



Concept to Integrate Open Collaboration in Technology Roadmapping: Stakeholder Involvement in Strategic E- Government Planning

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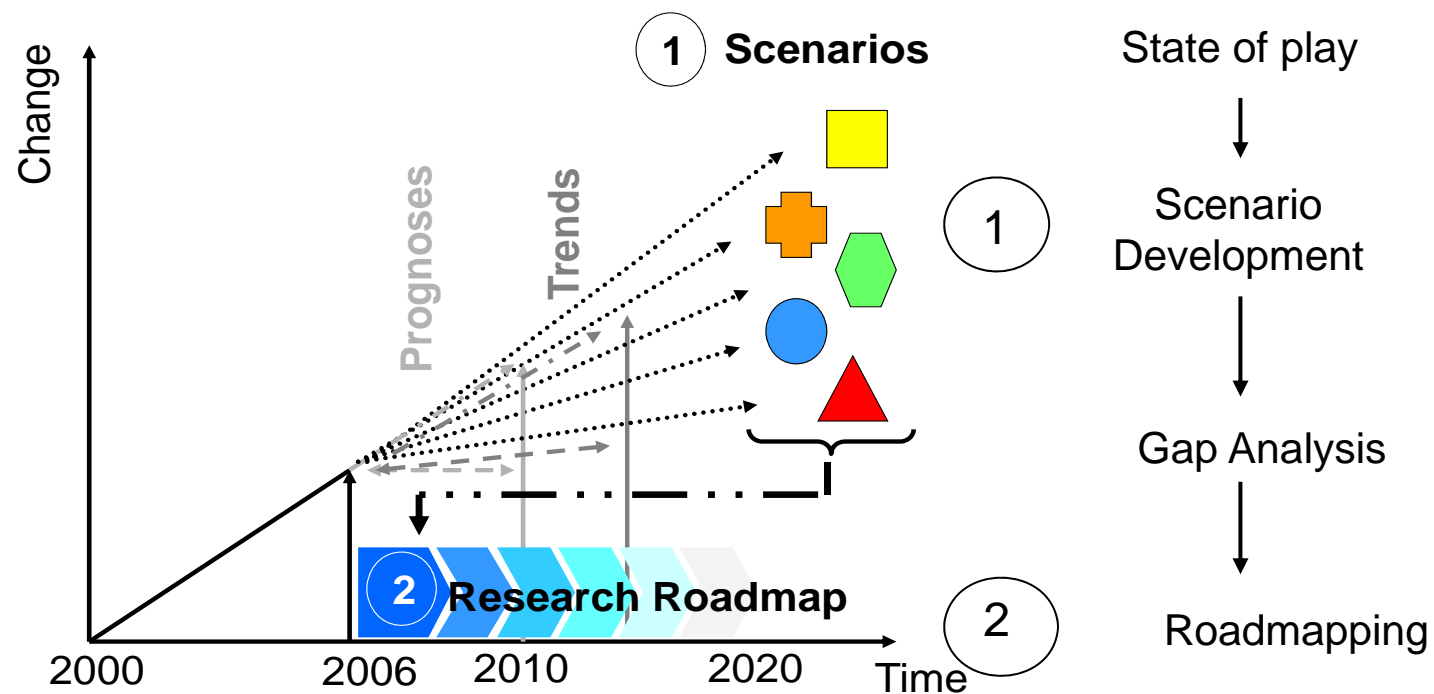


Background

- The European Commission (EC) is funding Specific Support Actions (SSA) to facilitate
 - the identification of current research needs and
 - the prioritisation of this research needs to facilitate planning of next funding programmes
- Most of these SSA apply Technology Roadmapping (TRM) to fulfil above named tasks
 - E.g. eGovRTD2020, PHS2020, ROADiBROM, Crossroad

The Technology Roadmapping Method

Roadmapping eGovernment research





Stakeholder Involvement in Strategic E-Government Planning

- The principles of Good Governance
 - Openness, Participation, Accountability, Effectivity, and Coherence
- Required for the strategic planning of e-government research
- Stakeholder involvement in the formulation and scoping of future research fields is crucial
 - How far can be and are stakeholders already involved in policy-oriented science and technology roadmapping?



Case Study Analysis

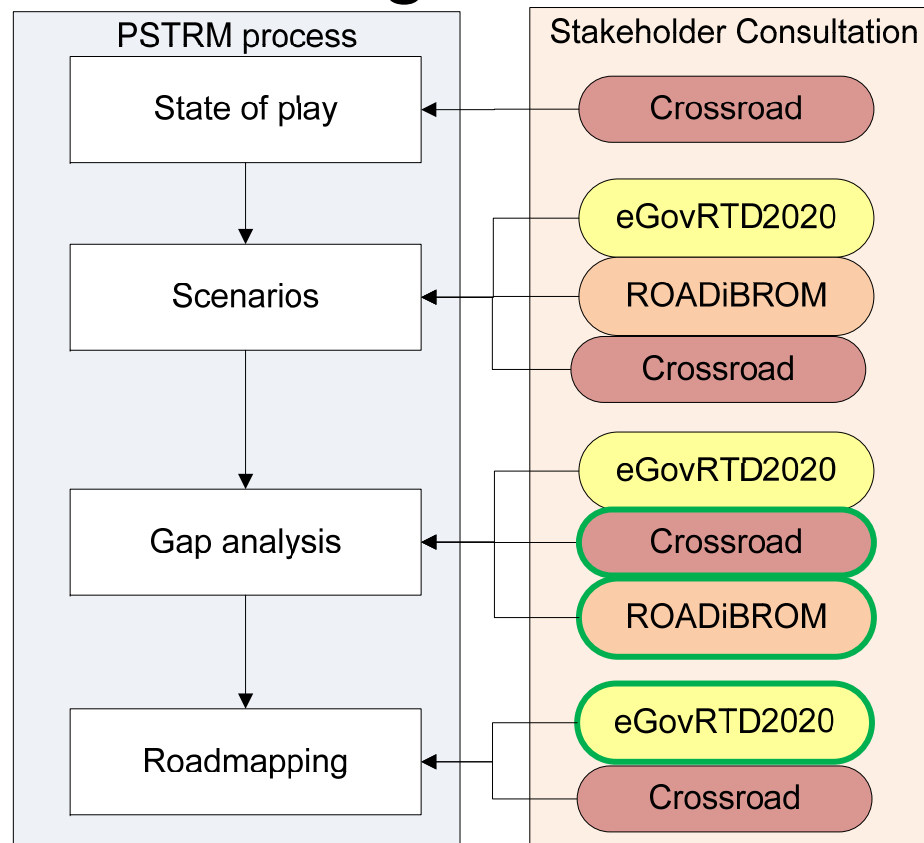
Comparison criteria	eGovRTD2020	PHS2020	ROADiBROM	CROSSROAD
<i>Problem scope</i>	E-government	E-health	Digital Mobile Broadcasting	E-Governance
<i>Objective</i>	Guideline to shape future R&D investment of the EC in E-government	Guideline to shape future investment of the EC in E-health	Guideline to shape future investment of the EC and China in Digital Mobile Broadcasting	Guideline to shape future investment of the EC in E-Governance
<i>Research scope</i>	Technology and government modernisation Governance and strategic planning	Technology Secondary: context concerning issues of implementation and deployment	Technology	Technology Governance and policy modelling
<i>Geographical scope</i>	European Union (including aspects from the US and Australia)	European Union	European Union and China	European Union (including aspects from all over the world)



Comparison criteria	eGovRTD2020	PHS2020	ROADiBROM	CROSSROAD
<i>Experts consulted (who are external to the project team)</i>	Varied and various Consulting different experts all the time	Persistent and constant Consulting every time the same experts (e.g. ESC, Gartner's analysts)	Varied and various Consulting different experts all the time	Persistent and constant Consulting every time the same experts (e.g. ESC, Gartner's analysts)
<i>Number of experts</i>	< 1.000 experts (about 480 workshop participants and 380 survey respondents)	< 1.000 experts (about 400 workshop participants)	<1.000 experts (about 300 workshop participants and about 300 survey respondents)	< 1.000 experts (about 200 workshop participants, further participants in social networks and online questionnaires)
<i>Level of determinism of the number of experts consulted</i>	Not defined ⇒ unlimited	Defined ⇒ limited	Not defined ⇒ unlimited	Defined ⇒ limited
<i>Quantity of experts consulted</i>	Very large (>500 experts)	Large (<500 experts)	Very large (>500 experts)	Very large (>500 experts)
<i>Quantity of experts consulted at different phases</i>	Varying	Constant (ESC)	Varying	Constant (ESC) Varying (Online Consultation)

Comparison criteria	eGovRTD2020	PHS2020	ROADiBROM	CROSSROAD
<i>Means to consult experts</i>	Face-to-face expert workshops (ws) Validation workshops Online expert consultation	ESC meetings Face-to-face expert workshops Validation conference	Face-to-face expert workshops (ws) Validation workshops Online expert consultation Questionnaires Personal interviews	ESC meetings Face-to-face expert workshops Online expert consultation
<i>Project phases (in which experts were consulted)</i>	Scenario development Roadmapping (including results from the scenario and gap analysis)	State of play Scenario development Gap analysis Roadmapping	Scenario development Roadmapping (including results from the gap analysis)	State of play Scenario development Gap analysis Roadmapping
<i>Number of consultation events</i>	18	10	53	6
<i>Specification of consultation events</i>	Scenario building (7 ws + 1 internal validation ws) Roadmapping (8 ws + 1 internal & 1 expert validation ws)	5 ESC meetings 4 consultation ws 1 validation conference	Scenario building (1 ws + 44 expert interviews + 1 online validation survey + 1 internal consolidation ws) Roadmapping (5 ws + 1 validation ws)	2 ESC meetings (validation ws) 2 dissemination ws 2 online consultation

Overview of online stakeholder consultations throughout PSTRM methodical steps



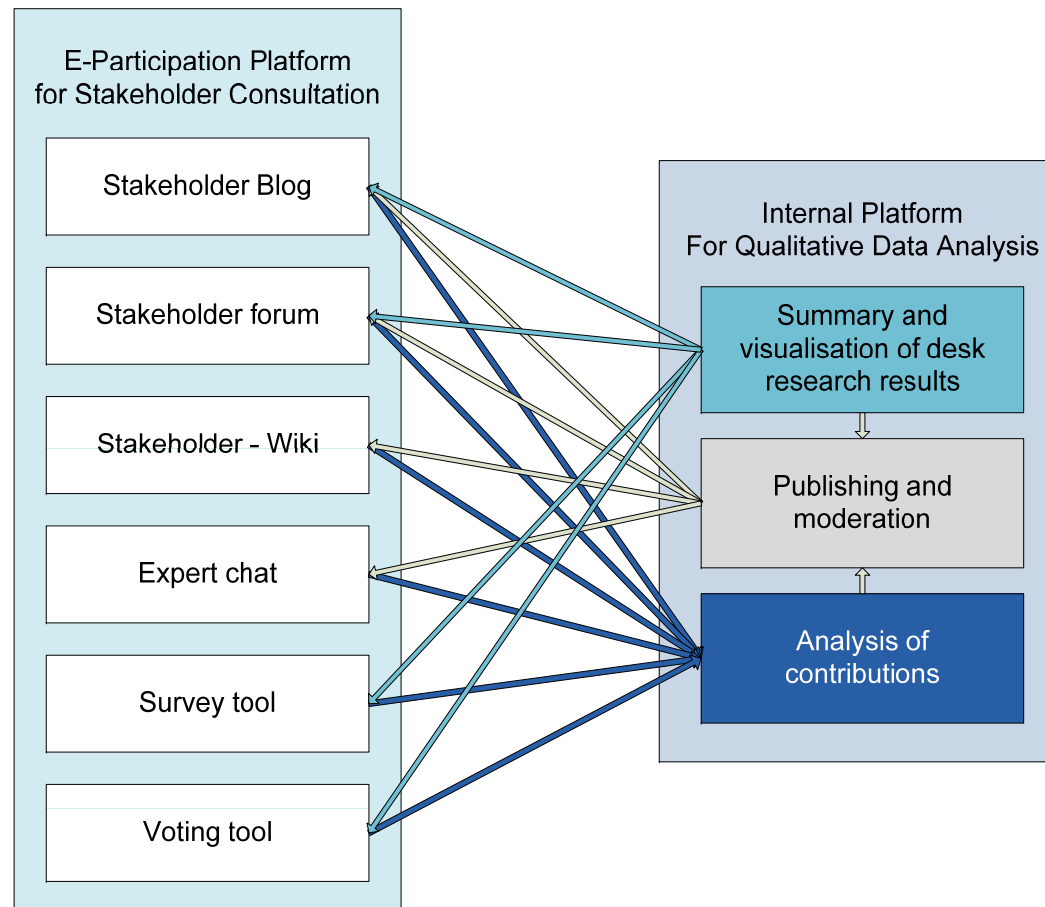
- mainly face-to-face expert workshops
- projects could have exploited online consultation facilities to reach a wider audience in every methodical step
- a high potential to apply online consultation is identified, as stakeholder consultation takes place in every methodical step



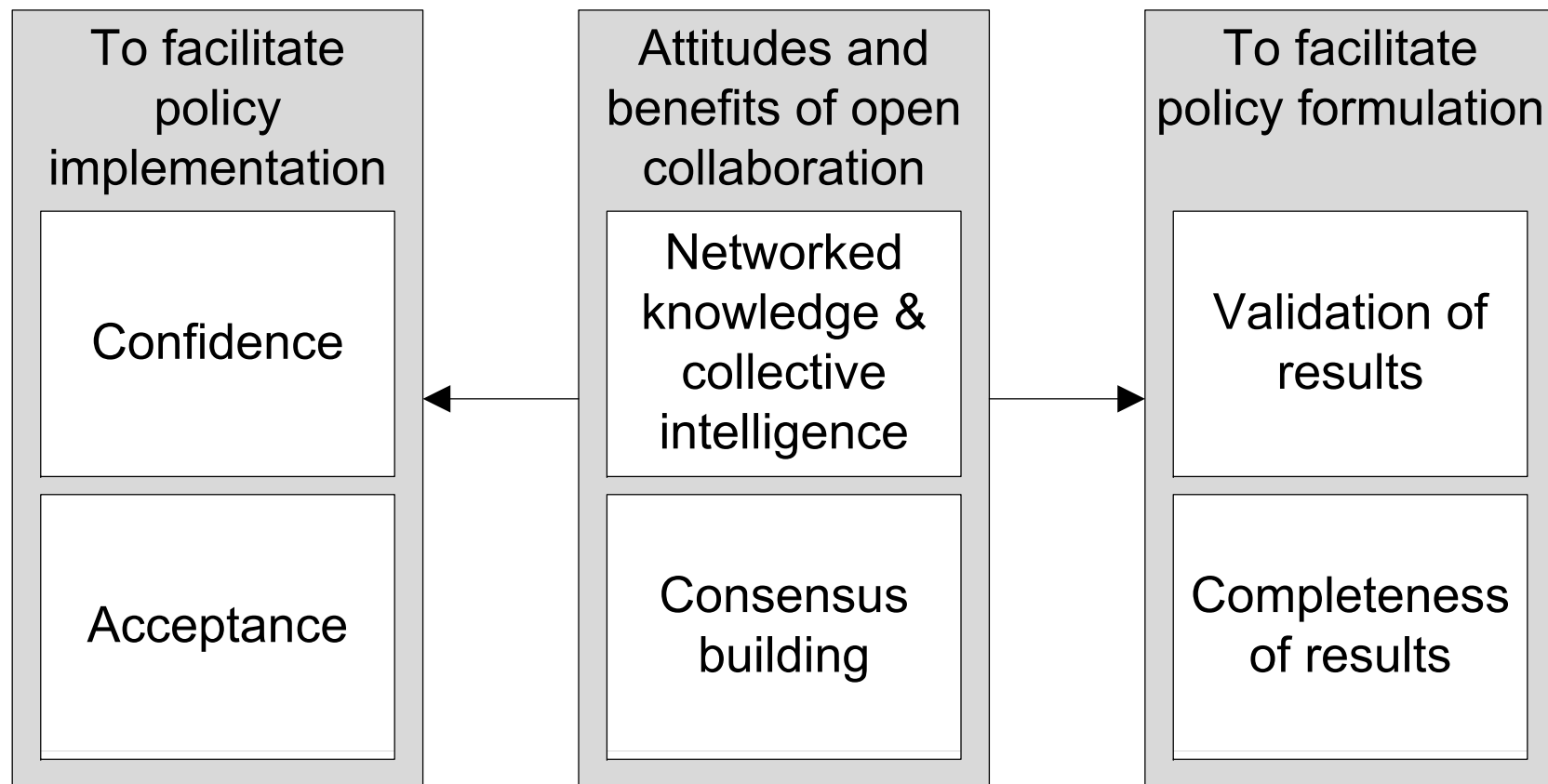
Why online consultation?

- Improving information exchange and communication between stakeholders and analysts during the whole policy formulation process is important for:
 - knowing and understanding the different viewpoints of stakeholders in the context of the policy
 - informing stakeholders about the perspectives resulting from desk research
 - promoting wide-ranging acceptance within and across stakeholder groups

Conceptual design of stakeholder engagement through e-participation tools



Benefits of online consultation and open collaboration through e-participation tools





Thank you very much
for your attention!



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