
The learning individual in the process of participative foresight

How does participation in a participative technology foresight workshop influence the learning individual?

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The democratic deficit & participative foresight

Objective driven technology foresight:

- Mostly limited to an exclusive circle of experts
- Disregards the societal and technological co-shaping of technology
- Misses methods to systematically consider the demand side of innovations
- Lacks investigation of individual users' and citizen's perspective

→ a “democratic deficit” of objective driven foresight

Participative foresight:

- To include a wider source of opinion of different parts of society

Research focus

Research
interest:

- The impact of the participation in a foresight process on a learning individual
- Does participation in a technology foresight process influences the individuals' awareness of her or his ability to co-shape the future?

Constructivistic learning theory

Social constructivism and its learning theory:

- Truth and reality – an individual construction
- Learning – actualization of the construction caused by new impressions and experiences
- New views on reality and new courses of action – signs of learning.

- Learning in interaction with subjects and objects
- Subject-object-interactions corresponding with Morgensens provotyping used in “Shaping future“

Practical application

“Shaping Future“

- Conducted by Fraunhofer-Gesellschaft
- Funded by German Ministry of Research and Education

Aims to develop new methods to benefit from participation in technology foresight in by using ...

Creative workshops

Prootyping


... used to make out the tacit knowledge people have about their future wishes and demands.

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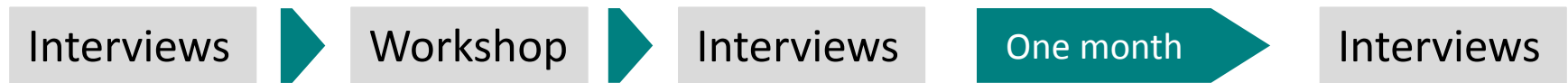
Research
question:



“How does the participation in one of the workshops of “Shaping Future” influence the learning individual concerning her or his awareness of the malleability of the (technological) future?”

Research design

- Data collection: ten “Shaping Future”-workshop participants



- Analysis approach: Qualitative Content Analysis

→ Monitoring a change in the individual’s opinion and action as it surveys before and after participation.

Expected benefits

- A better overall understanding of participative foresight
- An improved methodology and method of participative foresight
- A better access to the individuals' demands towards future technology

Thank you for your attention!

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