Policy modelling for key challenges of the 21° century

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Current challenges in policy making

- ❖ Reliance on formal models or theories that are not accurate guides to the impacts of any policy

- ❖ Lack/inability of managing complexity in strategic planning and policy making in complex socioeconomic environments

- ❖ Lack of open collaboration and lack of transparency

- ❖ Non mainstream use of e-participation and other forms of ICT-enabled efficient collaboration of communities of stakeholders relevant to the given policy area
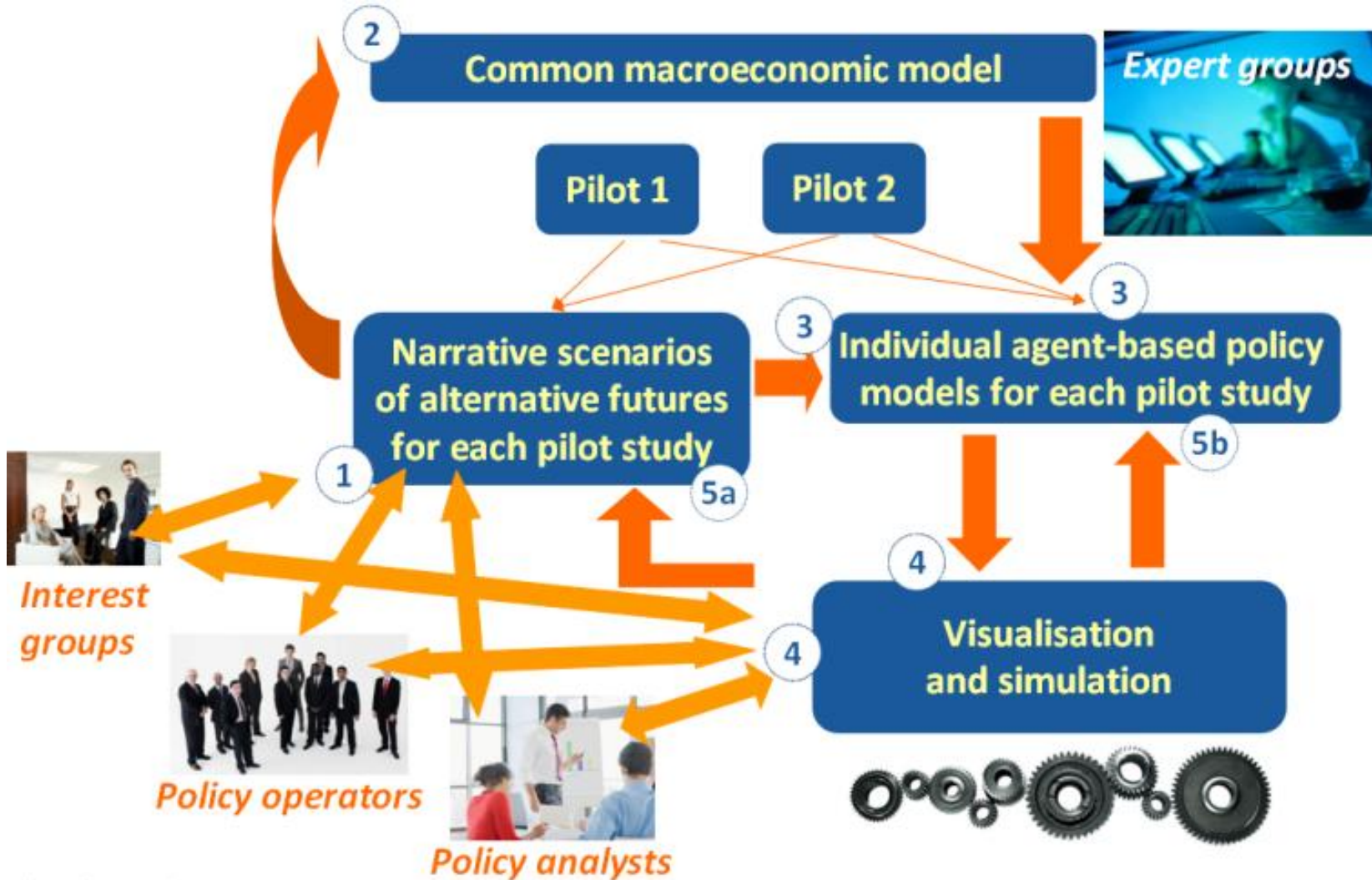
Current challenges in policy modelling

- ❖ Lack of focus on developing, visualizing and simulating appropriate policy models to enable
  - ➢ better management of socio-economic developments
  - ➢ identification of interdependencies that result in complex social and economic relations likely to affect future developments
- ❖ Lack of comprehensive IT solutions to support
  - ➢ policy modelling and simulation
  - ➢ collaboration among
    - ▪ policy analysts and policy operators
    - ▪ wider interest groups
    - ▪ general public

Open Collaboration for Policy modelling

- ❖ OCOPOMO - Open COllaboration for POlicy MOdelling aims at defining and demonstrating a new "off the mainstream" approach to policy modelling.

- ❖ The project will integrate lessons and techniques from complexity science, agent based social simulation, foresight scenario analysis and stakeholder participation

- ❖ It will use models for exploring the effects of policies, so that understanding of alternative points of view can be achieved by all parties.

- ❖ Policy operators and stakeholders collaborate in scenario development. Based on this, a macroeconomic agent-based simulation model will be developed, visualized and simulated through ICT and tested in pilot experiences.

Concept

OCOPOMO expected results

❖ Integrated IT platform for efficient policy development

  ➢ integrating formal policy modelling, scenario generation, and open collaboration

  ➢ supporting engagement of wide stakeholder groups in social and economic policy areas of two pilots

❖ Integrating the methods into a platform of open collaboration among key stakeholders

  ➢ policy analysts, policy operators, wider interest groups of specific policy domains, etc.

  ➢ using e-participation tools

OCOPOMO expected results

❖ Two policy analyses related to the strategic economic and social development policies in regions in Italy and Slovakia

➢ Based on both formal simulation models and narrative scenarios

➢ Generated with the precision and clarity of formal models and rich contextual narrative scenarios resulting from the combination of scenario-based foresight and formal policy modelling

➢ E-governance ICT toolbox facilitating policy creation, analysis, modelling and evaluation in a comprehensive and participative way

Benefit for target groups

TARGET GROUPS	BENEFITS
Policy operators and analysts	Encouragement to consider alternatives in policy making
Civic society, citizens and general public	Transparency, user-driven governance, participation
Policy stakeholders (government agencies and NGOs)	Relevance to stakeholders' needs
Scientific Community	Nurture further research, bring advancements in ICT, policy modelling, scenario generation

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Expected impact on governments

- ❖ OCOPOMO's vision is to transform the European Government landscape to enable open, well-informed, as well as efficient and effective public governance and policy-modelling based on an interactive platform that allows absorbing the cumulative knowledge existent in society in order to better ground and qualify public decisions

Expected impact on civic society and general public

- ❖ OCOPOMO is driven by emerging societal challenges. Hence it will
  - ➤ Create new opportunities for open discussions between the affected stakeholders and experts in related fields to be involved in the public governance and policy-modelling process
  - ➤ Contribute to policy development centred on end users
  - ➤ Improve transparency of decision-making through the involvement of different stakeholders in the participative process via the open collaboration platform
    - Quality and acceptance of final decisions within civic society and business will be enhanced
    - Participative approach towards policy-modelling allows also SME's to express their views more effectively

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