

The SCAR Foresight Process

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SCAR Foresight Group

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SCAR Conference 4 – 5 December 2017
Tallinn



REPUBLIC OF ESTONIA
MINISTRY OF RURAL AFFAIRS



Topics



- **Why we need Foresight?**
- **SCAR and the Foresight Process**
- **SCAR Foresight exercises - 1st to 4th**
- **The way forward – Research & policies**
- **Towards the 5th SCAR Foresight**

Foresight – Forward Looking Activities



The term ,Foresight‘ describes activities such as:

- **Critical thinking / vision concerning long-term developments**
- **Creating recommendations for research and policy - R&D priority setting**
- **Shaping the future, especially by supporting / influencing public policy**

**Foresight is an instrument for
strategic planning and public policy building**

Foresight – Why are they so important today?



- **Population growth (9.8 billion in 2050): more food, water, energy, fibre and fuel → increased demand of biomass → resources scarcities**
- **New speed of change & shorter (re-) action time to prepare for unexpected developments and abrupt and irreversible consequences**
- **Frequency and intensity of interconnected crisis increasing followed by political decisions**
- **Strong feedbacks between environmental, social and economic systems increase changes, uncertainty and risks about the world food situation & international security**

Foresight - Forward Looking Activities



Foresight encompasses an approach that combines three components

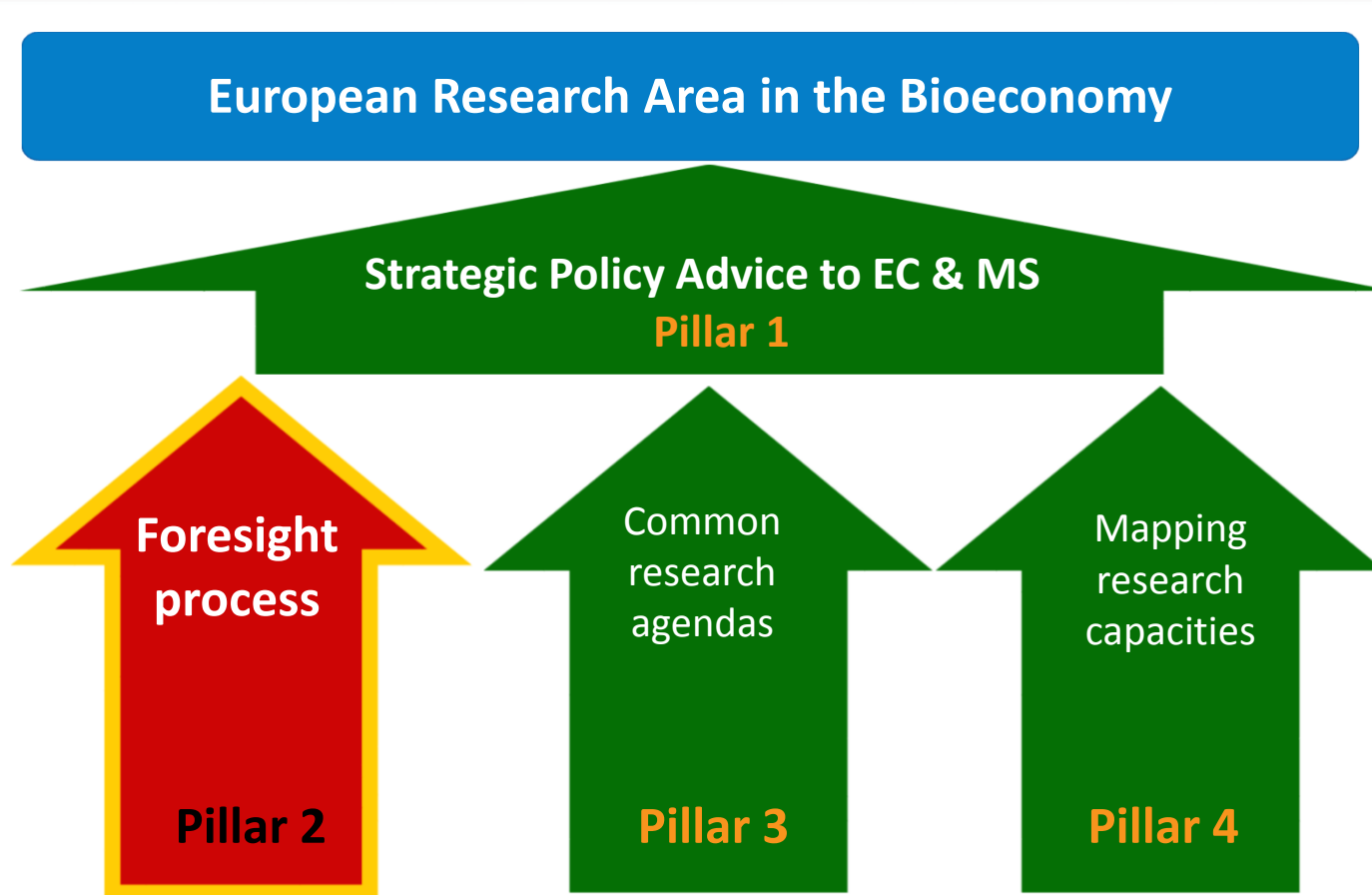
- **Future (forecasting & forward thinking)**
- **Planning (strategic analyses & priority setting)**
- **Transmission / implementation of results (common research & networking)**

SCAR has always supported Foresight and Foresight related processes as a core instrument

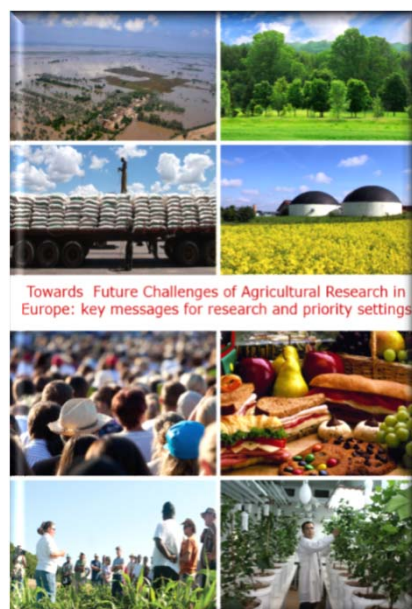
to inform, to advise and to facilitate policy

Research and Innovation plays a key issue

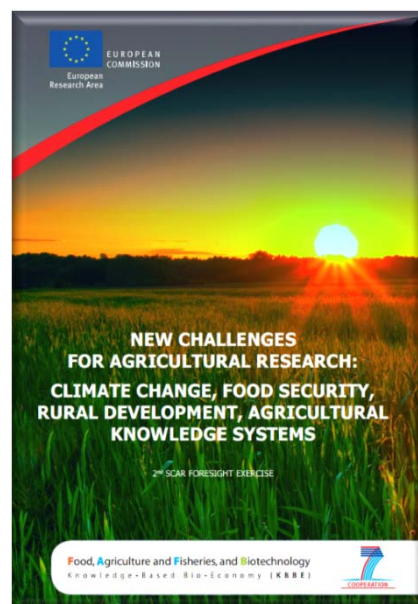
Foresight: A pillar of SCAR activities



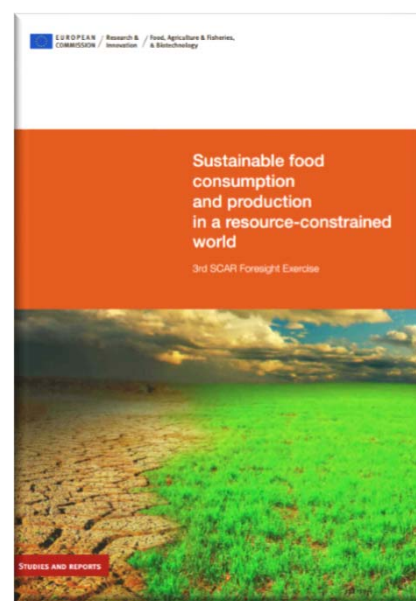
Four SCAR Foresight in a series...



2007



2009



2011



2015

... all available at: <https://ec.europa.eu/research/scar/index.cfm?pg=about#foresight>

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CASA, Support to SCAR

Purpose of SCAR Foresight

- Robustness test of current R&I agendas
- Detection of emerging issues



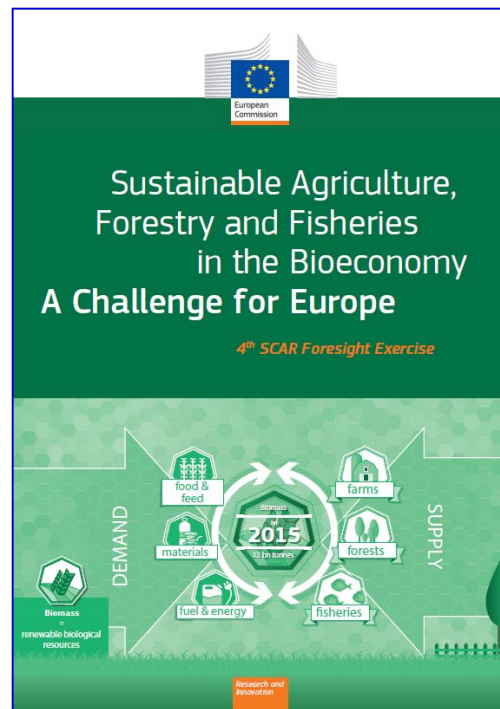
Thematic focus:

- 1st SCAR Foresight : climate change and energy
- 2nd SCAR Foresight : resilience and crises
- 3rd SCAR Foresight: resource scarcities and transitions
- 4th SCAR Foresight: Primary sector and the Bioeconomy

“Sustainable Agriculture, Fisheries and Forestry in the Bioeconomy

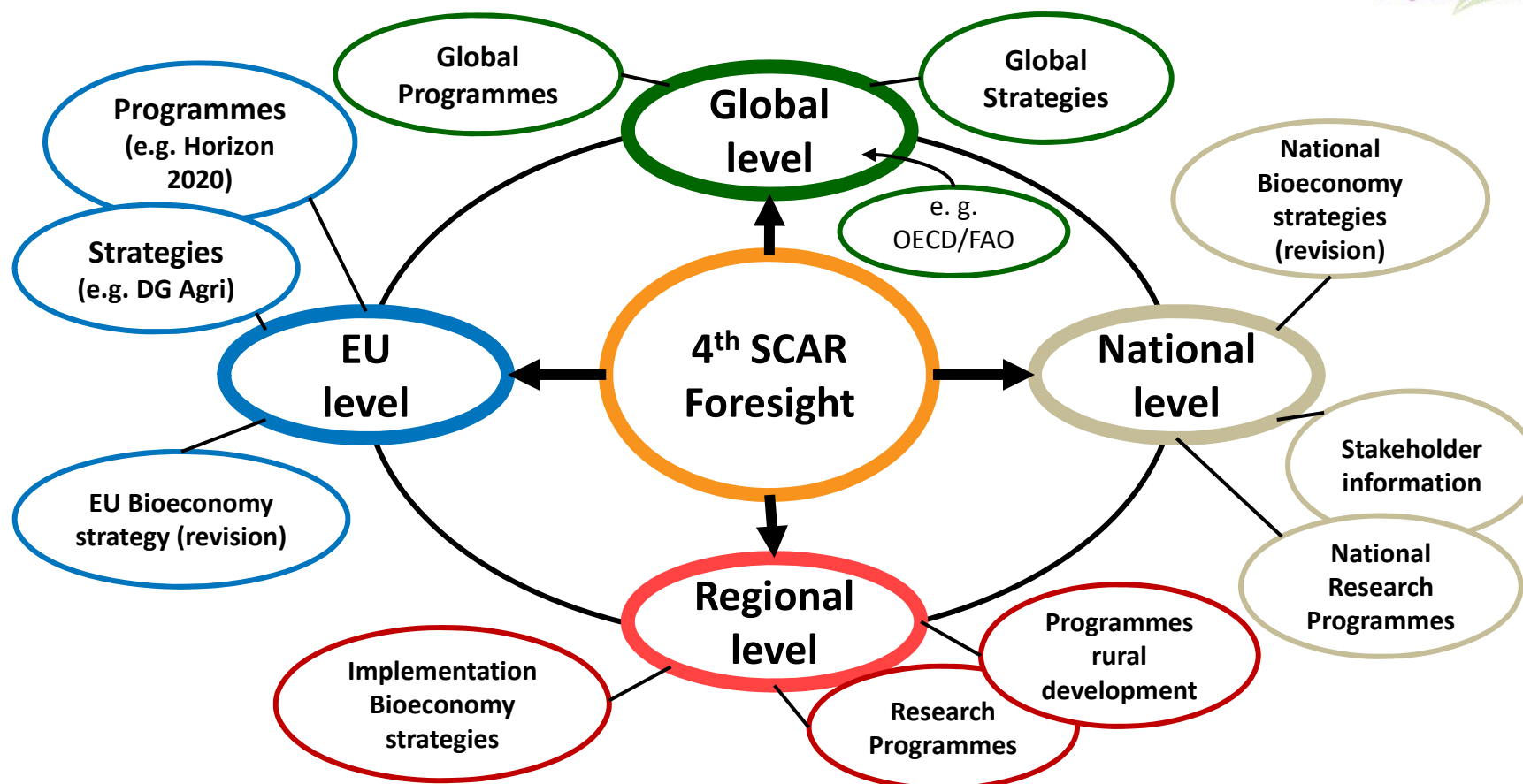
A Challenge for Europe”

4th Foresight (2015) – the first in the Bioeconomy



- Launched in 2014 to explore the interactions between the **primary sector** and the **Bioeconomy**.
- Emphasis on the future (2050)
- Explores what might happen by developing the paradigm of the bioeconomy with the fundamental constraint of sustainability.
- Analyses dilemmas, possible conflicts, opportunities and threats **based on scenarios**
- Identifies guiding principles for future actions.

Implementation / dissemination of SCAR Foresight results / recommendation



The way forward: Research



- **Transdisciplinarity: needs to be built into educational systems**
- *«Ride the wave»* of the fastest growing fields: ICT, Gene-Bio-Nano-technologies, Solar energy, ...
- Innovation in the **AKIS** is needed; **OPEN** science (access, data)
- Innovation is **not only technology** (social models, businesses, markets, behaviours) **SSH** fundamental.
- Engagement with **Society**, participatory approach, dialogue

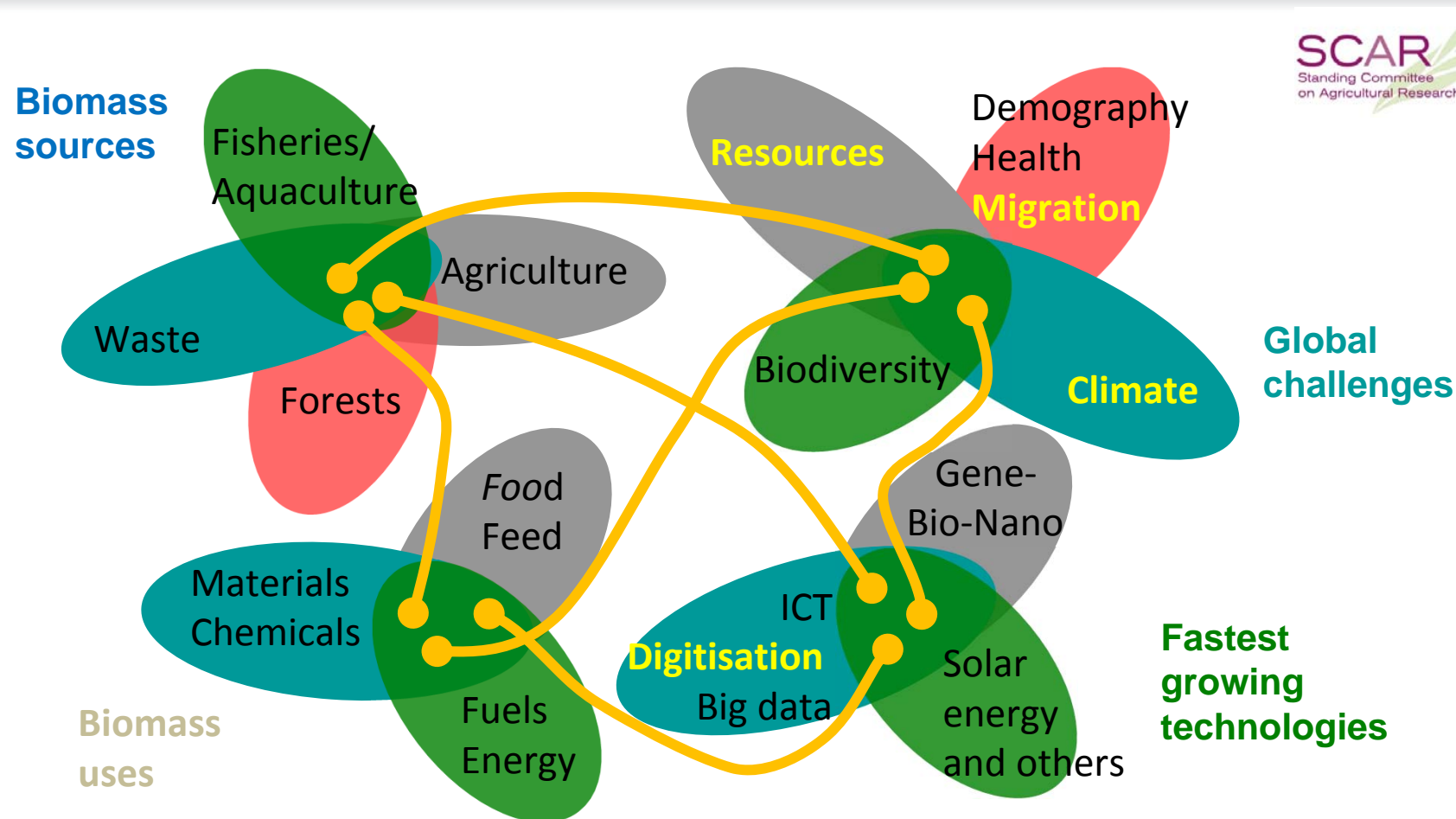
The way forward: Policies



- **Complexity requires coordinated policies. Governance is crucial.**
- **Member States and Regions develop/consolidate BE strategies.**
- **Policies should coherently help the transition: synergies instead of trade-offs.**
- **Strong coordination between Ministries will increase impact.**

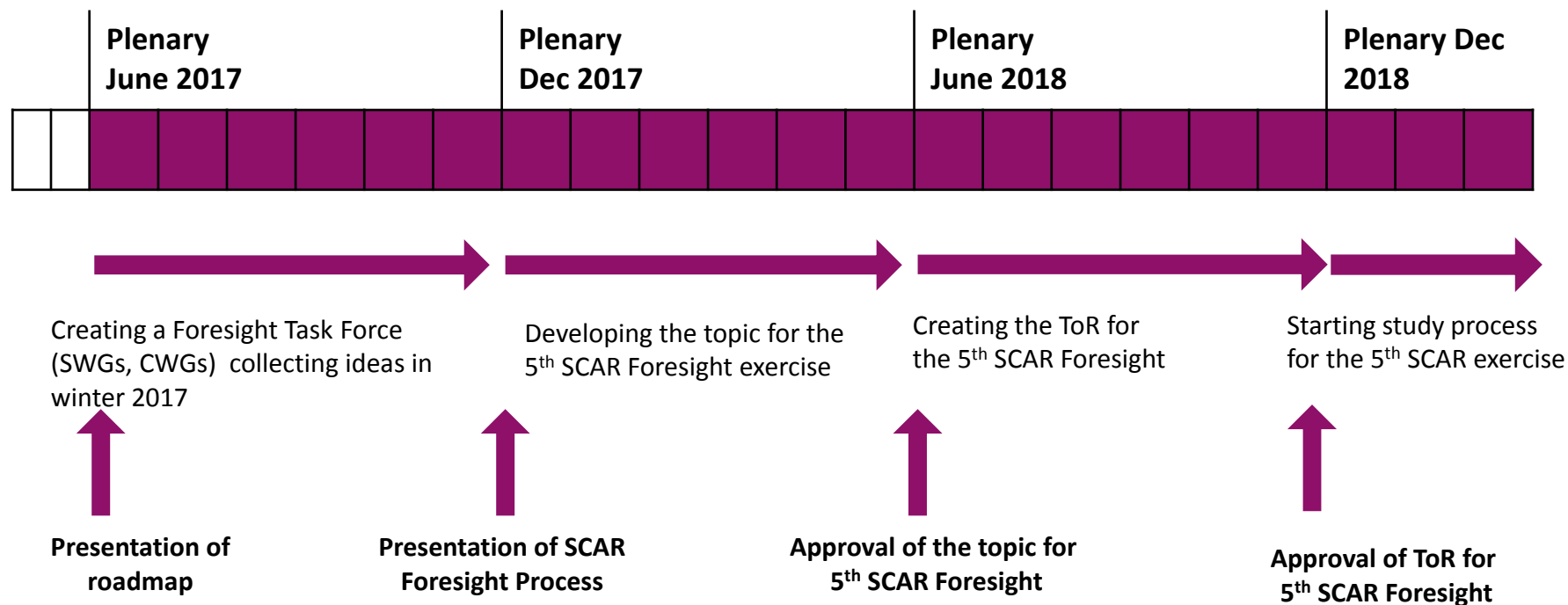
The way forward

Growing complexity



Roadmap towards the 5th SCAR Foresight exercise

➤ Timeline



The SCAR Foresight Process

Thank you for your attention

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