



Knowledge and innovation for societal challenges

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The Netherlands: land of entrepreneurship and innovation

Core

- Project of the Cabinet Balkenende IV (2007-2011)
- Cooperation of 10 ministries, Research and Enterprise leading
- Aim: combining economical and societal objectives

Work program

- Long-term strategy *Towards an agenda for sustainable growth in productivity (2030)*, Knowledge and Innovation Compass (2020)
- Societal Research and Innovation Agenda's (2012)
- Deploy policy instruments: launching customer, SBIR, knowledge transfer, ...



Societal innovation agenda's

Knowledge and innovation



Societal challenges



Economic goals



First four societal innovation agenda's:



Security:

Contribute to increase of security in NL trough technological innovation. Sensortechnology, serious gaming, high tech materials.



Health:

Sustainable health system in NL where supply and demand are in balance. ICT, care at distance, multidisciplinary approach.



Energy:

Towards a sustainable energy supply in NL, 30% less greenhouse gas emission, 20% share of renewable energy sources in 2020.



Water:

Connect the social and economic ambitions on water issues: dry feet and clean drinking water.



New innovation agenda's



Durable agricultural production:

Example:

- Replacement anti-biotic in cattle breeding,
- More efficient transport in Agricultural industry.



Education:

Example:

- fighting shortage of teaching staff,
- Strategic information policy for education.



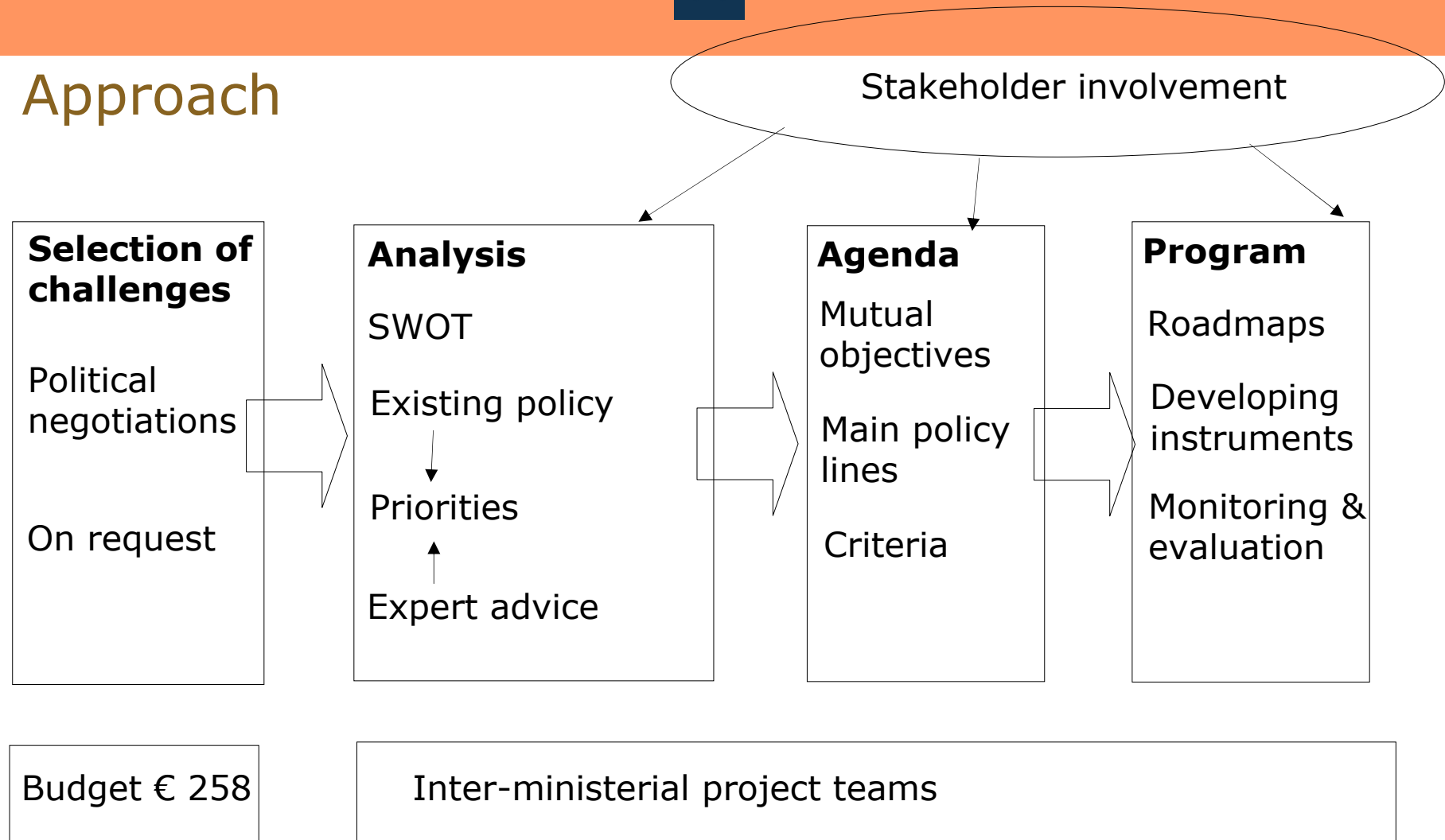
Durable mobility:

Example:

- Intelligent transport systems
- Multimodale knooppunten
- Climate, sustainability



Approach



What is new?



Societal research & innovation programmes (content)

How to introduce unorthodox solutions in an orthodox environment ?

- Governments should clearly articulate societal needs and priorities
- Solutions and implementation shift to the market or to ppp
- Importance of demand side measures
- Acceptance of risk! Give innovative ideas and entrepreneurs a chance

Inter-ministerial and cross sectoral cooperation (process)

Benefits of interdepartmental cooperation?

- Interdisciplinary research and innovation funding
- Cross sectoral use of technologies
- Cross sectoral use of policies



Future

- Shift towards societal challenges in R&D&I policy is evident
- Define mutual priorities and objectives
- Horizontal cooperation – multidisciplinary approach!
- Stakeholder involvement is necessary – invest in new relations!
- Accept diversity
- ...



Thank you for your attention!

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