Knowledge creation in foresight

a practice- and systems-oriented view

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Lectio praecursoria
22.1.2016
Knowing about the future

Heinrich Leutemann: The Oracle of Delphi Entranced
Foresight
Linear view of knowledge creation in foresight

Experts → Foresight process → Futures knowledge
Futures knowledge

Codified  Articulated  Embodied  Out-of-radar
Knowledge creation in workshops

Challenging assumptions & reframing topics

Discussion of group 2

Divergence (up) - convergence (down)

Phrase number

- Codified
- Embodied
- Out-of-radar
- Facilitation
Broader view: foresight as a system

**Capabilities**

- Cognitive schemes
  - Mental models about other agents, interactions, system

**Relations**

- Mediating events
- Agents
- Strategic objects

**Process knowledge**

- Metaphors
  - Shared perceptions
- Memory objects
  - Knowledge about the futures
Futures knowledge as a network
Knowledge creation in foresight: Changes in the network

Changes in emphasis

Economic growth (sustainability)

Responsible economy and sustainable growth

Sustainable growth

Survey

Feedback on themes by the government

Thematic group work

Reframing

Economic growth is sustainable due to decoupling of material growth
Knowledge creation in foresight: two views

Knowledge conversions

- **Out-of-radar knowledge**
  - Broadening and associating
- **Embodied knowledge**
  - Reflecting visions against experience
  - Experience
- **Articulated knowledge**
  - Sharing and articulating
  - Abstracting and synthesizing
  - Data
- **Codified knowledge**

Shaping of a network

- Knowledge
- Responsible
- Sustainable
- Productivity
- Jobs
- Growth
- Finland
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- Welfare
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Foresight: from process to system

Input

Foresight

Output

Agents

“Stakeholders”

Project group

Thematic groups and ambassadors

Steering group

Ministerial working group

Government in office

Concept network

Innovation system

Foresight system

Agents interact in foresight processes

Processes shape the concept network

Foresight processes

Model of sustainable growth

Model of national foresight

Report on the future

Assessment of the foresight phase
Participation: from experts to diverse network

Pictures: Heidi Auvinen
Futures knowledge: from block to network