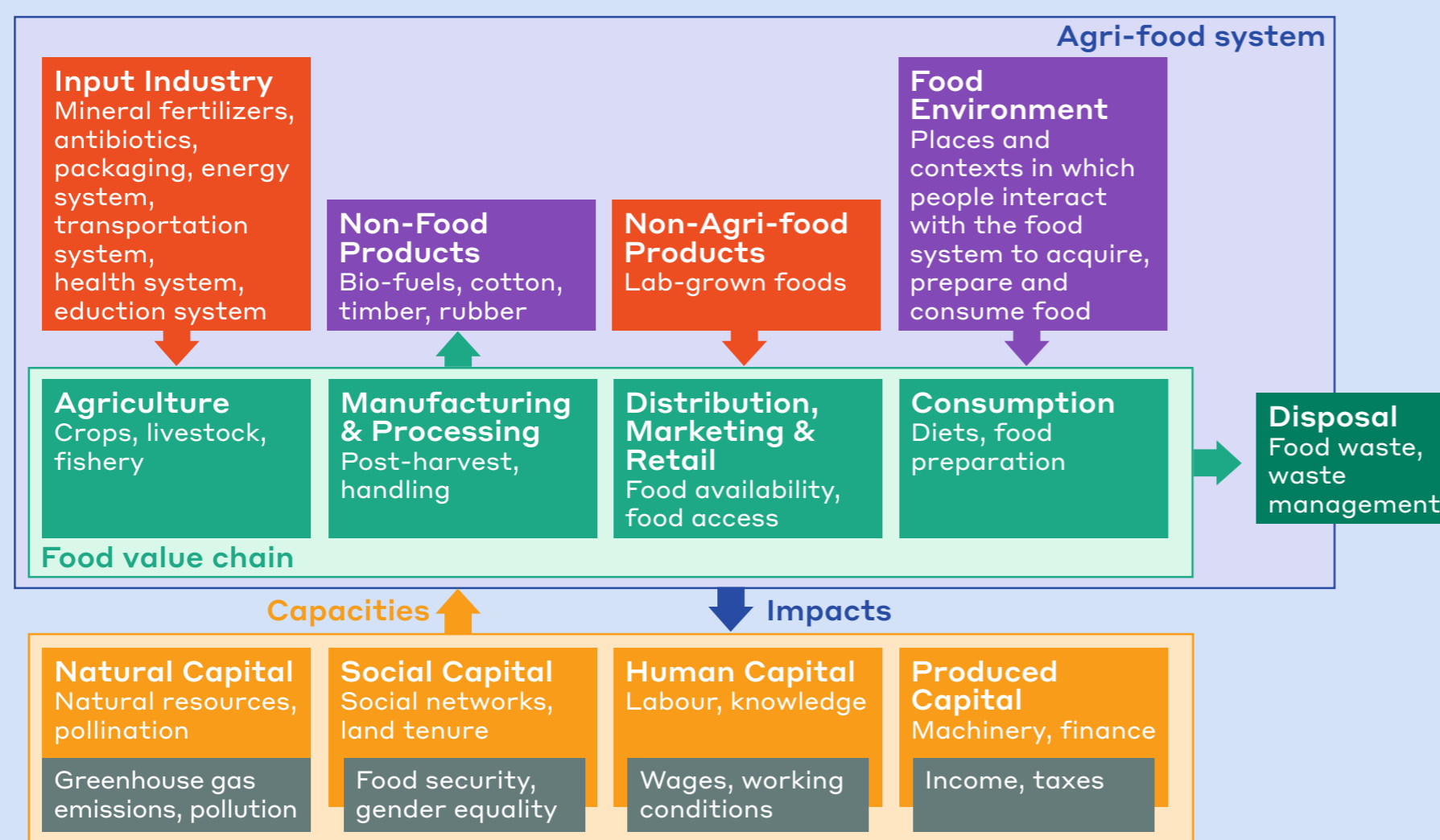


FORESEE (4C) Report Series

The Transformation of Agri-food Systems in Times of Multiple Crises

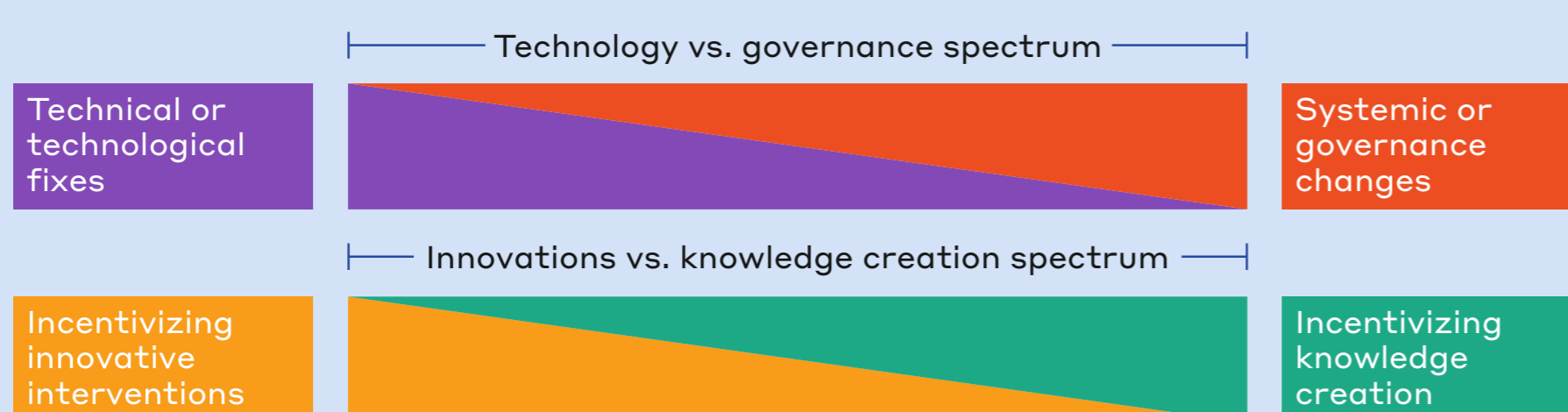
Conceptual framing of agri-food systems – the different constituents of agri-food systems and their interactions



Approaches and blind spots in the debate

The debate on food systems transformation brings together diverse actors, from civil society to corporations and governments. While all agree that incremental changes are insufficient, pathways differ: some advocate for structural changes, others for technical solutions. Approaches broadly align with goals for people, planet, and prosperity, yet challenges remain, including governance issues, polarized views, and externalized costs.

The transformation pathways proposed by different organisations are spread over a wide spectrum of approaches



Critical gaps and blindspots in the international agri-food systems transformation debate

Identified gaps & blindspots	Relevance to agri-food systems transformation
1 Governance	Empowering people and communities to engage with decisionmaking in agri-food systems
2 Corporate interests	Resolving the power imbalances , particularly, in view of the multistakeholder approach
3 Polarization	Addressing polarization by bringing everyone to the table
4 Human rights-based approach	Approaching agri-food transformation from a human rights perspective
5 Resilience	Building resilience in the agri-food systems to avoid breakdowns in the face of crises and shocks
6 Indigenous & traditional systems	Acknowledging the role of indigenous and traditional systems in the transformation
7 Accounting for externalities	True Cost Accounting (TCA) of the externalities of the agri-food systems
8 Trade dynamics	Modifying trade regulations to acknowledge food as more than a trade commodity

Challenging conditions

In times of multiple crises - referred to as the 4 Cs (climate, post-COVID, conflict, and costs) - agri-food systems face unprecedented challenges. These shocks expose vulnerabilities, threatening global food security, livelihoods, and biodiversity. Agri-food systems both contribute and are affected by the polycrisis. Urgent transformation is needed to build resilient systems that reduce dependency, mitigate climate impact, and align with agreed international goals such as the UN Sustainable Development Goals and the three Rio Conventions.

Agri-food systems are among the drivers of the 4Cs

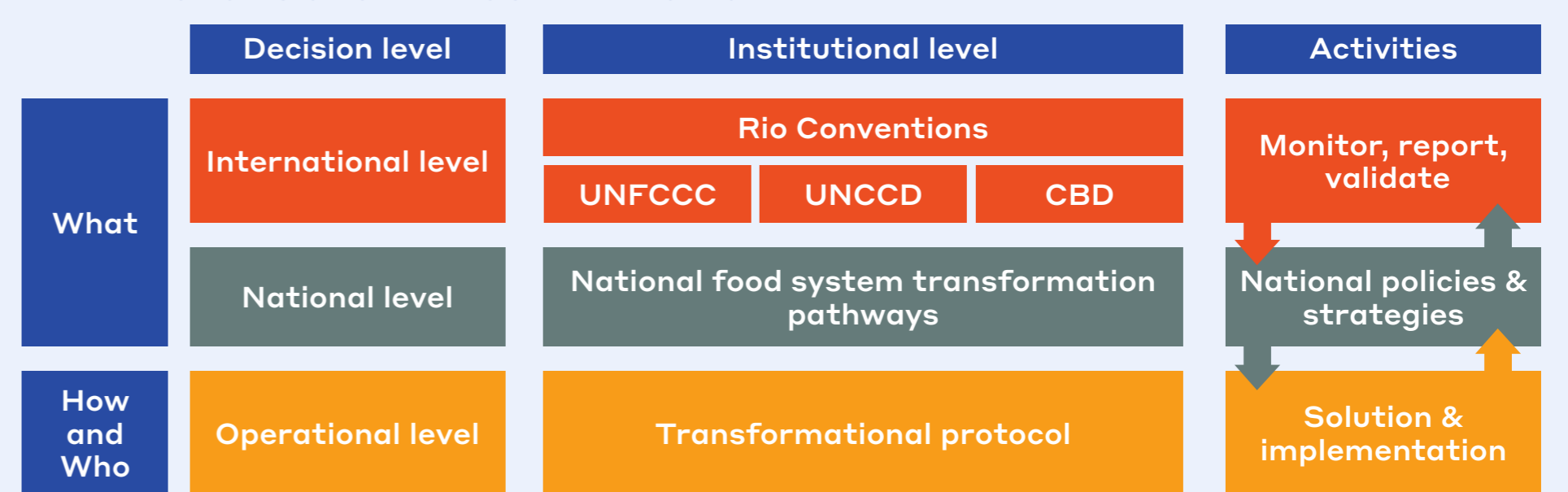
The negative impacts of current agri-food systems are further driving the crises of the 4Cs – climate, Covid-19, conflict and the cost of externalities. Responding to the 4Cs necessitates transforming agri-food systems.

4Cs	Impact	Agri-food systems
Climate	Harvest losses, breakdown of supply chains and food shortage	Agriculture
Conflict	Current agri-food systems are responsible for one third of total anthropogenic greenhouse gas emissions	Manufacturing & processing
Covid-19	Disruptions in agri-food systems and food supply chains can spur territorial conflicts and worsen existing ones	Distribution, marketing & retail
Cost of externalities	Land use change leads to destruction of wildlife habitats and increases risk of infectious disease (zoonosis)	Consumption
	Dominant practices in agri-food systems levy huge externalized costs through pollution, biodiversity loss and soil degradation	

Guiding the transformation

Successful transformation of agri-food systems requires a robust governance framework and practical guidance. TMG's proposed multi-level governance system, aligned with global goals, and a step-by-step transformation protocol provide a roadmap. This framework emphasizes participatory, transparent pathways, continuous adaptation, and rigorous monitoring, and provides essential tools to address barriers and promote inclusive, resilient food system transformation. Adapting a human rights approach is key.

Multi-level Governance Framework



A rights-based approach is key!

The Agri-food Systems Transformation Protocol with its four stages and nine steps

