

Visions of Technology Assessment Approaches used by DG JRC



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2nd Technology Assessment Conference
Berlin, February 27, 2015

Serving society
Stimulating innovation
Supporting legislation

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Current Policy Context

- Decline of European manufacturing industry
- Juncker priorities
 1. A new boost for jobs, growth and investment
 4. A deeper and fairer internal marketwith **a strengthened industrial base**
- More ambitious circular economy package

High interest for Advanced Manufacturing Technologies

Our work

- Problem solving on specific policy issues
- Process designer/operator
- Provider of forward looking perspectives
- Honest broker/cross-cutting approach
- On demand, co-design

Recent activities/demand

- Four foresight studies:
 - Food security – DG JRC/DEVCO
 - Diets and health – DG RTD
 - Eco-industries – DG JRC
 - Industrial standards - DG GROW
- Creation of FBI unit (06/2014)
- Development of a policy lab
- Building up behavioural insights expertise
- Intense use of external experts
- Systemic perspectives

Current challenges...

- Fast pace of change(s)
- New Commission/New agenda
- How to connect to a complex reality and make sense of it

...and responses

- Establish a dynamic link into advice
- Link forward looking approaches and current demand
- Fight rapid obsolescence of advice
- Test!!!

New project on advanced manufacturing

AIMS:

- Develop a reusable process
- Help industry identify the main systemic technological challenges lying ahead on the way to achieving their long-term vision/objectives
- Help policy-makers create the right policies to address them with a view to increase EU manufacturing

SCOPE:

- Apply the ILV₂₀₂₅ to selected industry sectors; define long-term visions
- Identify the most likely technology challenges created by these visions
- Define relevant technology roadmaps
- Derive specific policy challenges

The ILV₂₀₂₅ as a Lens

- Industrial vision developed by the JRC
- Adopted by DG GROW
- Systemic perspective
- Dynamic framework
- Vision of the future of EU industry
 - Individualisation & personalisation
 - Regional customisation
 - Use of ICT, big data
 - More agile system



Key characteristics of study process

1. Transparent
2. Inclusive and participative
3. Technology focussed
4. Adaptable to diverse industry sectors
5. Relevant for industry and policy making
6. Repeatable

THANK YOU!

Want to know more?

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