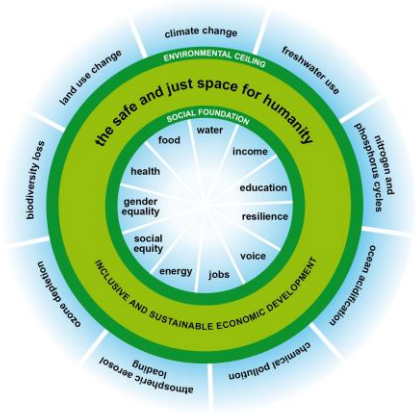
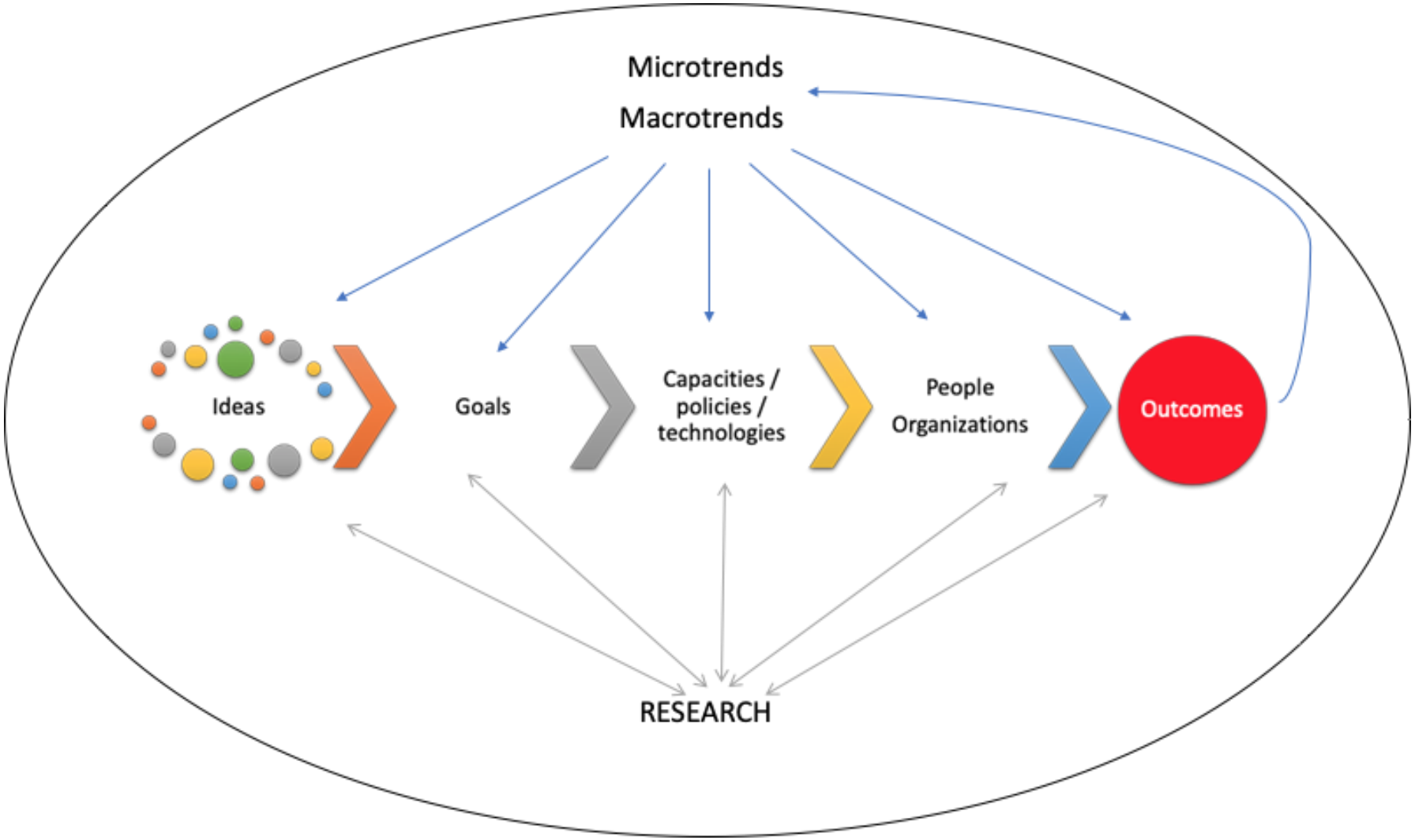
SCAR
Standing Committee
on Agricultural Research

The 5th SCAR Foresight Exercise



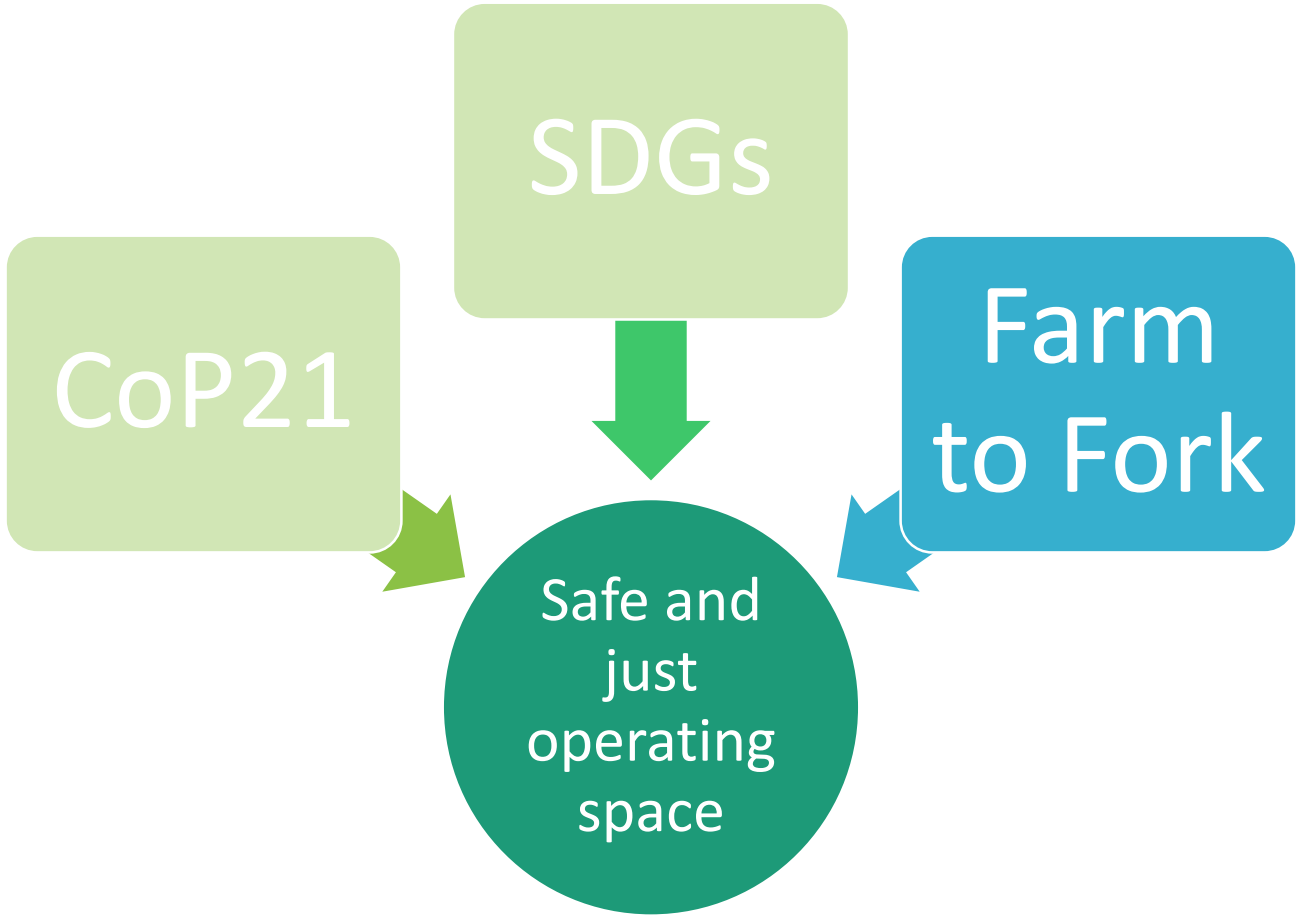
Natural resources and Food Systems: Transitions towards a “safe and just” operating space

Our conceptual framework



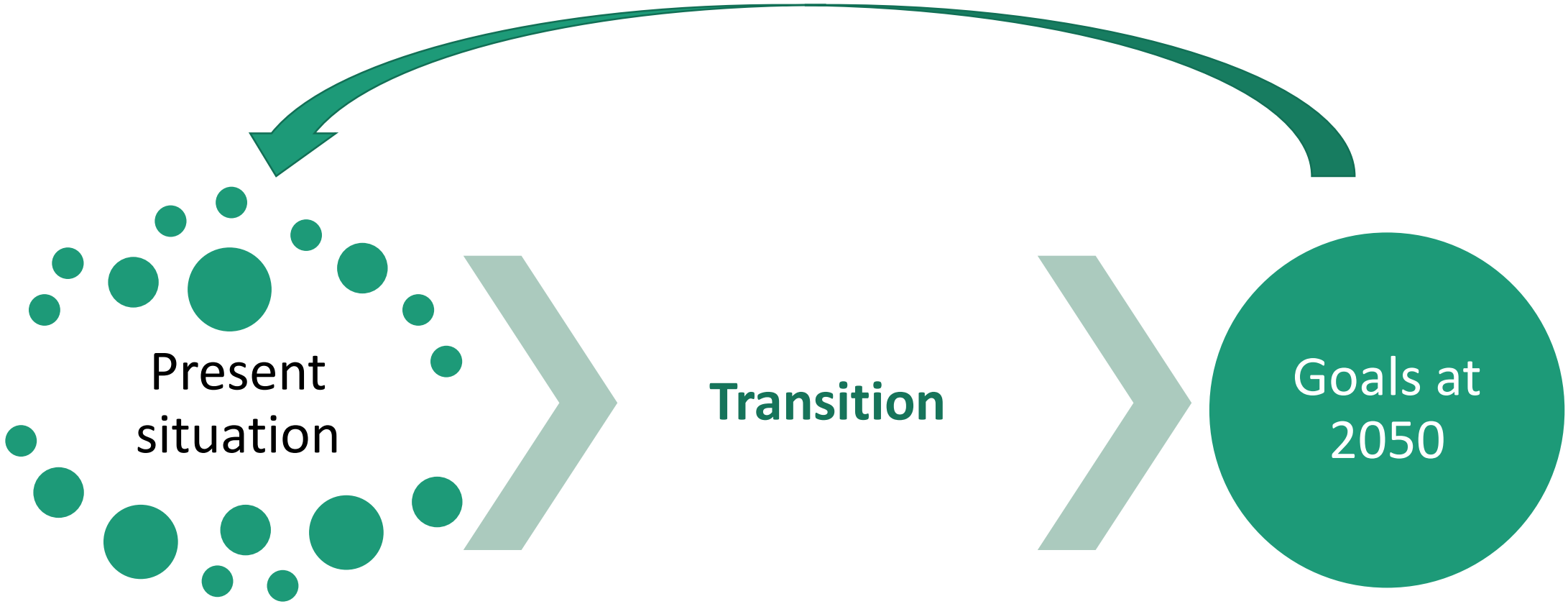
Goals

During our work ….

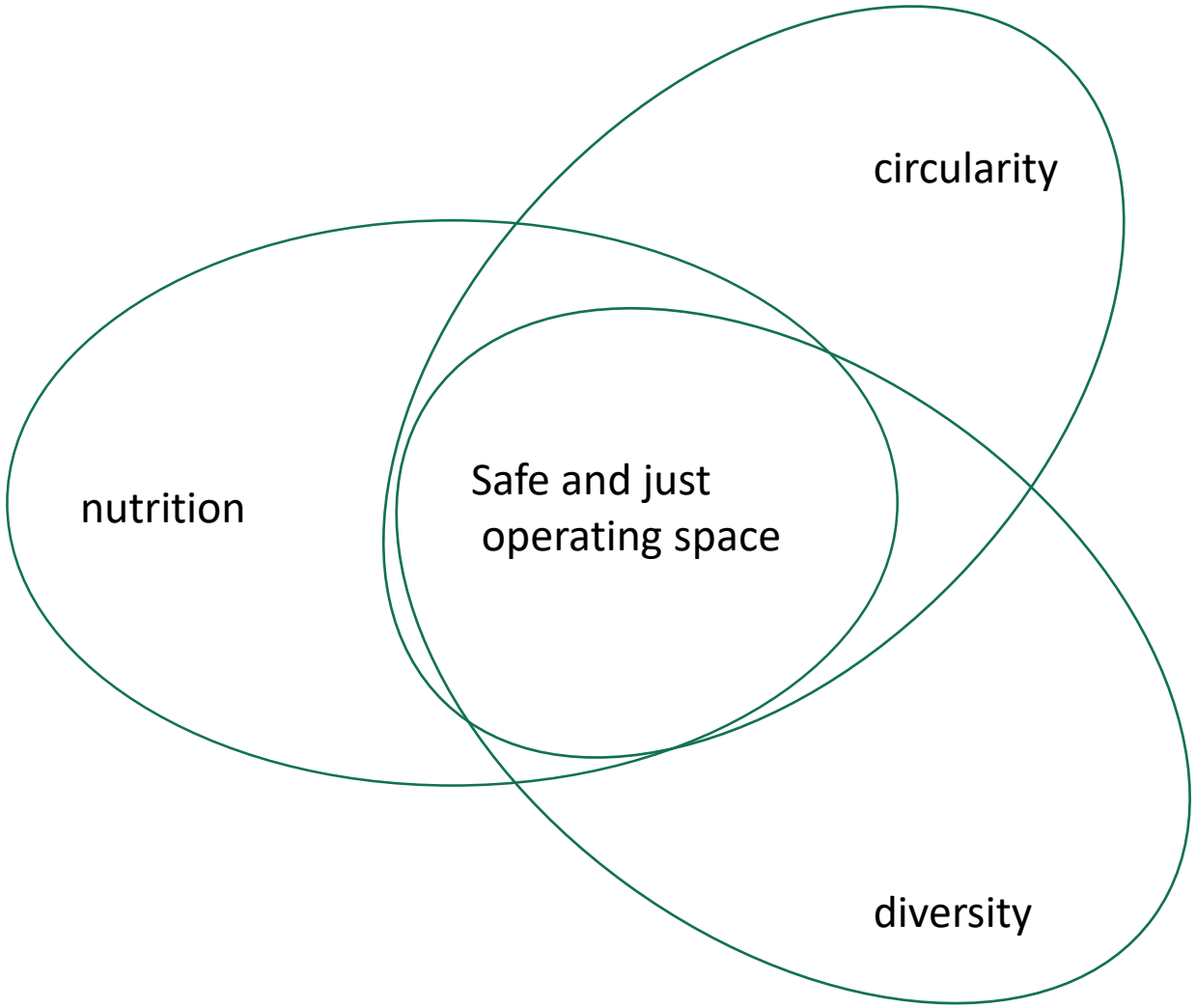


- Organic farming 25%
- Halving pesticides
- -20% fertilizers

Focus on transitions



Transition: One goal, three pathways



Transition related priorities

Cross-cutting priorities

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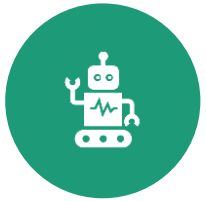
Food and well-being

Social innovation

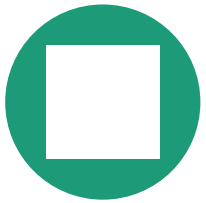
Agroecology



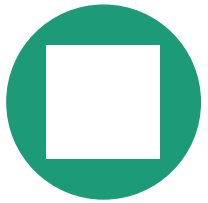
Digital transformation

Foresight culture

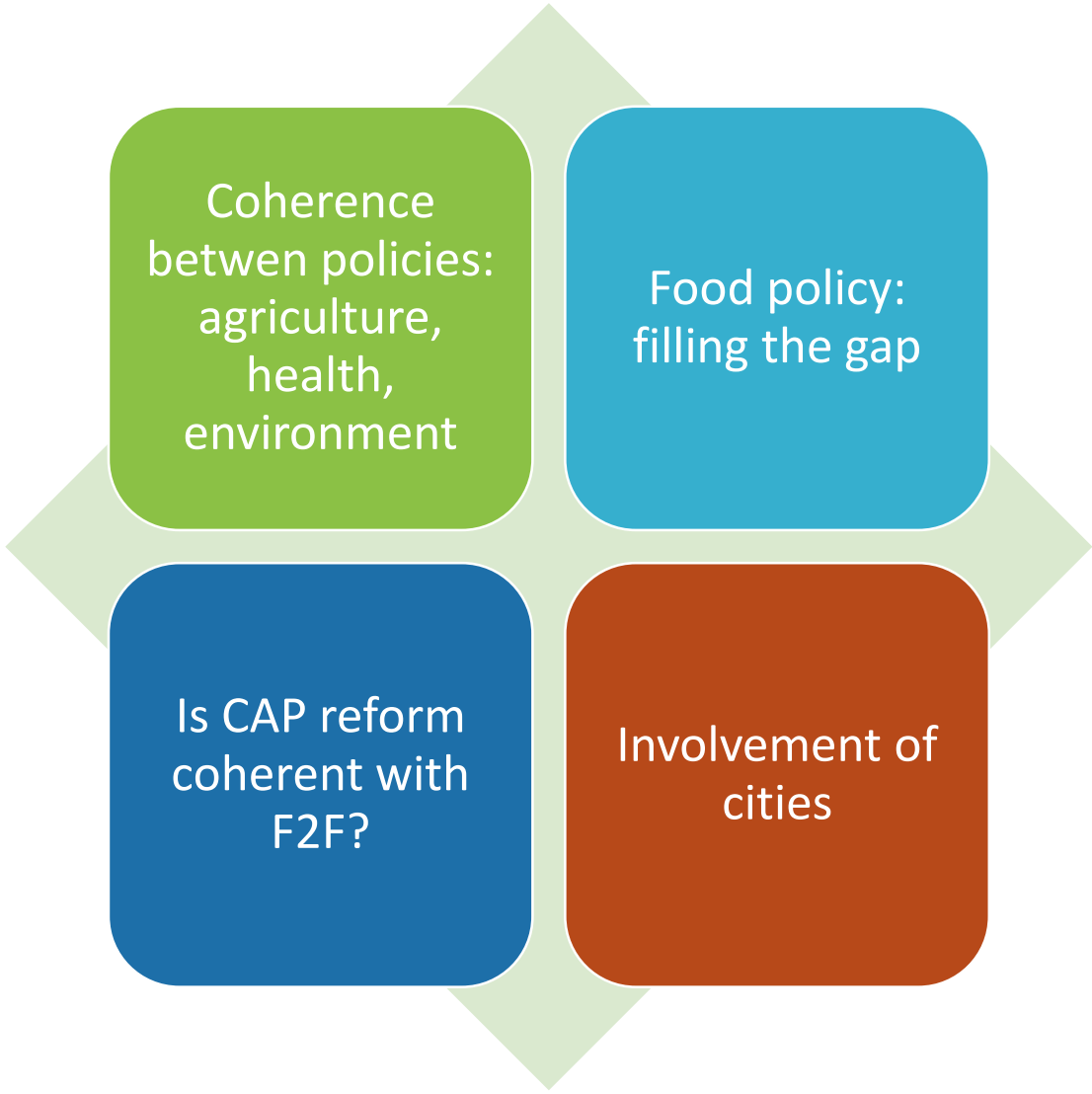
Coping with disasters



Finance for transition



Policy-related research



Principles for a transformative research policy

- **Directionality**: focus on challenges
- **Responsibility**: anticipating problems and unintended consequences
- **Openness**: beyond the limits imposed by academic and bureaucratic settings
- **Collaboration**: Multi actor approach, Interactive research
- **Alignment:** of national and European research

Implementation of research policies

SCIENCE-POLICY-SOCIETY INTERFACES

PARTNERSHIPS

LONG-TERM R&I NETWORKS

INTERNATIONAL COLLABORATION

Reflection for a transformative research policy

- Strong connection with policy making

  understanding the policy cycle (problem definition, agenda setting, design, implementation, evaluation) and the knowledge necessary to each of the steps

- Start from the problem and identify the means to address it

  a move from technology or sector-centered research priorities.

- Link research to precise quantitative targets

  Research goals such as ‘reducing the level of inputs’ is not sufficient any more

- Establish a conversation with society and business

  Need for specific support to platforms and networks

- Focus on nexus, trade-offs, synergies, barriers, game changers

  Research can transform ‘wicked problems’ into ‘complicated problems’

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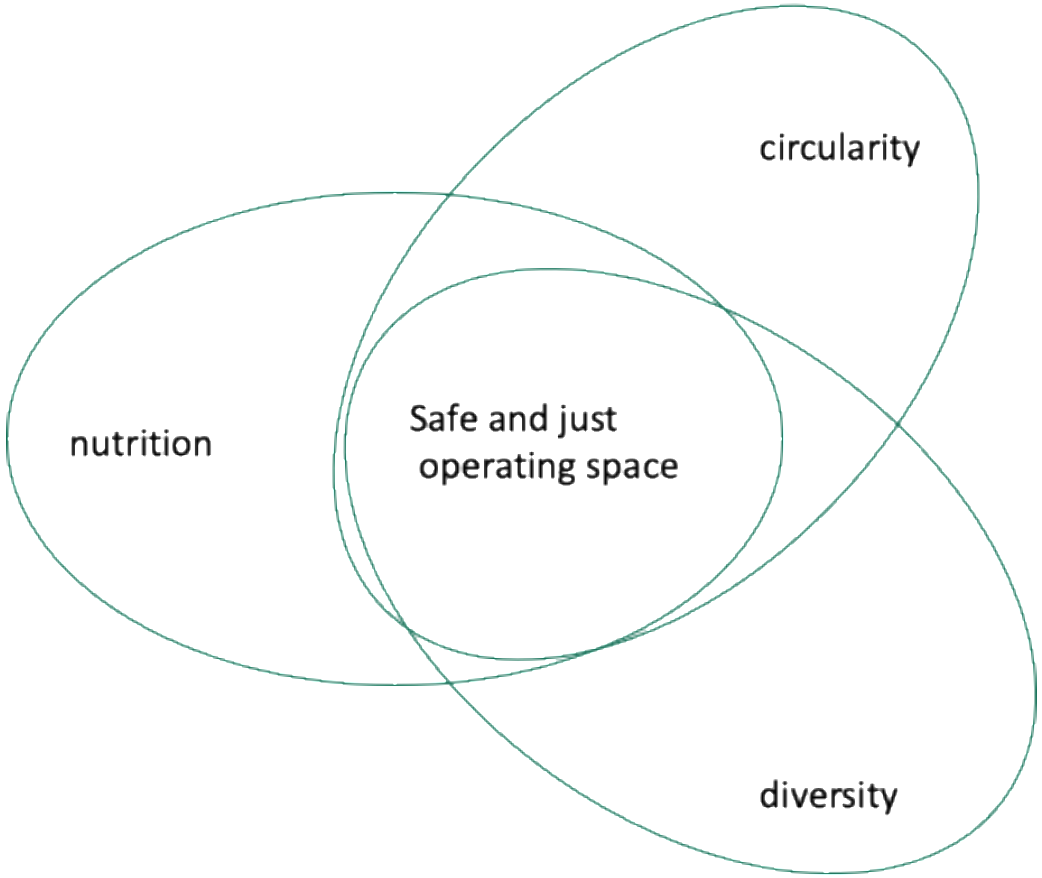
Thank you!



Notes

- Researchers are locked-in by their disciplinary boundaries. Problems crossing different disciplines could be overlooked
- Knowledge management is needed to foster integration