



European Forum for Science and Industry

*Scientific Support to EU Growth and Jobs:
Efficient buildings, vehicles and equipment*

Context

□ Roundtable on "**Scientific Support to European Industrial Competitiveness**", 15 February 2012



need to establish a permanent exchange between science and industry



better addressing the scientific needs of European industry



□ **European Forum for Science and Industry (EFSI)** was put in place to continue the dialogue and cooperation on the scientific needs of industry in a regular and structured way

Structure

550 members from public institutions, private companies, the scientific community, European associations, industrial organisations and related networks



- 145 industries
- 78 Associations (including 15 Industry Associations and 16 Confederations of Industry)
- over 50 science organisations
- policy makers (European Institutions, National authorities)
- Others (consulting companies, NGOs, etc.)

Tools

- Initiatives
- Roundtables
- Newsletter
- Bilateral meetings with high-level stakeholders/technical meetings
- Cooperation on specific projects

Tools: **Initiatives in 2012**

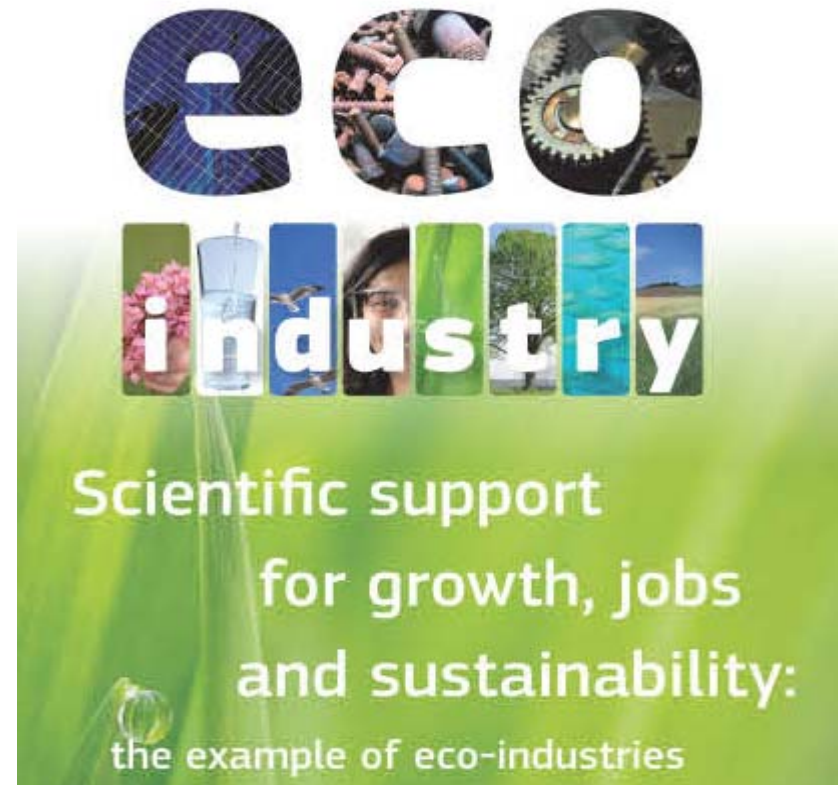
□ **Eco-Industries**, 15 May 2012
(500 participants)

Eco-industries in the EU represent an annual turnover of more than €300 billion with an average growth rate of more than 6% in real terms and provide nearly 3.5 million jobs.

Outcomes:

better defined scientific support and research needs in order to strengthen Europe's Eco-Industries as a source of growth and jobs

cross-cutting foresight study taking a holistic view, seeking to identify opportunities for new research to boost innovation, growth and jobs



Tools: **Roundtables in 2012**

□ **Scientific support for nuclear decommissioning**, 11 September 2012

Nuclear decommissioning is an industrial activity and future market that is growing strongly worldwide, creating many job opportunities for highly-skilled workers. The European Union has acquired a large know-how in the decommissioning field and today it can position itself strongly at the top level in the world market.



Outcome: bringing together nearly 100 high-level representatives from industry and science together to share best practices, identify bottle necks and consider future prospects and priorities for European nuclear decommissioning

Tools: **Roundtables in 2012 (contd.)**

□ **Scientific Support to the EU Refining Capacity**, 1 October 2012

Overall, the refining sector is well established in Europe and plays a key role for the whole economy and security of energy supply. However, it is in need of investment in a context of declining competitiveness and declining profit margins. With energy representing 50% of the costs of refining, the sector is constantly striving for energy efficiency to remain competitive.

Outcome: 80 high-level representatives of oil and gas companies, heads of industry associations as well as representatives from the science community, Member States and the European Commission considered the key challenges to identify where scientific expertise and research should be targeted for the benefit of the EU refining industry. A follow-up event is planned for the end of 2013.





Tools: **Roundtables in 2012 (contd.)**

□ **Scientific Support to Financial Analysis:**

how can science contribute to financial stability?, 8 November 2012

In the context of the current economic and financial crisis, the JRC, with the support of the College of Europe, gathered about 70 high-ranking financial experts, representatives of the scientific community, heads of industry associations, policy makers and the European Institutions, to discuss the potential risks to financial stability, as well as to identify where scientific expertise and research should be targeted to help regulators prevent, mitigate and manage these risks.

Outcome: Participants called for more science to calibrate the technical rules for the Banking Union, to conduct evaluation and ex-ante assessment of all options to restructure the banking sector and to promote behavioural sciences in finance at micro- and macro-economic levels. A follow up event will be held on 18 April 2013 at the College of Europe in Bruges.

Tools: **JRC-Industry cooperation**



JRC in close cooperation with BDI
(the Federation of German Industries)

follow-up of BDI foresight study "Germany
2030 – Future perspectives for value
creation"

Europeanisation in the areas of Energy and
Transport

JRC Science in support to industry

Examples of JRC laboratories and activities

- ❑ Vehicle Emissions Laboratory (VELA)
- ❑ European Laboratory for Structural Assessment (ELSA)
- ❑ European IPPC (Integrated Pollution Prevention and Control) Bureau produces reference documents on Best Available Techniques, the so called BREFs
- ❑ Standardisation



Next steps and way forward

- **widen participation** by raising awareness about the Forum and proactively identifying gaps
- **broaden the scope** by adding a new dimension aiming at participating in leading industry relevant events on national level that bring together policy makers and decision makers from all sections of industry



Initiatives in 2013

□ **Scientific support to EU growth and jobs: Efficient buildings, vehicles and equipment**, 26 March 2013

Efficiency, particularly energy efficiency of buildings, vehicles and equipment are three sectors that are key to boosting Europe's competitiveness and contribute to economic development while promoting long-term sustainability.

- about 500 expected participants
- High level speakers from science and industry will discuss the main sectors concerned.



Roundtables in 2013 In Brussels

- JRC-Universities: How to increase the contribution of Universities to Science and Innovation, 11 April
- Scientific support to KETs and Innovative SMEs, 25 April
- Putting Science into Standards, Co-organised with CEN/CENELEC and EARTO and DG ENTR, 24-25 April



Joint Research Centre



**Thank you
for your
attention!**