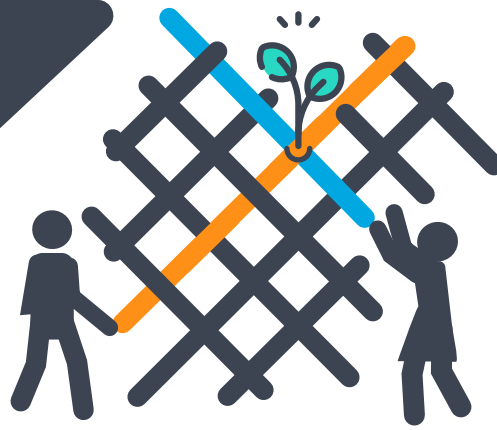




Cross-fertilisation: A Dialogue Aid for SSH and STEM Researchers



This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101069529 and from UK Research and Innovation (UKRI) under the UK government's Horizon Europe funding guarantee [grant No 10038991].

This infographic helps SSH and STEM researchers navigate interdisciplinary challenges and foster dialogue. It highlights cross-fertilisation—integrating knowledge across disciplines—using examples from our three-volume book series on climate, energy, and mobility policy.

1

Ways of...



Understanding

Ontologies shape worldviews: examples include Western science (measurable phenomena) vs. Indigenous perspectives (relational interconnections). These influence policy and problem-solving.

Knowing

Interdisciplinary collaboration integrates diverse perspectives for innovative solutions. Acknowledging positionality and valuing everyone's contributions to knowledge creation (epistemic justice) enriches knowledge production.

Working

Collaboration across disciplines requires overcoming epistemic tensions and finding shared language through continuous negotiation.

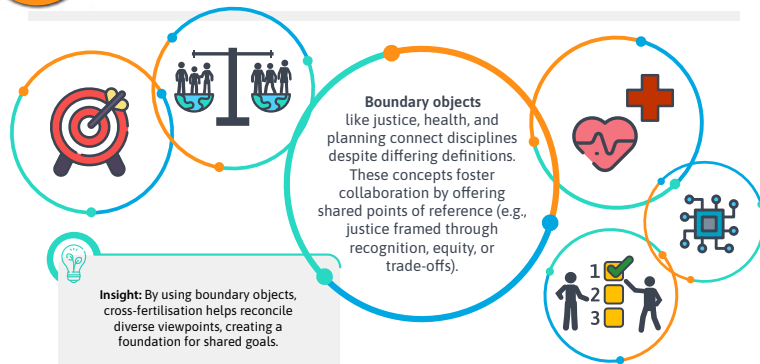
Insight: Recognizing diverse ontologies through cross-fertilisation enhances our capacity to create solutions that respect multiple worldviews.

Insight: Cross-fertilisation of knowledge allows for shared understanding across epistemic communities, leading to more comprehensive approaches to sustainability challenges.

Insight: Developing shared methodologies through cross-fertilisation bridges disciplinary divides and supports cohesive teamwork.

2

Navigating Concepts, Definitions, and Topics



3

Actors

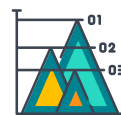


4

Evidence and Methods

Interdisciplinary research benefits from **mixed methodologies**:

QUANTITATIVE:



Identify patterns, correlations, and trends (e.g., modelling, sampling).

QUALITATIVE:



Provide contextual insights (e.g., ethnography, workshops). Collaborative methods integrate social and technical dimensions, ensuring context-driven and evidence-based solutions.

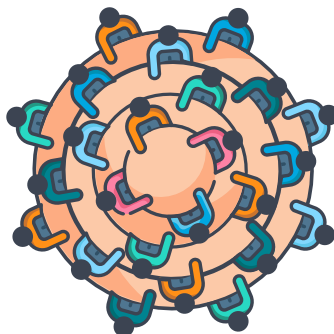
Insight: Cross-fertilisation of methods enables researchers to address complex challenges with both rigour and context-specific relevance.

Collaborative methods integrate social and technical dimensions, ensuring context-driven and evidence-based solutions.

5

Participation

Genuine participation must avoid being performative. It should **empower all actors**, fostering legitimacy and democratic engagement. Workshops and collaborative efforts bring diverse stakeholders together for meaningful deliberation and innovation.



Insight: Cross-fertilisation of ideas through participatory processes leads to more democratic and impactful outcomes.

6

Policy and Governance

Interdisciplinary approaches align local, national, and EU governance, addressing **multi-level complexities**. Engaging diverse stakeholders ensures equitable and **place-based policies**. Examples include energy justice initiatives and frameworks for sustainable development.



Insight: Cross-fertilisation of governance perspectives facilitates adaptive and inclusive policymaking that reflects diverse needs.



Watch the video by clicking this [link](#) or scanning the QR code

