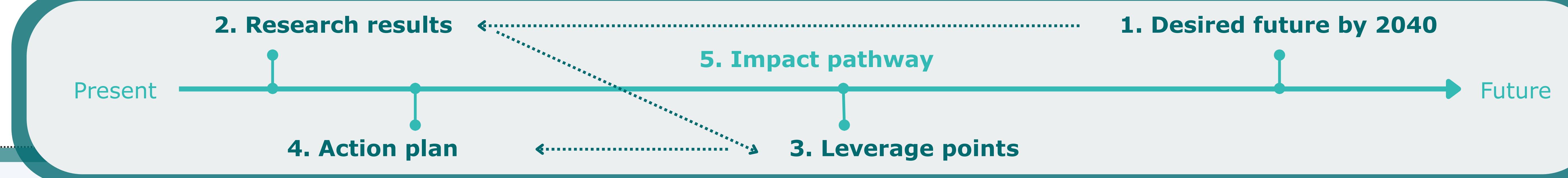


BRIDGES' THEORY OF CHANGE: FROM RESEARCH TO IMPACT

BRIDGES operates from a theory of change that maps the pathway from research to impact, identifying the social, economic, and ecological transformations it seeks to catalyse, the evidence and knowledge products needed to drive these changes, and the strategic activities and partnerships required to deliver them.

CO-CREATING A TRANSITION PATH TOWARDS A DESIRED FUTURE

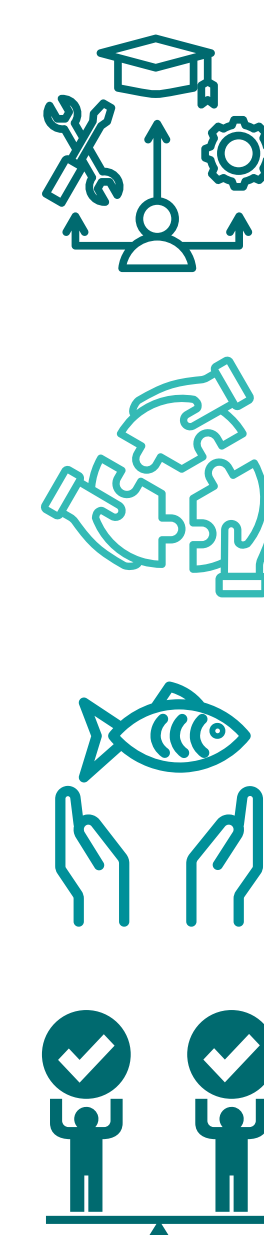
To steer the program, BRIDGES is adopting a formative research impact assessment tool inspired by ASIRPA^{Real-time} (Matt et al., 2023; Joly et al., 2019) and Transition Design (Irwin, 2018).



STEP 1 : A TRANSFORMATIVE VISION FOR 2040

- Create a collective vision of the transformations the program is aiming to contribute to in the SWIO region by 2040
- Identify the potential impacts of these transformations, and who will benefit from these changes.

THE RESULTS:



- Co-created knowledge
- Skills developed to guide management and policy decision-making
- Participatory, transparent, equitable, and adaptive decision-making
- Sustainable practices through improved links between actors in the value chain
- Economic alternatives and equitable access and distribution of marine resources.



STEP 2 : RESEARCH OUTPUTS

Map the expected research outputs against the various dimensions of changes, to align research activities with the program's expected impacts.

THE RESULTS: 6 targeted scientific projects designed to deliver tangible results and practical tools

1 Develop transdisciplinary methods and approaches:

- Develop frameworks and actions facilitating partnership-based research
- Create and animate a transdisciplinary dialogue arena
- Integrate different forms of knowledge within participatory platforms

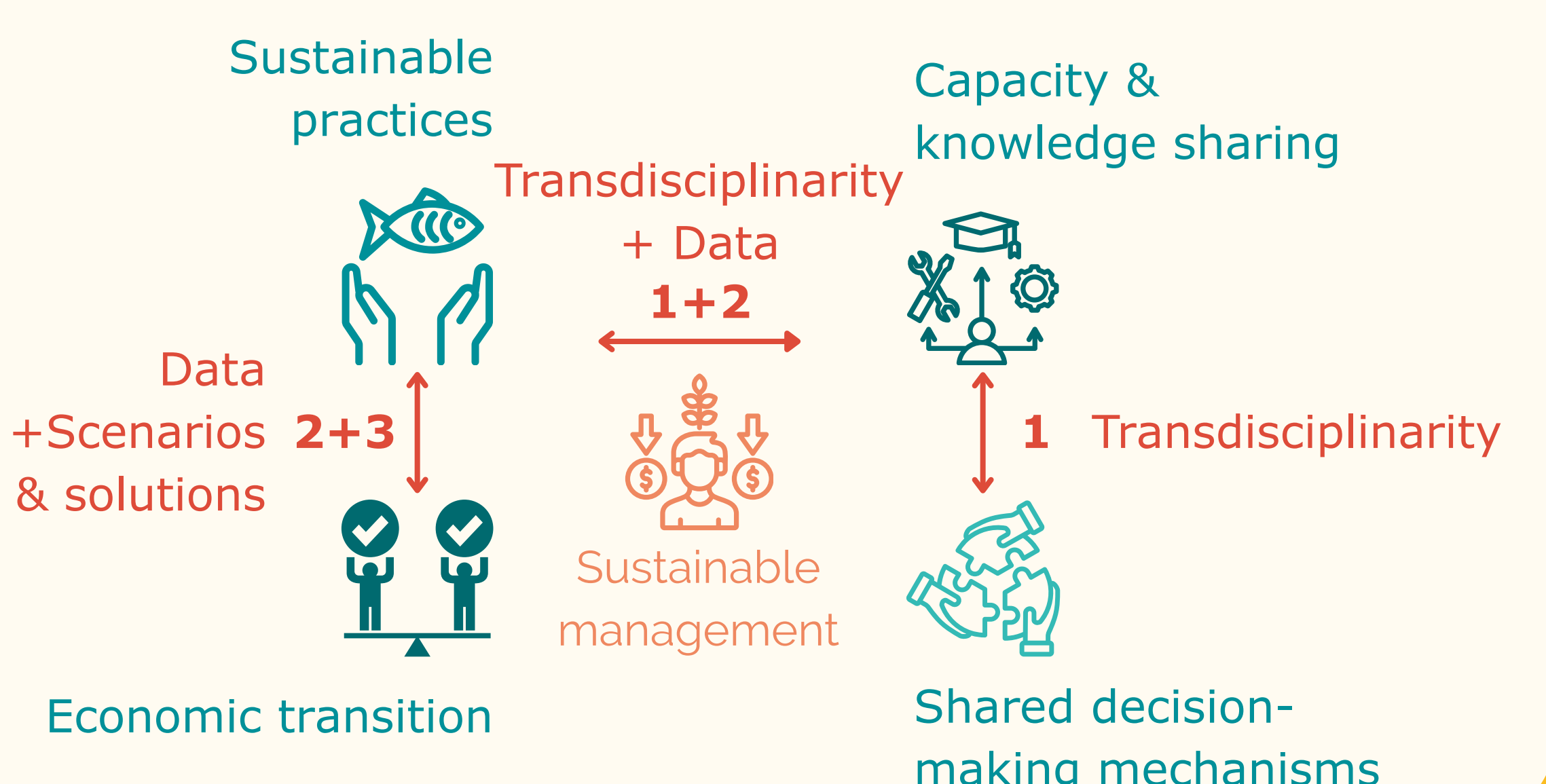
2 Collect data to monitor marine SES:

- Identify challenges and levers for SES resilience, and relevant data to monitor these
- Identify and collect existing data in interdisciplinary FAIR observatories
- Assess current monitoring systems and develop new ones
- Implement a relevant data infrastructure, accessible to scientists, managers, and decision-makers

3 Test scenarios and propose solutions:

- Identify through participatory workshops desired and resilient management measures
- Co-define future scenarios for possible SES evolution
- Develop an integrated modelling tools to test the identified management measures and scenarios

THE RESULTS' CONTRIBUTION TO THE EXPECTED TRANSFORMATIONS



STEPS 3 - 5: DESIGNING AN ANTICIPATORY IMPACT PATHWAY FROM RESEARCH OUTPUTS TO TRANSFORMATIVE IMPACTS

Construct an impact pathway, linking research outputs to transformative impacts. Identify obstacles and facilitate factors to navigate or mobilize.

THE RESULTS: Highlighting priority levers for action, actors to mobilize, and how they should be coordinated to maximize positive impacts.



Refer to the scientific activities timeline



An example of lever

Develop strong partnerships with local and regional actors and authorities to sustain impact over time

STEP 4: ITERATIONS AND PROGRAM IMPACT ASSESSMENT

Anticipating the impact of a research program is complex and uncertain. Contexts evolve, crises can shift motivation for change, and research activities may face obstacles. To address this, BRIDGES' impacts will be assessed iteratively, with the impact pathway updated every 18-24 months. The process will progressively open to the relevant stakeholders, ensuring the transformative vision is adapted to the needs of the study sites.

This work was carried out by the BRIDGES IMPACT team.

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