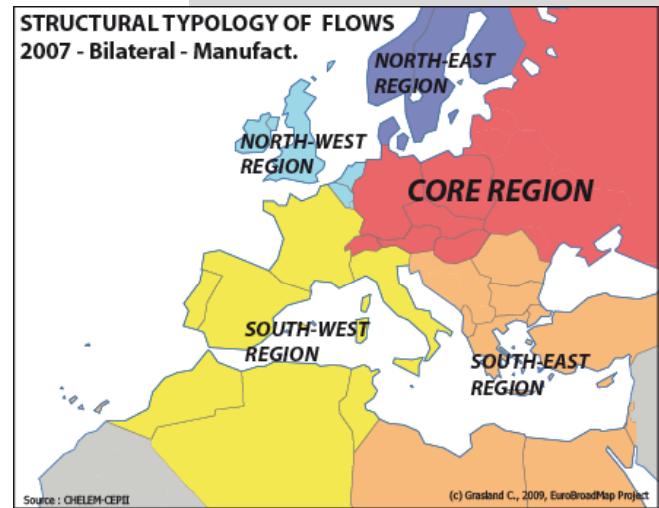
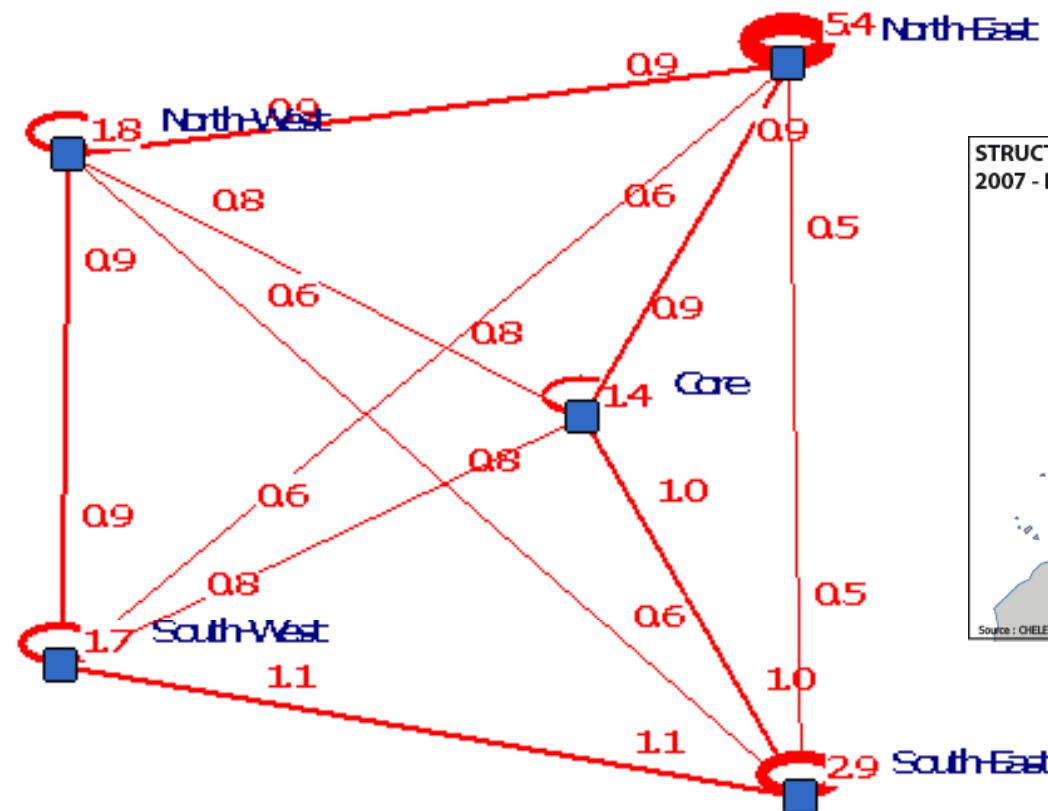
Correlation

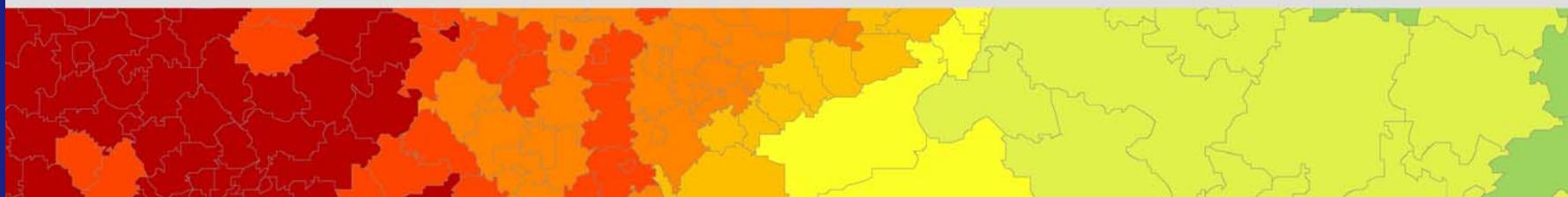
Trade 2007 Manufacture bilateral Cluster analysis



Vij	Core	North-East	North-West	South-East	South-West	Total général
Core	1069967	172093	544630	165127	604974	2556791
North-East	172093	123543	103539	14090	68522	481787
North-West	544630	103539	474818	60499	393240	1576726
South-East	165127	14090	60499	54181	119878	413776
South-West	604974	68522	393240	119878	587755	1774370
Total généra	2556791	481787	1576726	413776	1774370	6803449
Estimated flows						
Vij	Core	North-East	North-West	South-East	South-West	Total général
Core	749978	196142	674616	167195	768859	2556791
North-East	196142	22842	110073	27280	125450	481787
North-West	674616	110073	266735	93828	431474	1576726
South-East	167195	27280	93828	18539	106935	413776
South-West	768859	125450	431474	106935	341652	1774370
Total générat	2556791	481787	1576726	413776	1774370	6803449
Absolute residuals						
Vij	Core	North-East	North-West	South-East	South-West	Total général
Core	319989	-24049	-129986	-2068	-163885	0
North-East	-24049	100701	-6534	-13190	-56927	0
North-West	-129986	-6534	208082	-33328	-38234	0
South-East	-2068	-13190	-33328	35642	12943	0
South-West	-163885	-56927	-38234	12943	246103	0
Total générat	0	0	0	0	0	0
Relative residuals						
Vij	Core	North-East	North-West	South-East	South-West	Total général
Core	1,43	0,88	0,81	0,99	0,79	1,00
North-East	0,88	5,41	0,94	0,52	0,55	1,00
North-West	0,81	0,94	1,78	0,64	0,91	1,00
South-East	0,99	0,52	0,64	2,92	1,12	1,00
South-West	0,79	0,55	0,91	1,12	1,72	1,00
Total générat	1,00	1,00	1,00	1,00	1,00	1,00

Trade 2007 Manufacture bilateral



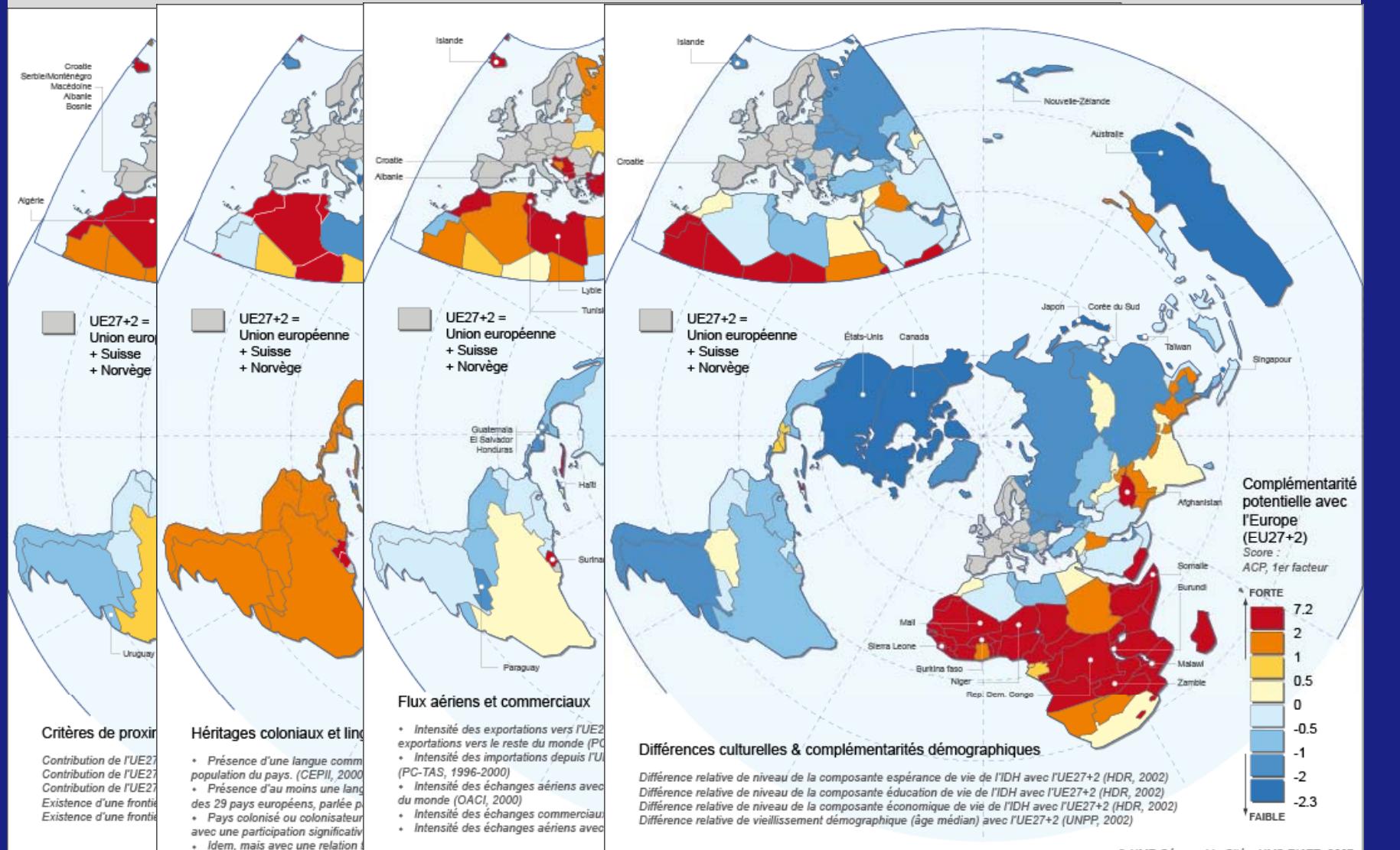


Part III TOWARD A STRATEGIC VISION



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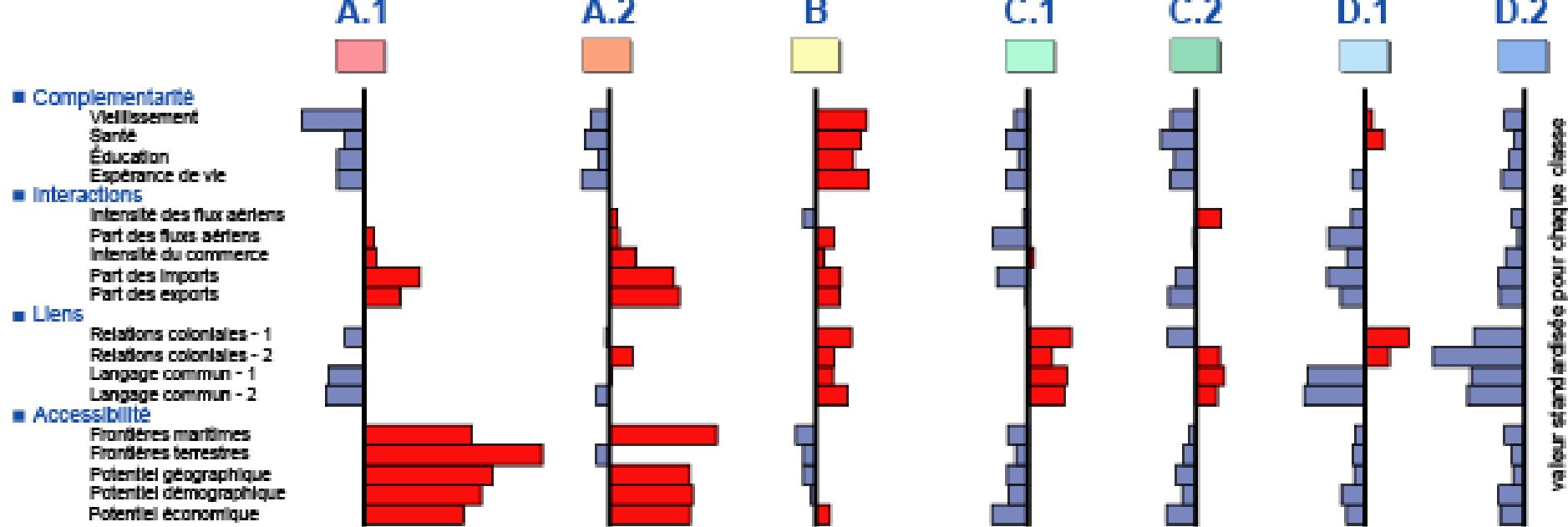
Synthesis of EU position in the World



Quantitative influence area of UE

Maximum Influence of UE27+2			Minimum Influence of UE27+2		
Rank	Score	Country	Rank	Score	Country
1	9.4	Croatie	125	-1.44	Indonésie
2	9.1	Islande	126	-1.46	Philippines
3	8.9	Tunisie	127	-1.46	Australie
4	7.9	Serbie/Monténégro	128	-1.51	Mexique
5	7.9	Albanie	129	-1.51	Uruguay
6	7.5	Macédoine (FYROM)	130	-1.56	El Salvador
7	7.2	Maroc	131	-1.59	Myanmar (Birm.)
8	7.2	Turquie	132	-2.02	Mongolie
9	7.1	Algérie	133	-2.08	Bhoutan
10	7.1	Groenland	134	-2.31	Thaïlande
11	7.1	Libye	135	-2.46	Chine
12	6.4	Liberia	136	-2.85	Corée du Sud
13	6.0	Bosnie-Herzégovine	137	-3.01	Corée du Nord
14	5.6	Sierra Leone	138	-3.14	Taiwan
15	5.1	Russie	139	-3.19	Japon

Qualitative typology of potential relations

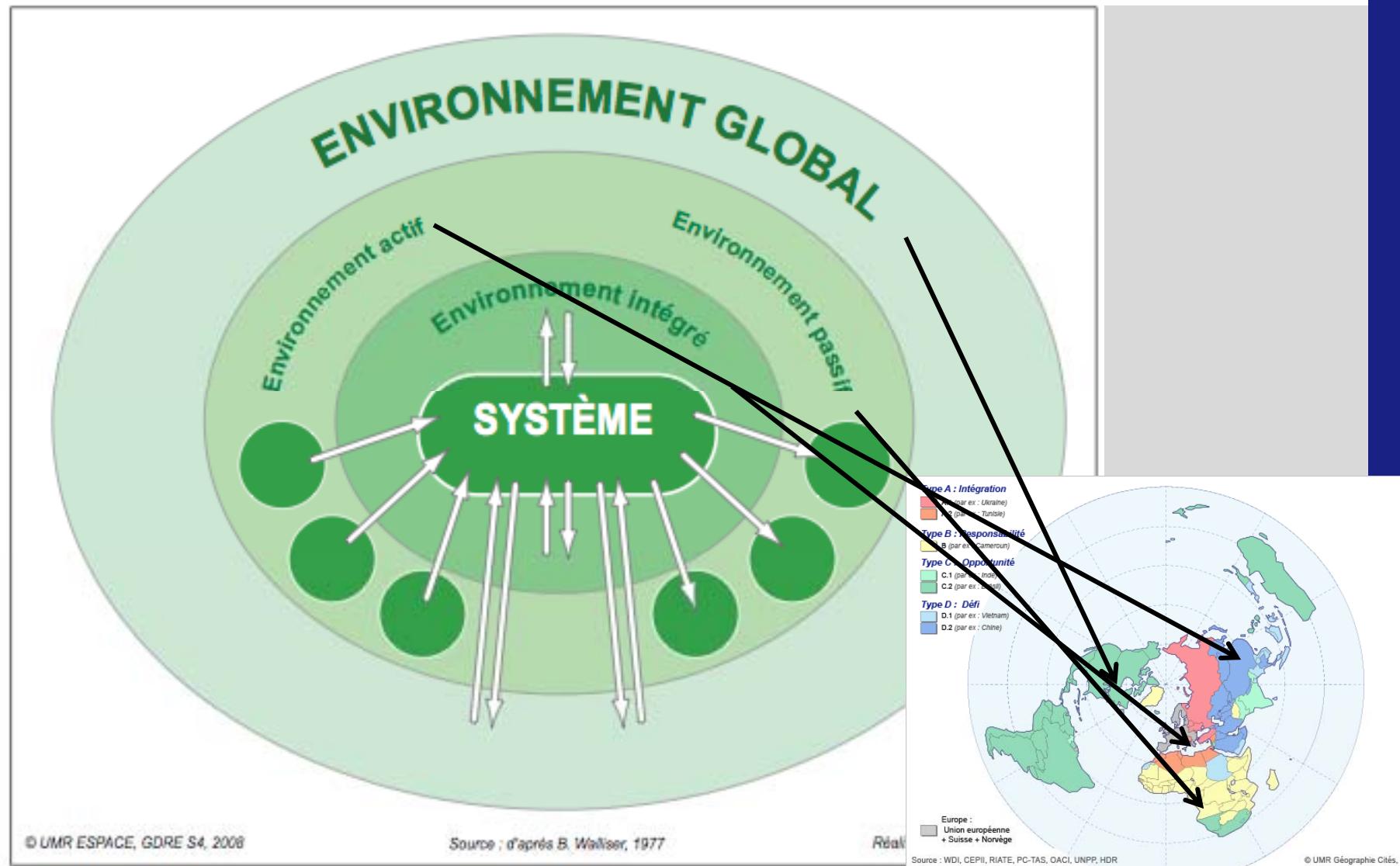


Europe :
Union européenne
+ Suisse + Norvège

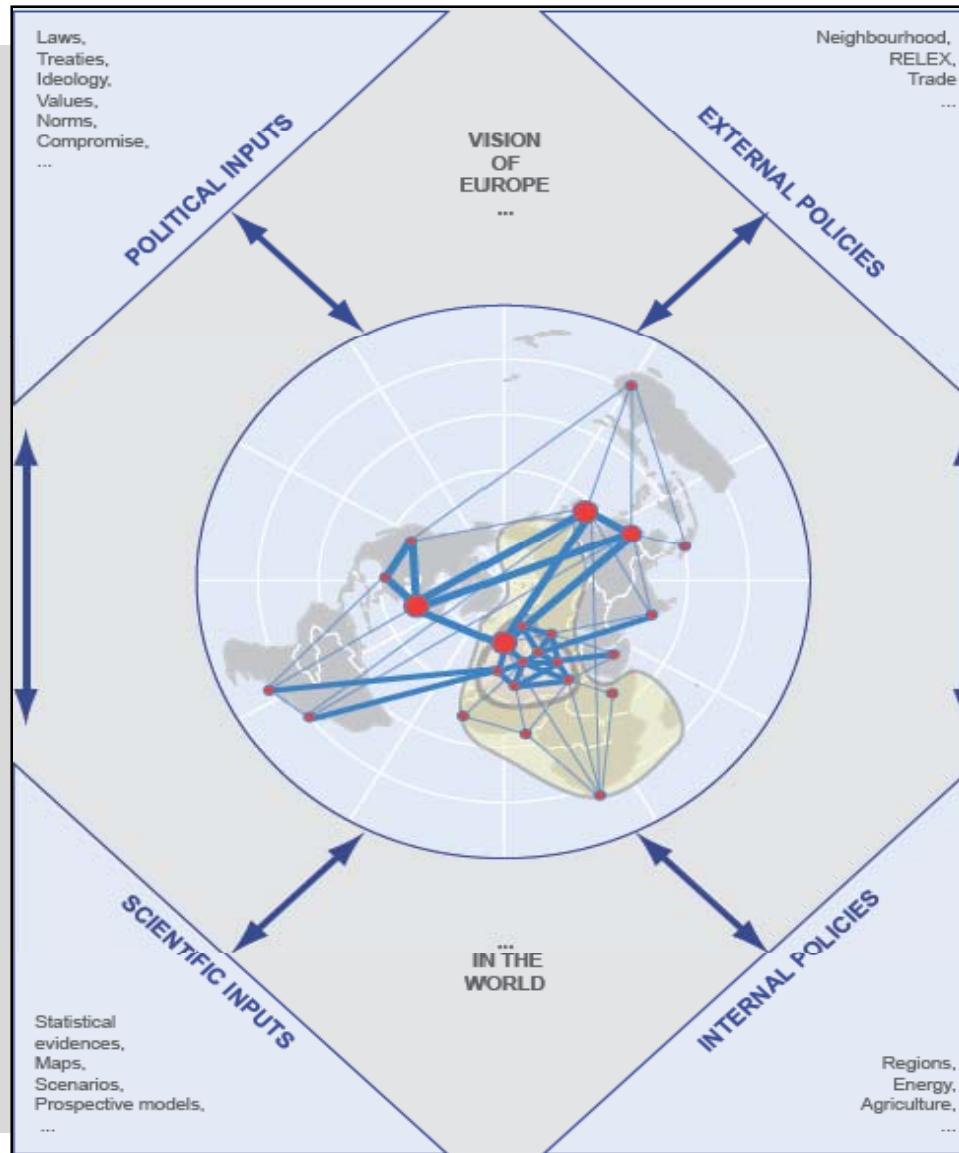
Source : WDI, CEPII, RIATE, PC-TAS, OACI, UNPP, HDR

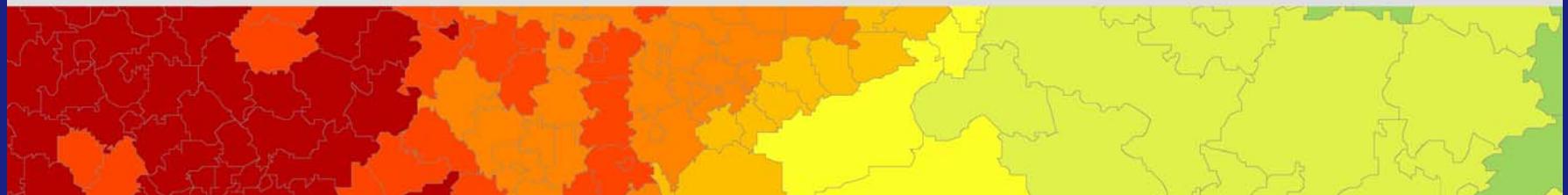
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A strategic vision of EU in the world ...



... linking internal and external policies





THANK YOU FOR YOUR ATTENTION



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