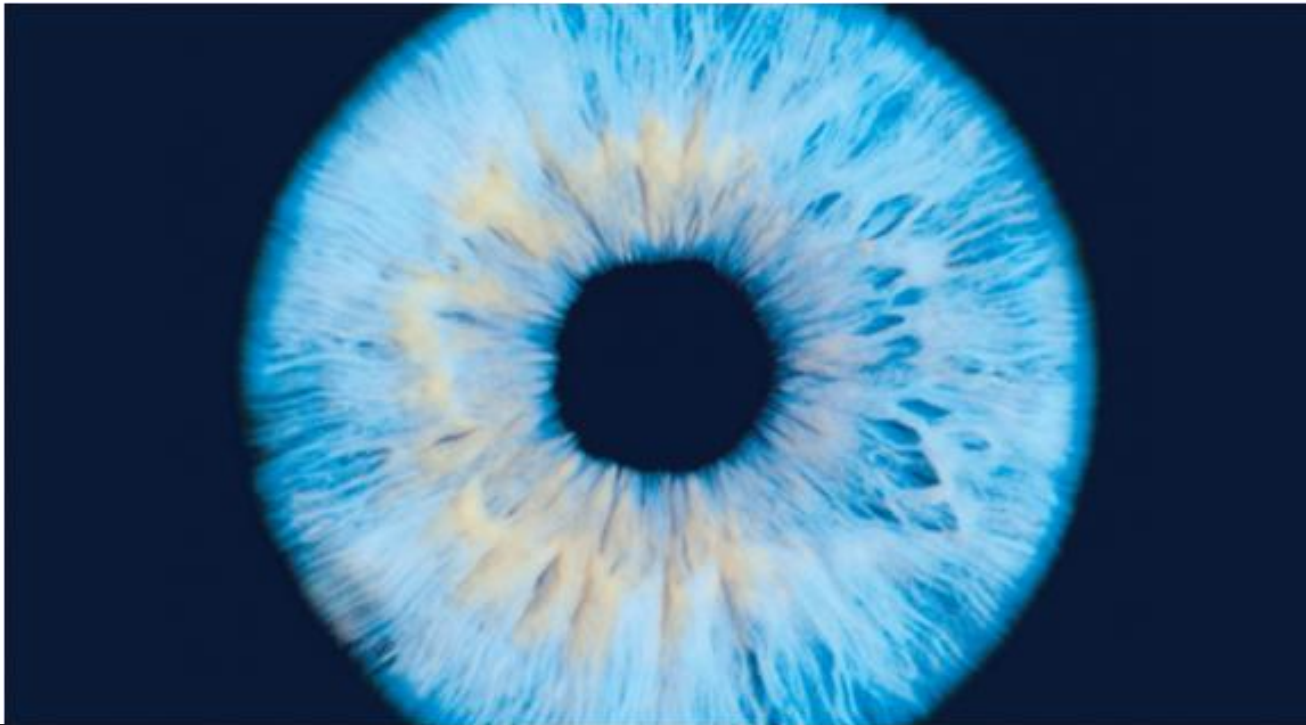


---

# TECHBREAK CONCEPT OUTLINE

Dr. Kerstin Cuhls, Fraunhofer Institute for Systems and  
Innovation Research

---



©Klaus Mellenthin

---

# Table of contents

---

---

- Fraunhofer Institute for Systems and Innovation Research
- TECHBREAK: General Approach
- Potential Steps of the Working Process
- Participants

# Competence Centers of Fraunhofer ISI

<b>Energy Policy and Energy Systems</b>	<b>Industrial and Service Innovations</b>	<b>Innovation and Technology Management and Foresight</b>
<b>Business Units</b>	<b>Business Units</b>	<b>Business Units</b>
<ul style="list-style-type: none"> <li>▪ Energy and Climate Policy</li> <li>▪ Energy Efficiency</li> <li>▪ Renewable Energies</li> <li>▪ Energy Economy</li> </ul>	<ul style="list-style-type: none"> <li>▪ Technical and Organizational Process Innovations</li> <li>▪ Industrial Services</li> <li>▪ Sustainable Production Systems and Location Management</li> </ul>	<ul style="list-style-type: none"> <li>▪ Futures Research and Foresight</li> <li>▪ Management of Innovations and Technologies</li> <li>▪ Strategies for Material Technologies</li> </ul>
<b>Fraunhofer ISI</b>		
<b>Sustainability and Infrastructure Systems</b>	<b>Emerging Technologies</b>	<b>Policy and Regions</b>
<b>Business Units</b>	<b>Business Units</b>	<b>Business Units</b>
<ul style="list-style-type: none"> <li>▪ Water Resources Management</li> <li>▪ Transportation Systems</li> <li>▪ Systemic Risks</li> <li>▪ Sustainability Innovations and Policy</li> </ul>	<ul style="list-style-type: none"> <li>▪ Biotechnology and Life Sciences</li> <li>▪ Innovations in the Health System</li> <li>▪ Information and Communication Technologies</li> </ul>	<ul style="list-style-type: none"> <li>▪ Policy and Evaluation</li> <li>▪ Regions and Clusters</li> <li>▪ Innovation Indicators</li> </ul>

---

# TECHBREAK: General Questions

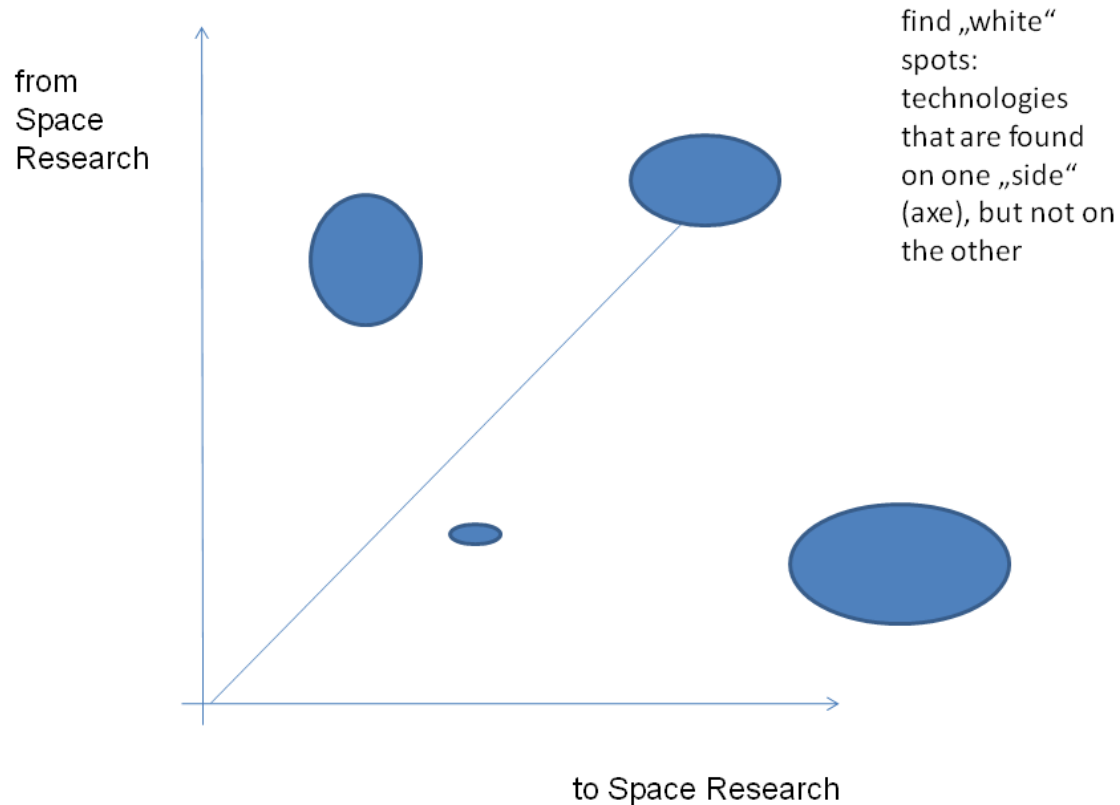
---

---

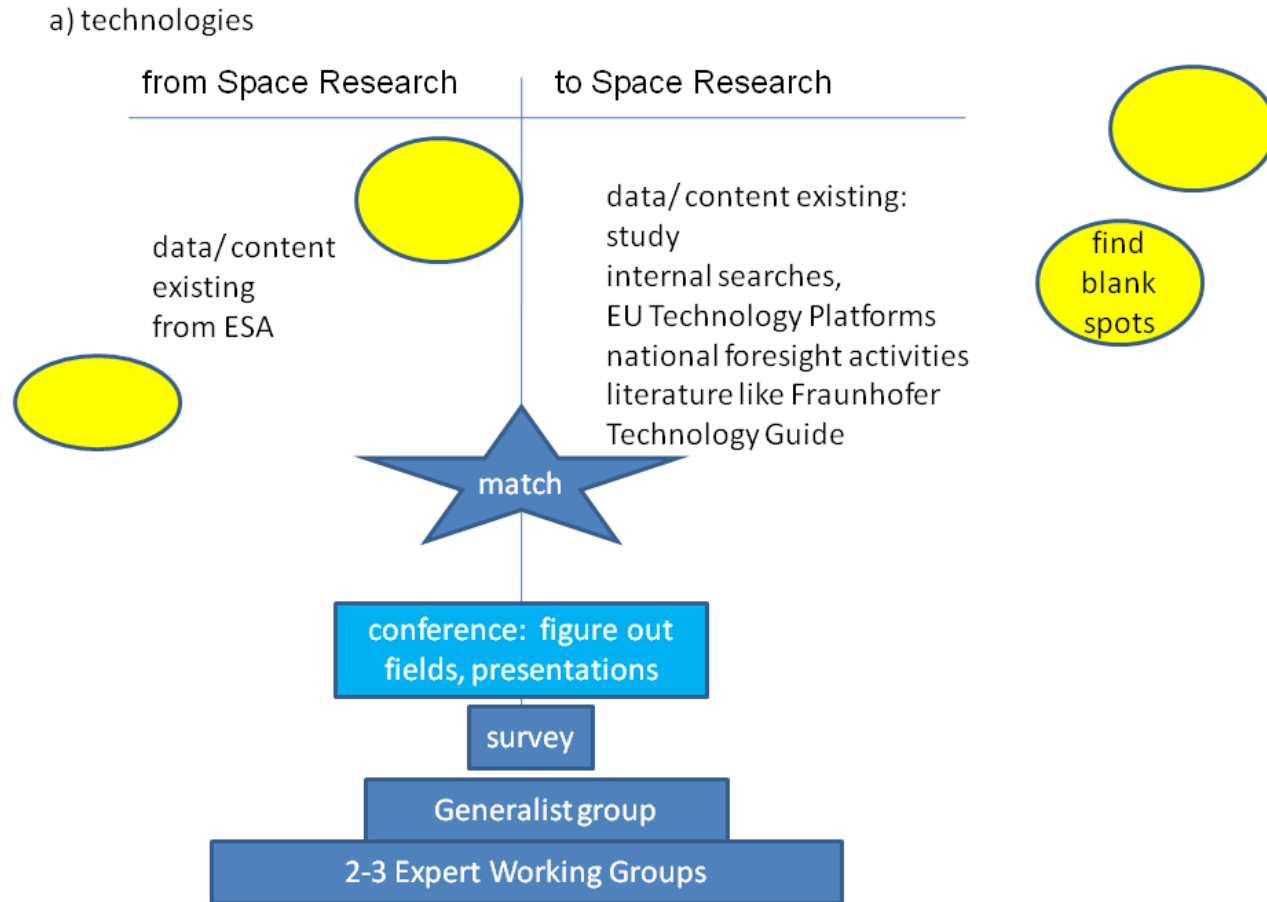
- (i) identifying the associated technology development;
- (ii) considering forecast for technologies that would enable the achievement of these scientific objectives;
- (iii) identifying partnership schemes (space and non-space); and
- (iv) facilitating the spin-in of top non-space technologies.

# TECHBREAK: Search for Technologies – General Aim

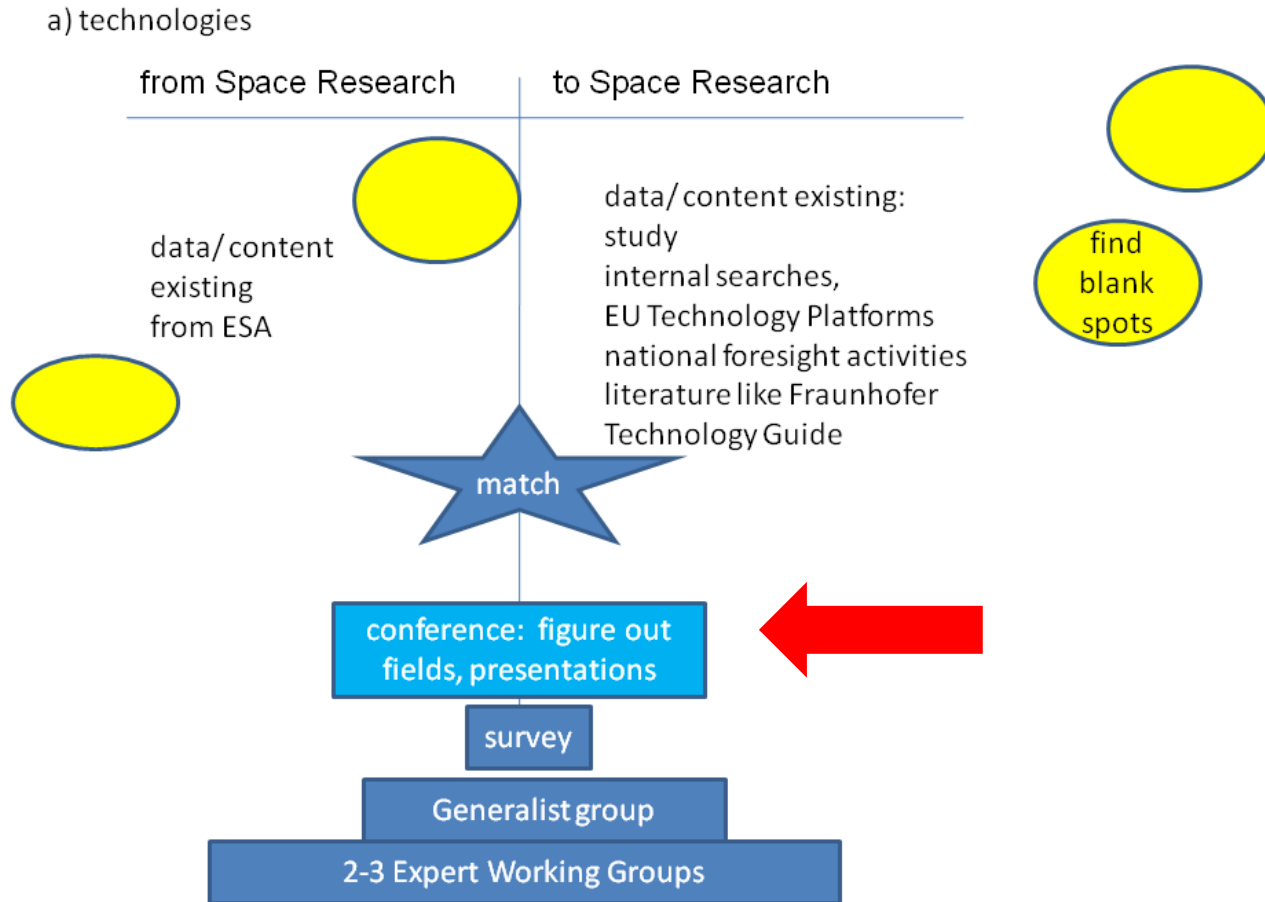
---



# TECHBREAK: Search for Technologies - procedure



# TECHBREAK: Search for Technologies - procedure



---

# TECHBREAK: Which level of granularity?

---

---

- **Classification (proposal):**
- Technology Field: e.g. Biotechnologie, Materials
- Technology Area: e.g. Biomaterials
- Application: e.g. Biomaterials for tissue, biomaterials for implants, ...

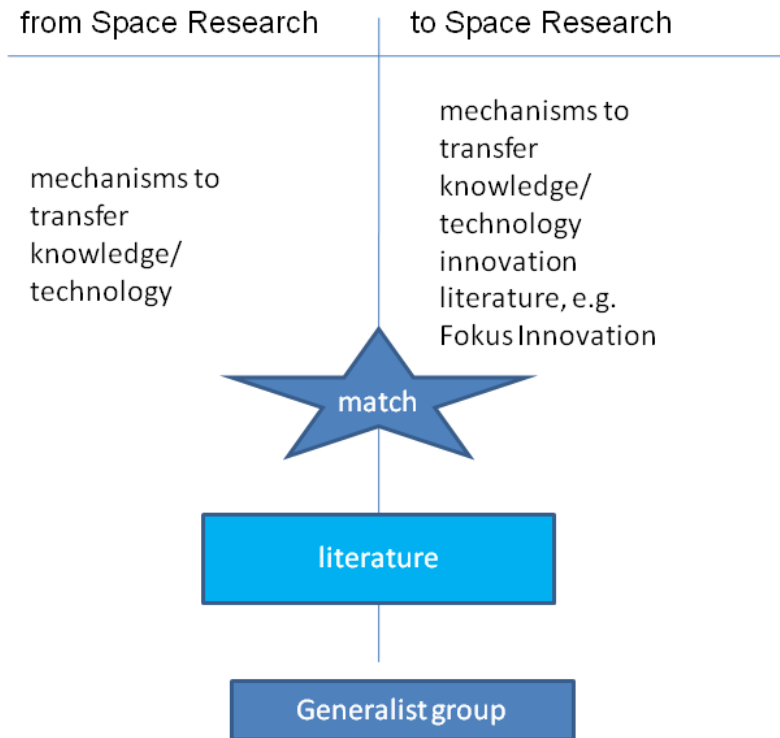


# TECHBREAK: Search for Innovation Mechanisms

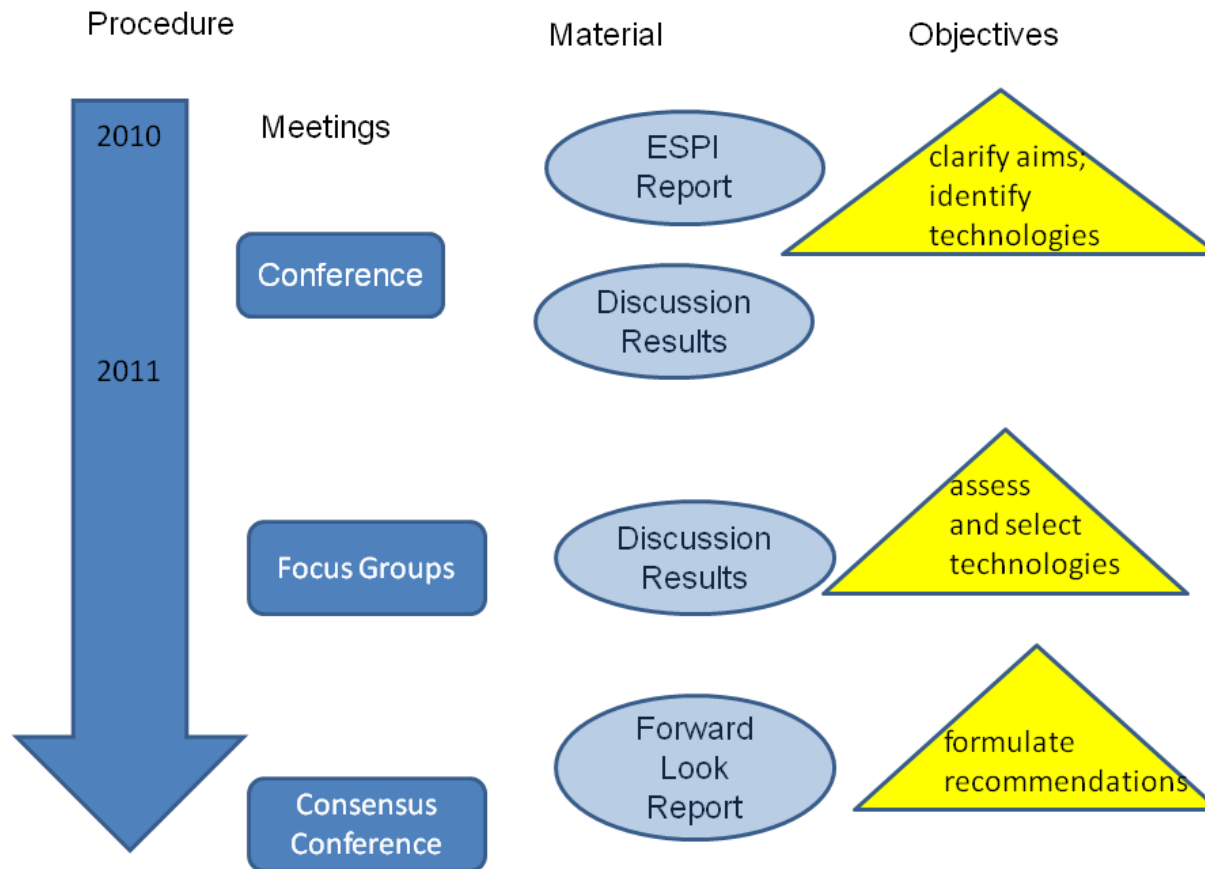
---

---

b) innovation mechanisms



# TECHBREAK: Further „Methodological Components“ and Steps



---

# TECHBREAK: Expectations for the Conference

---

---

- acceptance of the qualitative approach
  - learning effects for every participant
  - vivid discussion of statements about future developments/ technologies in different fields
  - clarification of criteria how to select
  - clarification of the granularity level to work with
- This conference is only one part of the process!

---

Open your eyes for the discussions – and for  
the future

---

