

The European Commission's science and knowledge service

Joint Research Centre



Scenario planning and foresight in the European Commission

Eckehard Rosenbaum PhD

How much scenario planning capacity needs to reside within governments?

- Current situation in EC
- Two observations:
 - The number and complexity of policy issues is increasing
 - Resources available to governments have not kept pace
- Two consequences:
 - Knowledge and expertise is increasingly bought on the “market”
 - Governments – including the EC’s JRC – are changing from being knowledge providers to knowledge managers

From knowledge production ...



Term "Impact Assessment"
1990 – 1995, frequency 206

Risks and challenges

- Policy making increasingly depends on *external* expertise
- Knowledge managers need appropriate tools to ensure quality and independence
 - ➔ Two specific competence centers have been set up in JRC
 - Modelling
 - Foresight

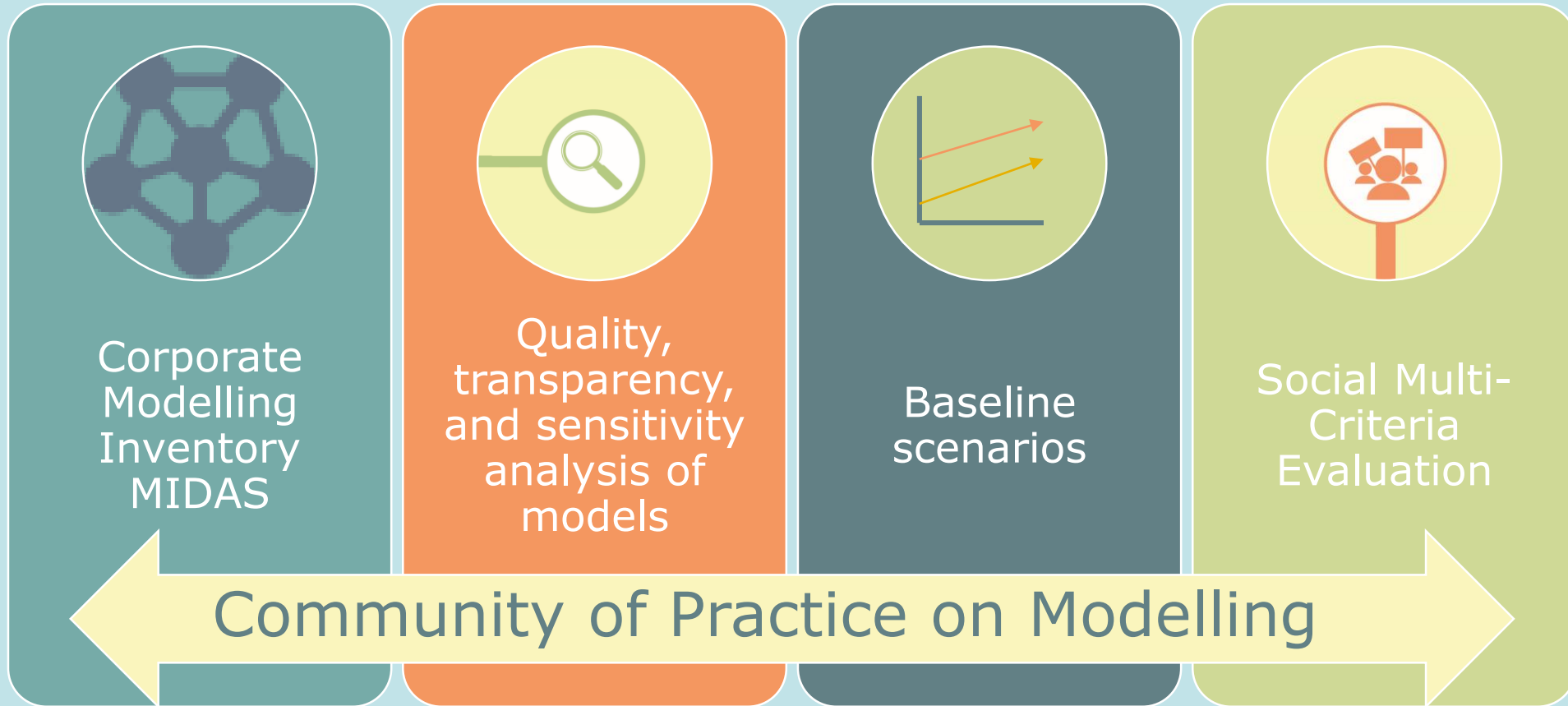


Competence Centre on *Modelling*

- Increase the *transparency*, *consistency* and *quality* of model use
- Promote a *responsible* use of models in EU policy making
- Improve the efficiency and effectiveness of modelling resources



Components of the Competence Centre on Modelling

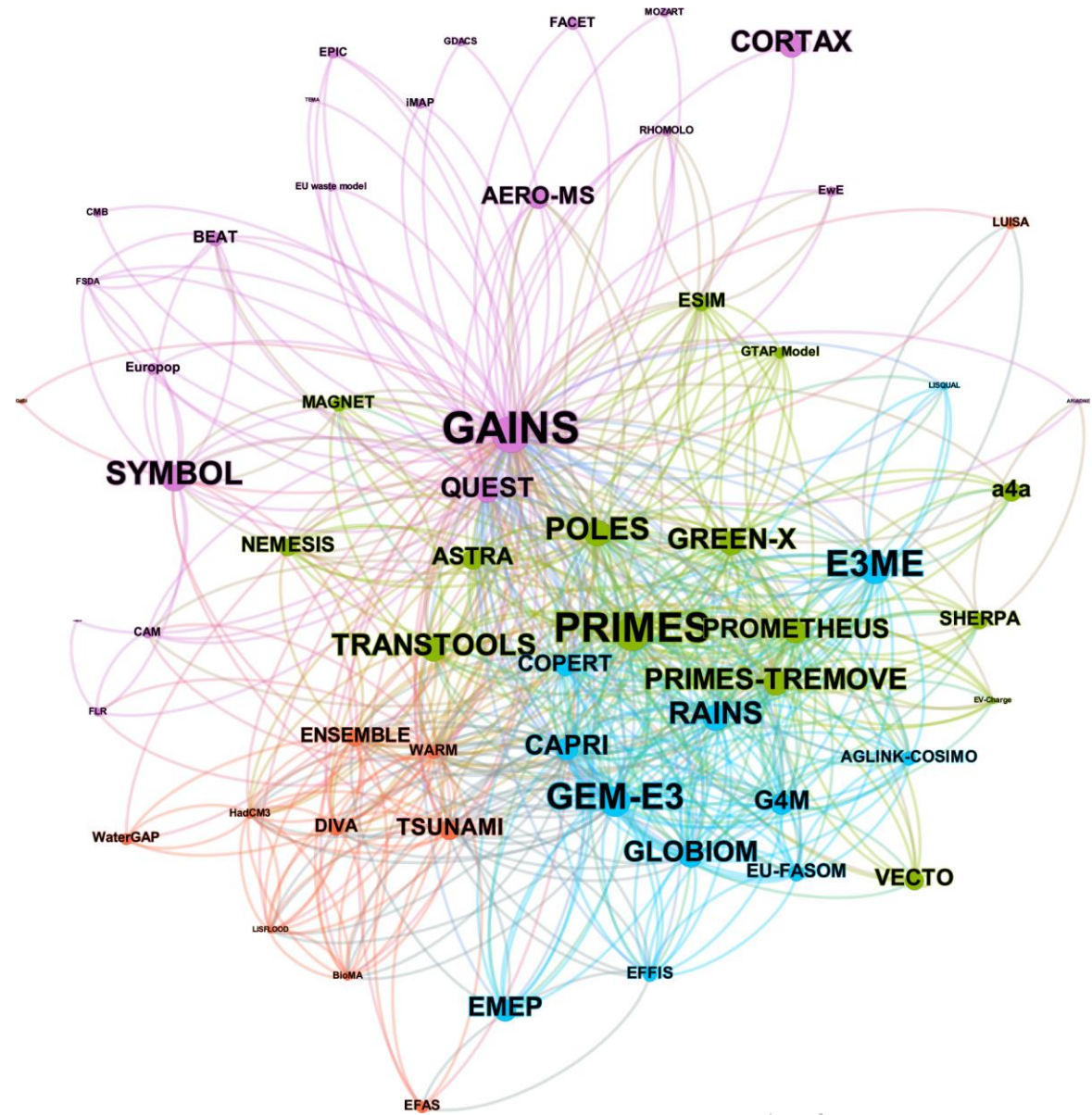


MIDAS



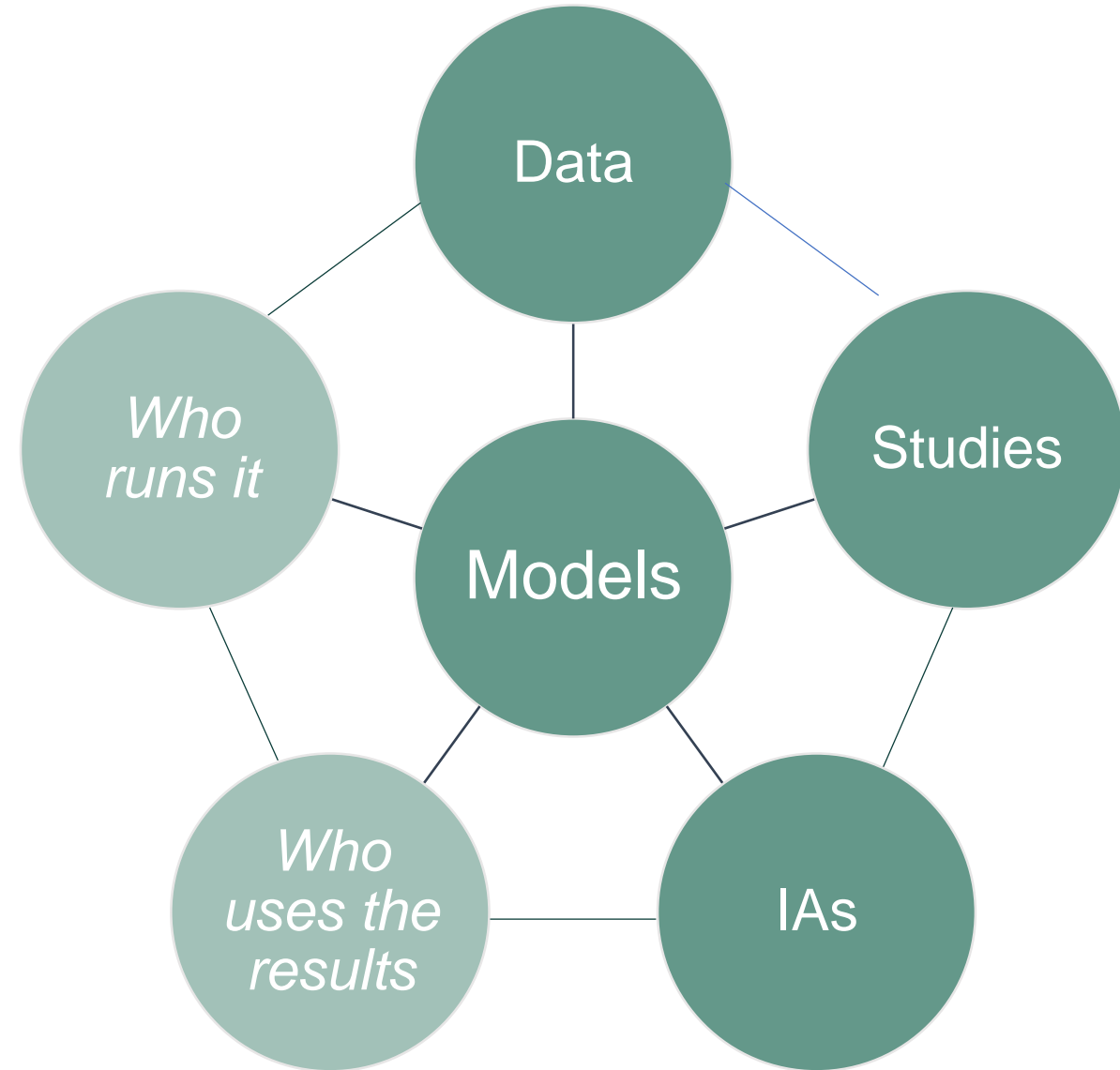
Corporate
Modelling
Inventory
MIDAS

- Modelling Inventory and Knowledge Management System – MIDAS
- Make model use more transparent
- Enhance traceability of model results
- Manage the knowledge related to modelling
- Support dialogue between policy makers and modellers



MIDAS Content

- All models in use in support of policy making in the Commission
- MIDAS describes
 - the models themselves
 - who runs them
 - and the context of use

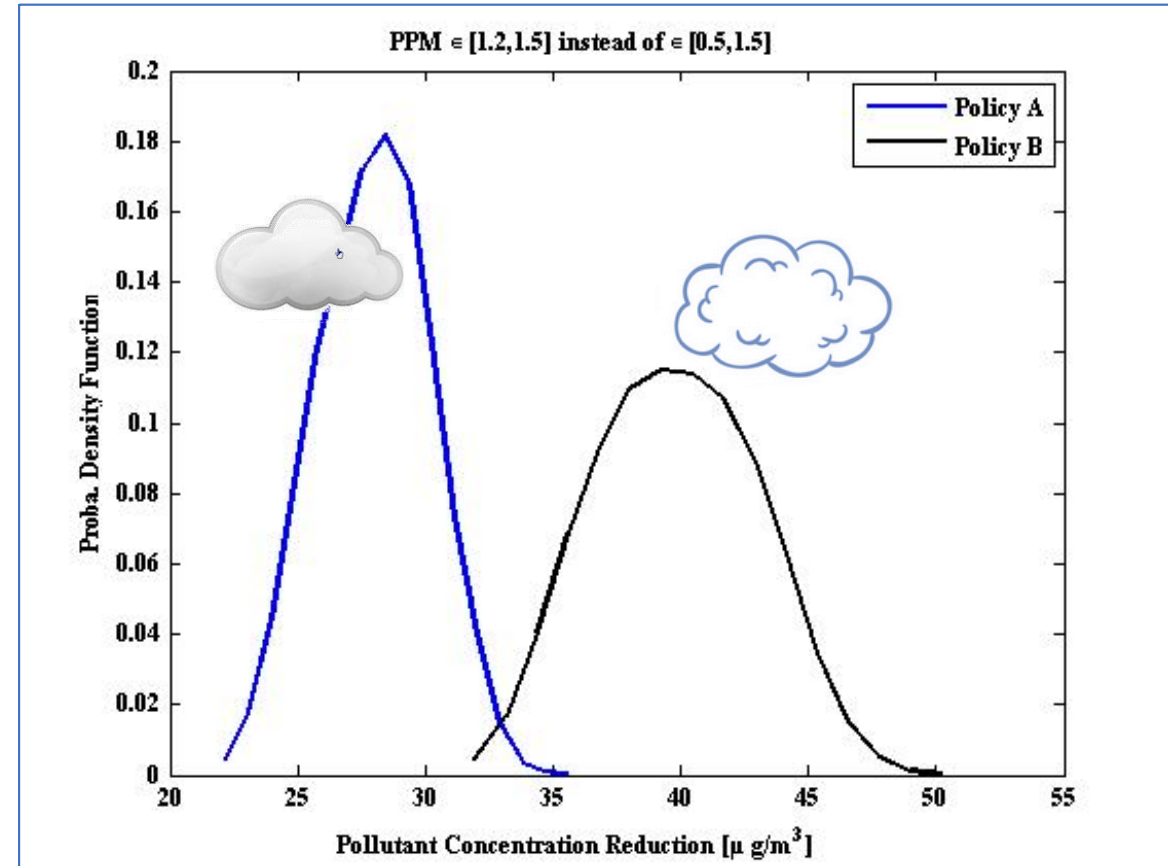


Example: Reducing uncertainty in data improves decisions on policy options to improve air quality

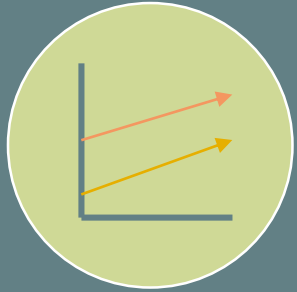


Quality,
transparency,
and sensitivity
analysis of
models

- Policy A and Policy B differ
- Given the high Uncertainty
→ decision is difficult
- After uncertainty is reduced
→ decision is easier

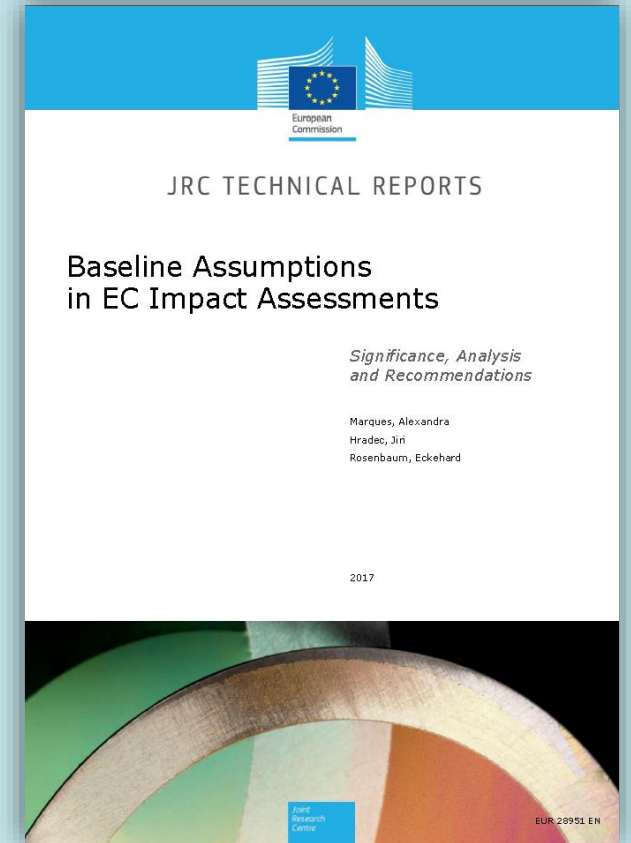
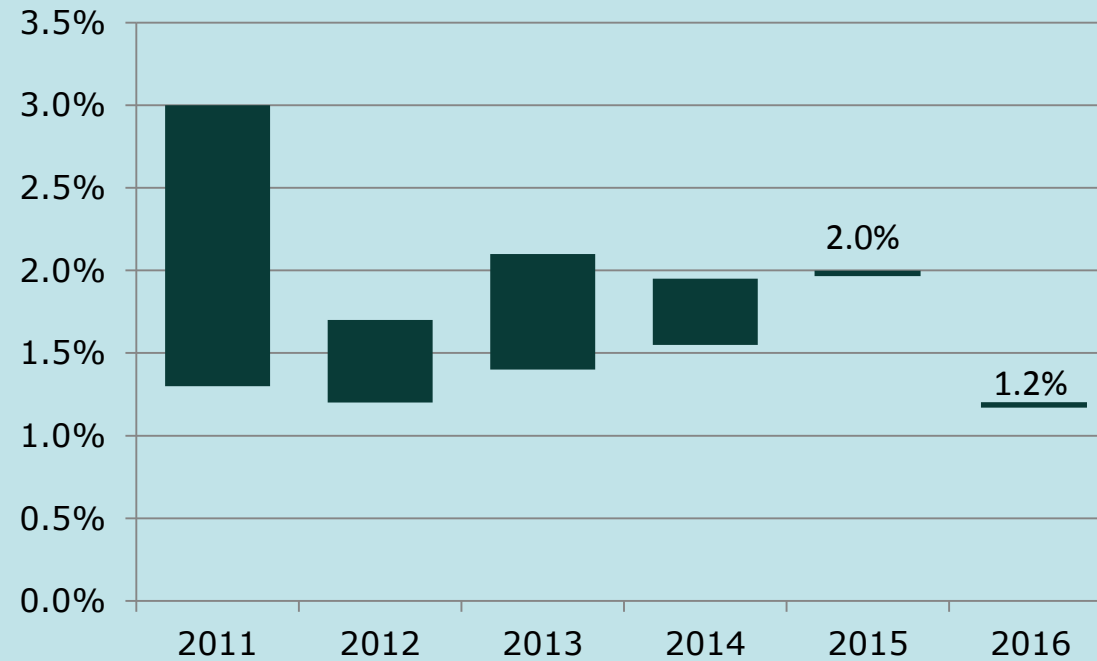


Baselines



Baseline scenarios

Range of Long-run GDP Growth Rates in Various Years

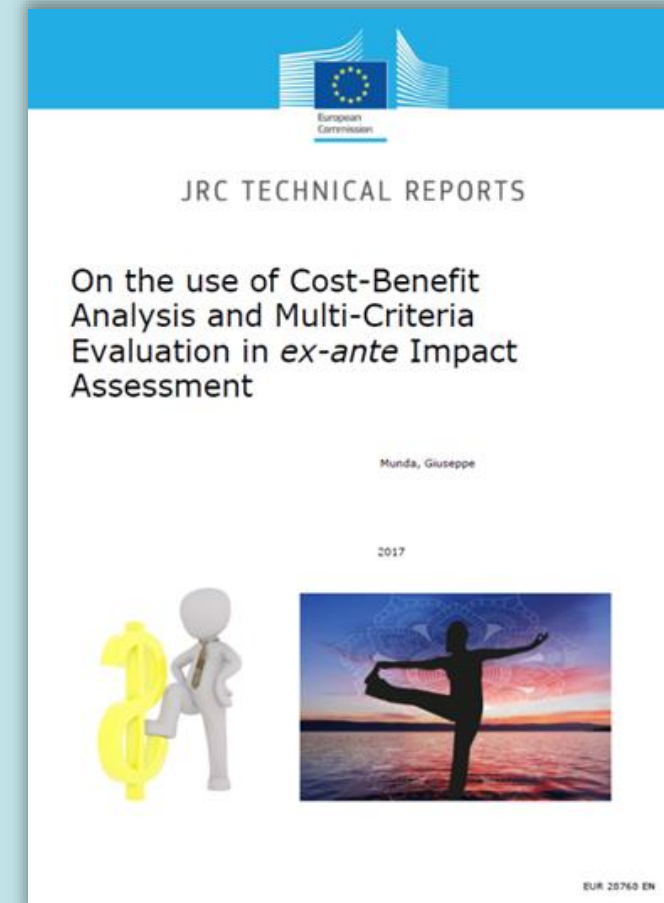
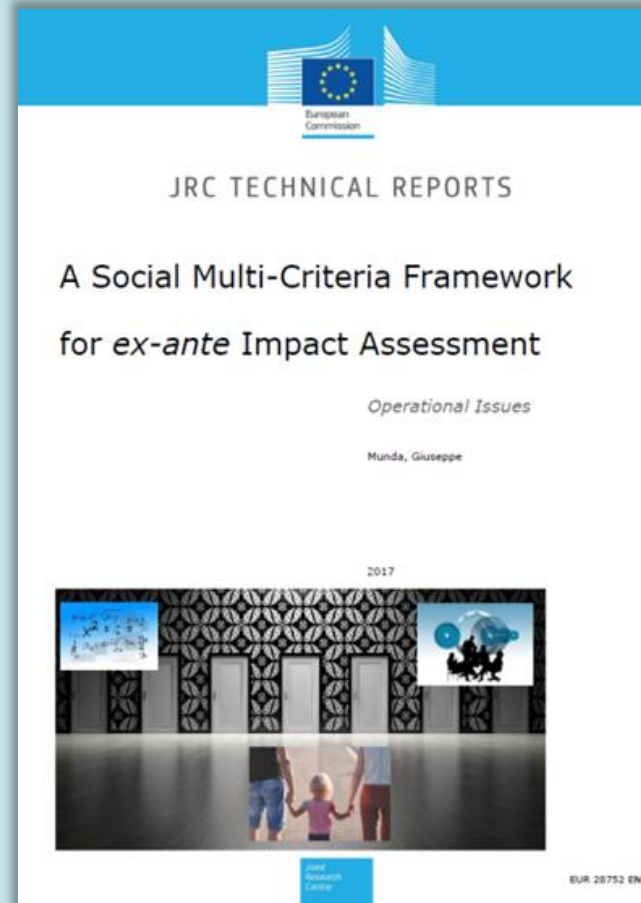


Social Multi-Criteria Evaluation



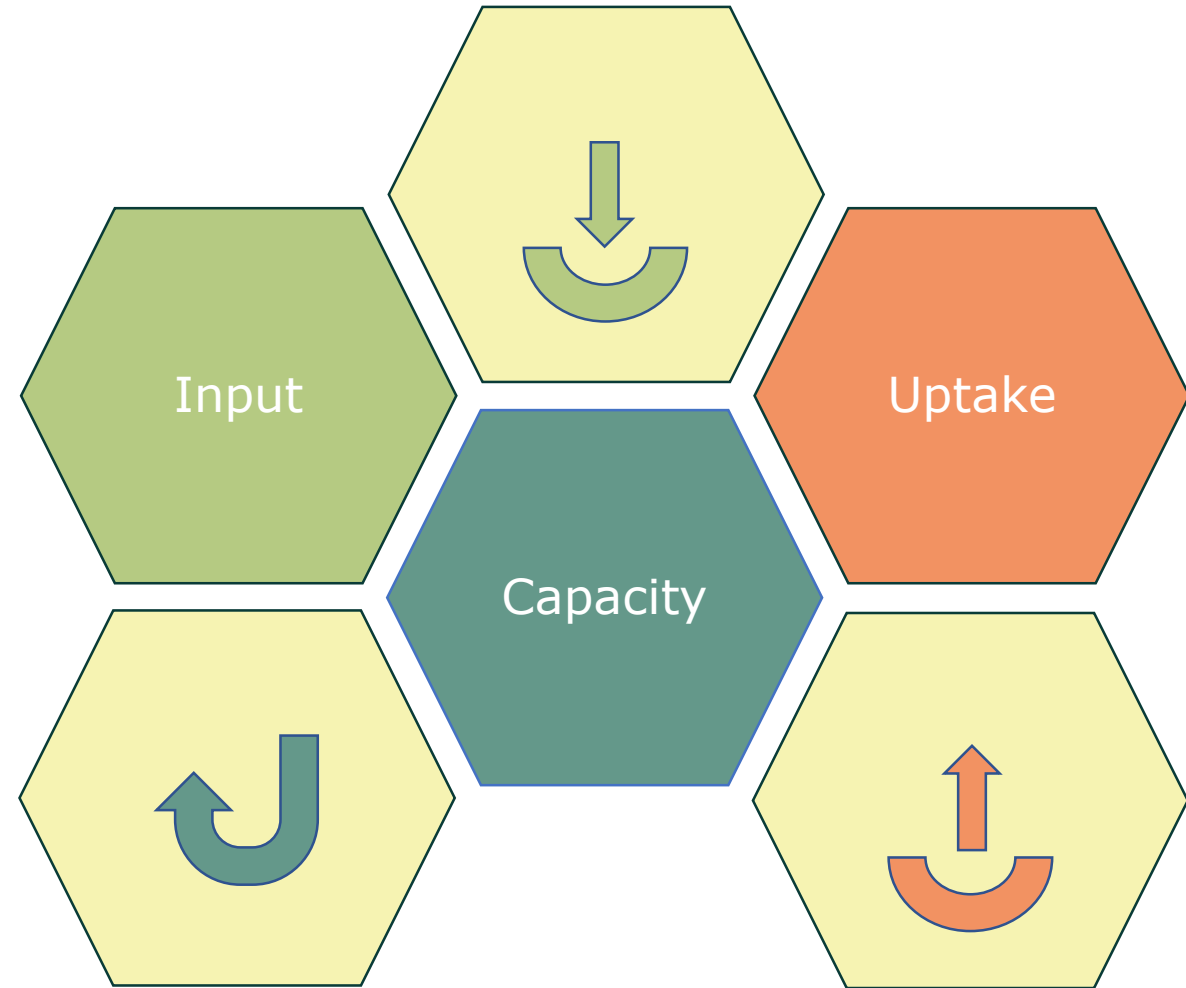
Social Multi-Criteria Evaluation

- Framework for integration of a **plurality of technical aspects** and **social views**
- Suitable for quantitative and qualitative criteria
- Coherent and transparent methodology important

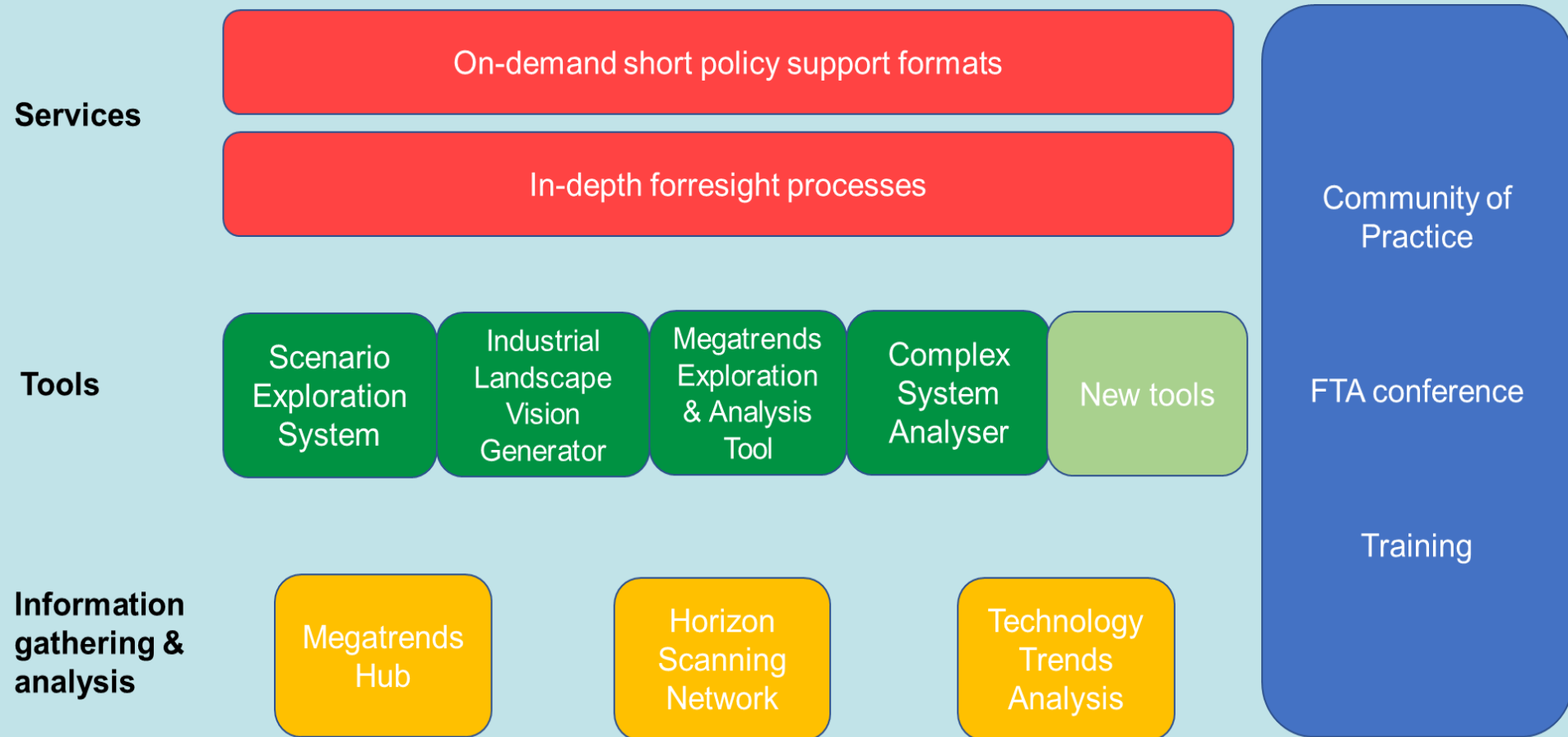


Competence Centre on *Foresight*

- Identifying and understanding the dynamics (un)known (un)knowns
- Provide *strategic and future-oriented input* into EU policy making
- Increase the *uptake* of foresight and forward looking approaches
- Advance *foresight capacity* and develop methods and tools



CC-Foresight – Main tools and services



Conference announcement



The European Commission's
Competence Centre on Modelling

**The 1st EU Conference
on modelling for policy support**
26 - 27 November 2019 - Brussels

<https://ec.europa.eu/jrc/en/event/conference/eu-conference-modelling-policy-support>



Thanks/Danke

EC-CCMOD@ec.europa.eu