



EFP Final event

Wien, 27-28 September 2012

Perspectives on EU forward-looking activities

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* Personnaly speaking



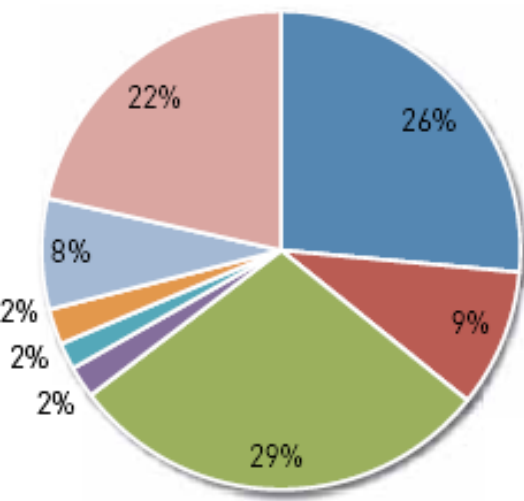
Grand challenges

A changing world

Population (million)

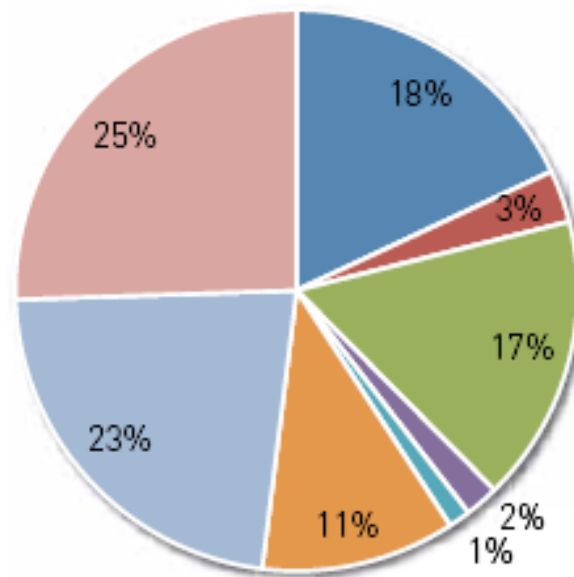
	1950	2011	2050	Factor
India	372	1 241	1 692	~X 4.5
Brazil	54	197	223	~X 4.1
USA	158	313	403	~X 2.5
China	551	1 347	1 296	~X 2.3
EU 27	377	506	516	~X 1.3

Share of GDP



2010

- United States of America
- Japan
- European Union
- Brazil
- Russian Federation
- India
- China
- Other



2050

- United States of America
- Japan
- European Union
- Brazil
- Russian Federation
- India
- China
- Other



CO2 emissions

	2000	2050
USA & Canada	23%	12%
Enlarged EU	14%	8%
Russia & CIS	8%	5%
Japan	4%	2%
S-E Asia - China	20%	27%
South Asia - India	7%	13%
Africa	7%	15%
Latin America	7%	9%
Others	10%	9%

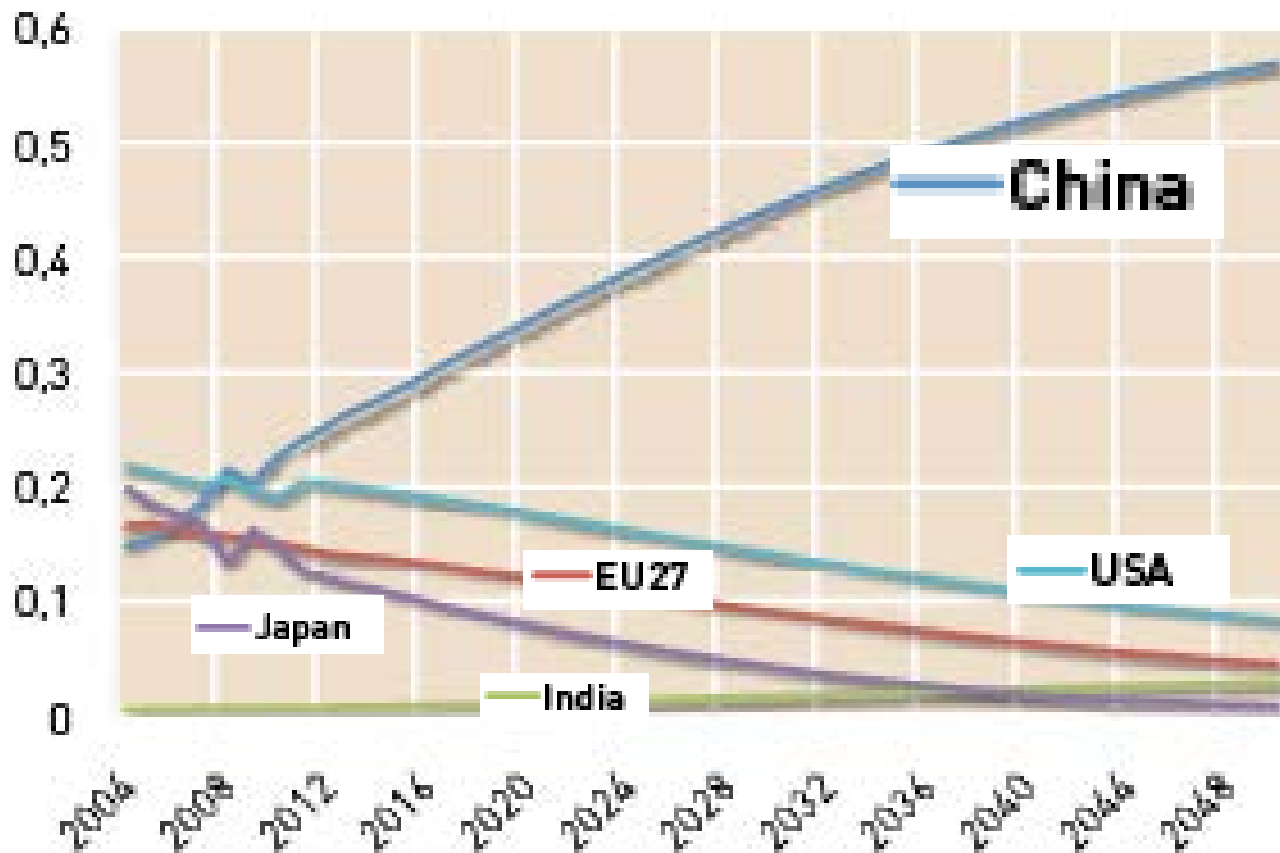
49%

27%

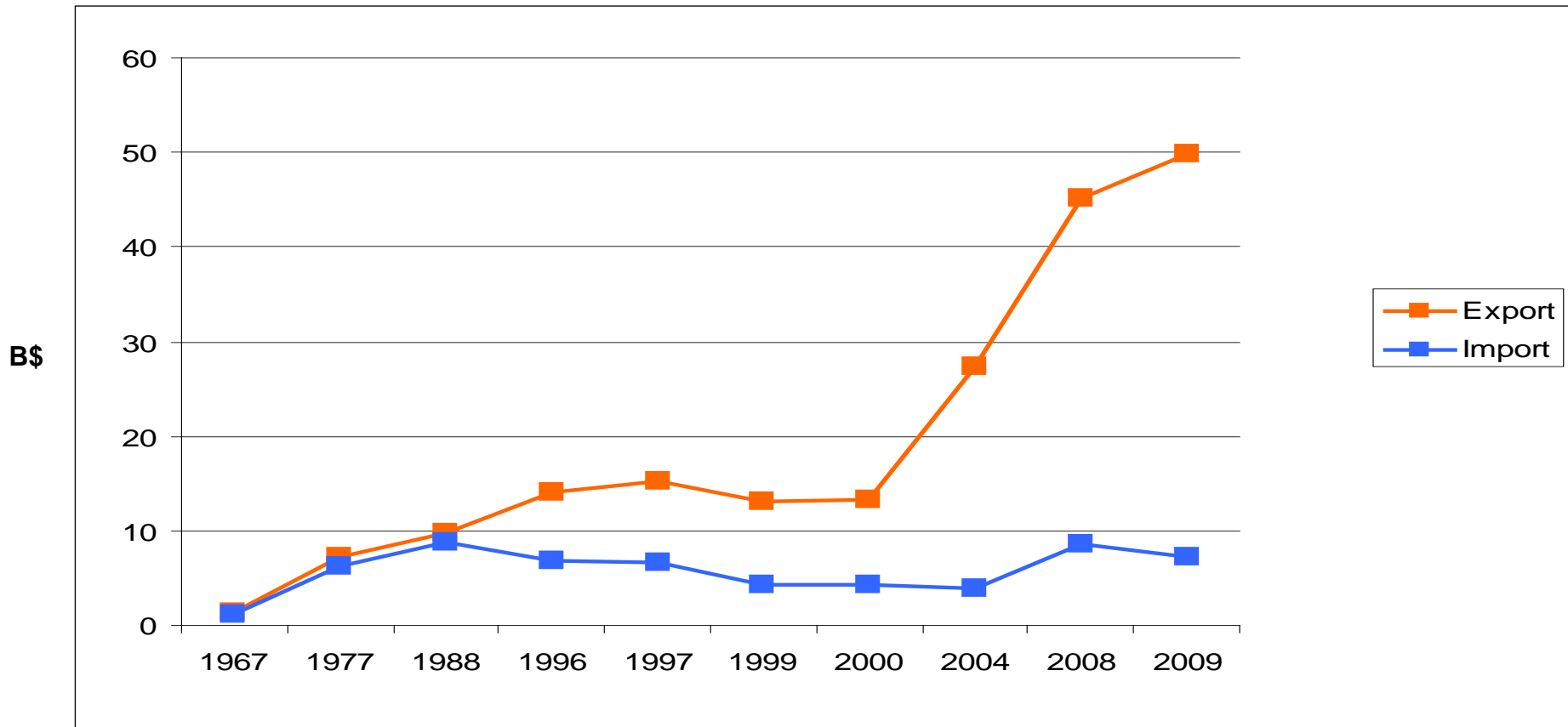
51%

73%

Share of the world production of electronic products



Brazil's foreign trade in agro-food





*Il n'y a plus que des petits pays en Europe,
mais certains ne le savent pas*

Paul-Henri Spaak



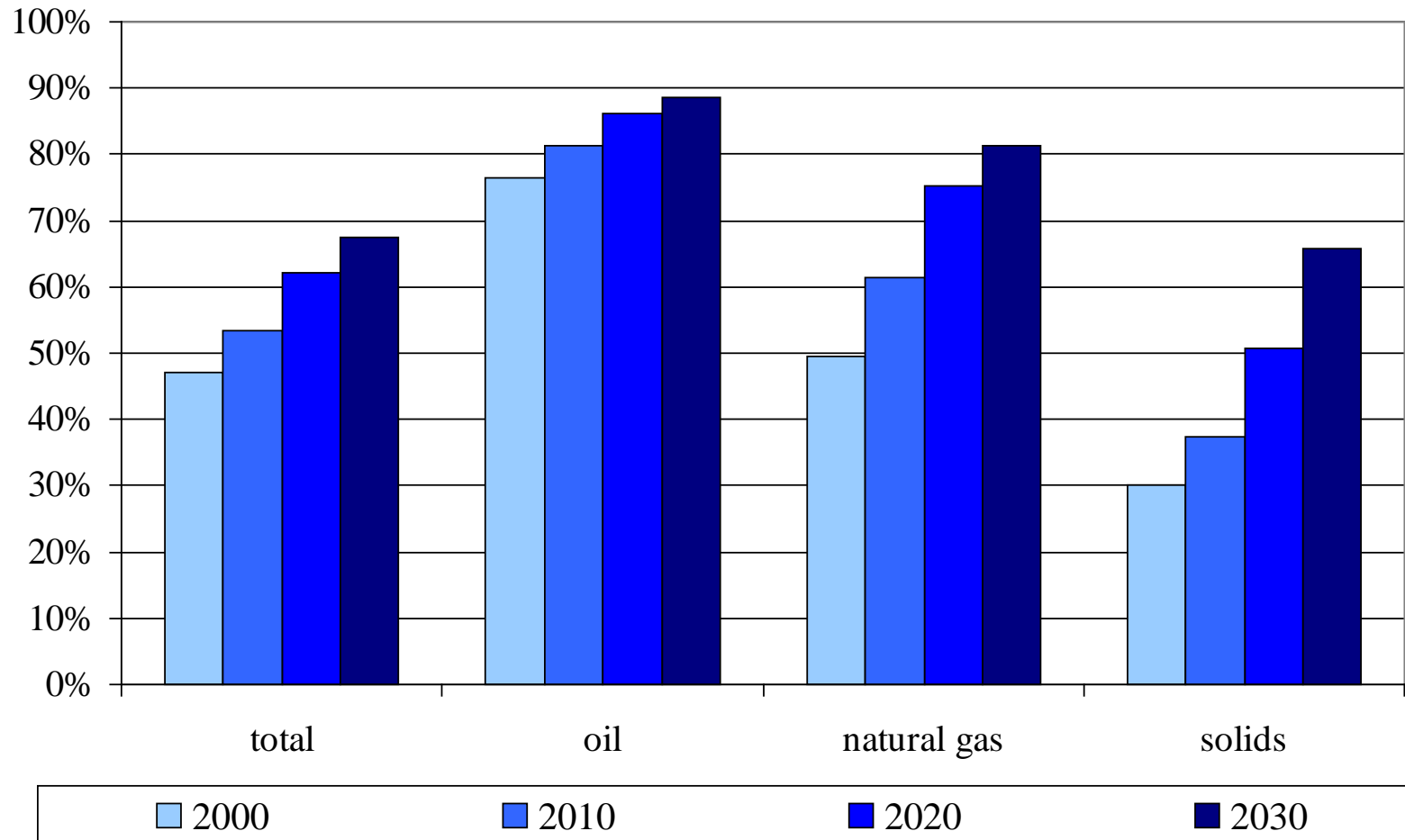
Grand challenges

World and EU tensions

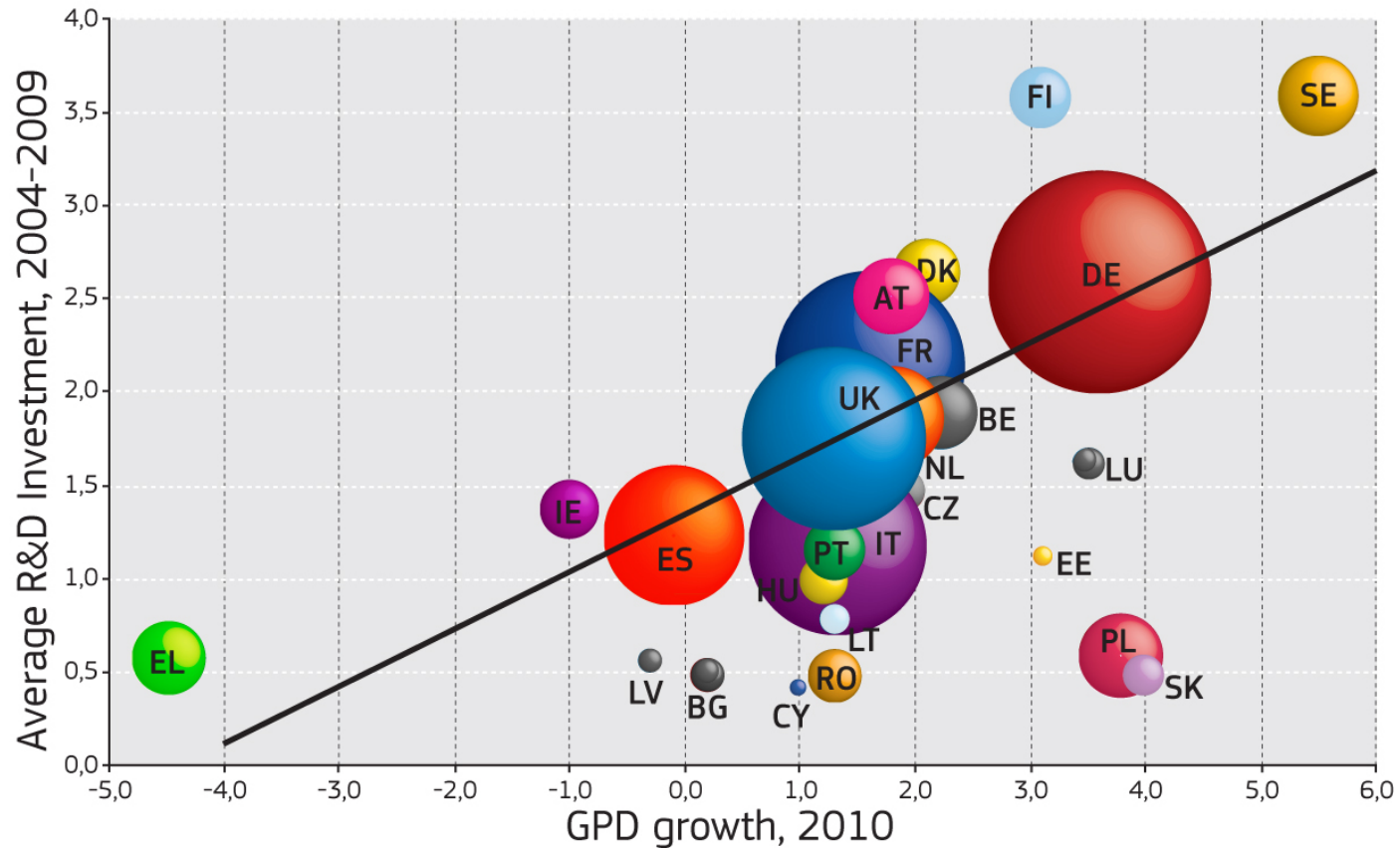
Natural resources

- **Water (4 billion people missing water by 2050)**
- **Food (food needs increase by 70% by 2050)**
- **Land (war on lands)**
- **Materials (lithium, gallium, scandium,...)**
- **Energy (availability, prices, conflicts,...)**

EU energy imports



Innovation and (exit of) the EU crisis



(Unsustainable) Lifestyle trends

- **Private transportation and housing, final consumption of food and drink lead to almost 80% of Europe's environmental impacts**
- **Car ownership in the EU increased by ~40% between 1990 and 2010.**
- **The average speed of an international freight train in the EU is 18km/h**
- **In its life cycle, a car is parked 92% of the time; 40,000 people die each year in road traffic in the EU**



FP7

Projects and reports (SSH)



EU Forward Looking Activities

A long tradition in the European Commission:

- FAST and *Cellule de Prospective*
- Multiannual Financial Perspectives
- Long-term planning (SF, FP,...)
- Europe 2020
- Roadmap to a low carbon economy in 2050
- Transports 2050
- Energy Roadmap 2050
- FP7-SSH activities



FP7 – SSH: EU foresight initiatives

- **European Foresight Platform (EFP), Global Europe 2050 and EU in the world of 2030 (AUGUR)**
- **The evaluation of EU policies (DEMETER) and global changes impact (GLOBAL-IQ)**
- **The future of the Mediterranean area (MEDPRO)**
- **STI (FARHORIZON, INFU, SESTI, CIVISTI)**
- **Visions on the European Research Area (VERA)**



EU foresight initiatives

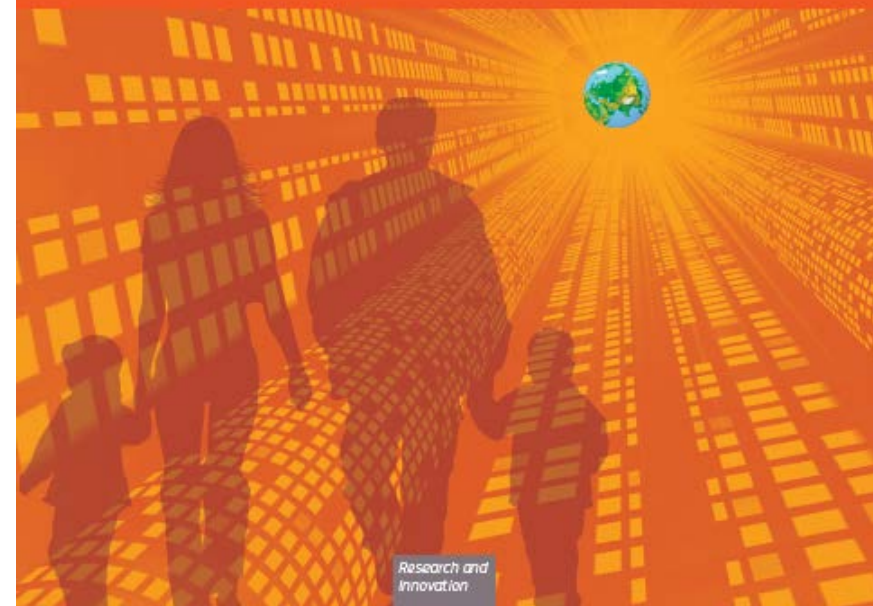
- **Wild cards and weak signals (IKNOW)**
- **Post carbon society (PACT, GILDED, PASHMINA)**
- **Security and defence (SANDERA)**
- **Large-scale EU SSH projects include foresight**
- **TP and Social Platforms (SPREAD)**

World and European Energy and Environment Transition Outlook

WETO-T



Global Europe 2050

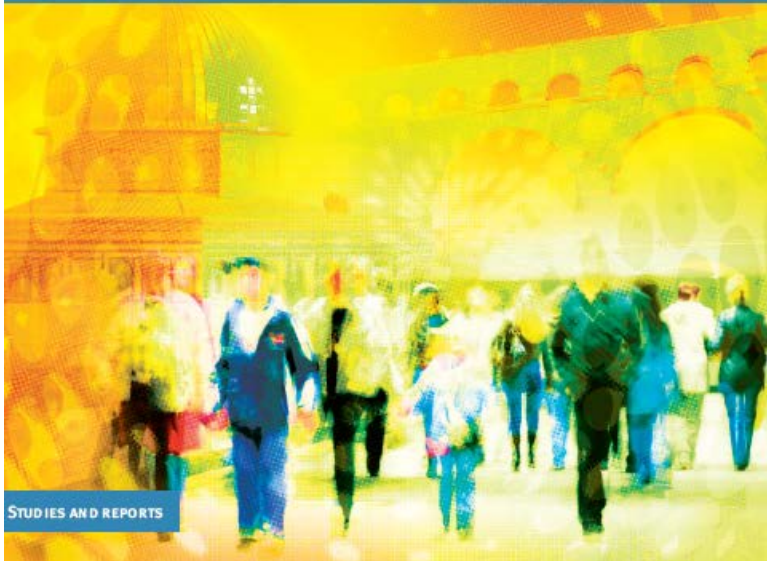


http://ec.europa.eu/research/social-sciences/forward-looking_en.html

EuroMed-2030

Long term challenges
for the Mediterranean area

Report of an Expert Group



European forward-looking activities:

Building the future of 'Innovation Union' and ERA



http://ec.europa.eu/research/social-sciences/forward-looking_en.html



EU foresight activities – SSH-2013

➤ **FP7-SSH-2013**

Post carbon cities in Europe: A long term outlook (CP-SM)

➤ **FP7-ENV-2013**

Network for forward looking activities and assessment of research and innovation prospects

<https://ec.europa.eu/research/participants/portal/page/cooperation>

See Call text



EU foresight activities – Horizon 2020

- **Cross-cutting / horizontal issues?**
- **Specific aspects of "Societal challenges" (Energy, transport, inclusive, etc)?**
- **JRC – Joint Research Centre**



Other EU foresight activities

- **BEPA: ESPAS – European Strategy and Policy Analysis System (call for tender)**
- **EFFLA – European Forum on Forward Looking Activities**



Thank you!

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