

## Partnering for Change: Link Research to Societal Challenges

### Intensities of interaction

#### Overview

| Intensity of interaction | Intensities | Intensities details  | Roles   | Concepts   |
|--------------------------|-------------|----------------------|---|--|
| HIGH                     | 6           | <b>CO-PRODUCTION</b> | <b>6) Co-produced (main elements)</b>               | <ul style="list-style-type: none"> <li>- Participatory transdisciplinarity</li> <li>- Integrating different thought styles</li> </ul>  |
|                          | 5           |                      | <b>5) Co-produced (some elements)</b>               |  |
|                          | 4           | <b>CONSULTATION</b>  | <b>4) Broad spectrum of perspectives considered</b> | <ul style="list-style-type: none"> <li>- Consulting transdisciplinarity</li> <li>- Knowledge brokerage</li> <li>- Knowledge exchange</li> <li>- Respecting different thought styles</li> </ul> |
|                          | 3           |                      | <b>3) Few perspectives considered</b>               |  |
|                          | 2           | <b>INFORMING</b>     | <b>2) Information with feedback possibility</b>     | <ul style="list-style-type: none"> <li>- Dissemination</li> <li>- Knowledge transfer</li> </ul>  |
| LOW                      | 1           |                      | <b>1) Information</b>                               |  |

## Interaction degrees through the three phases of transdisciplinary research

| Interaction degree | Jointly framing problems and project goals   | Jointly producing new knowledge   | Jointly exploring ways to impact  |
|--------------------|--|---|---|
| CO-PRODUCTION      | 6 Problem and goal co-framed by scientists and stakeholders; main elements of the proposal are co-designed   | Co-production of knowledge including deliberation and integration of all relevant stakeholder perspectives regarding main project elements  | Co-producing main project outcomes and jointly constructing follow-up structures/ actions, and engaging in societal learning processes                    |
|                    | 5 Problem and (overall) goal co-framed by scientists and stakeholders; some elements of the proposal are co-designed   | Co-production of knowledge including deliberation and integration of all relevant stakeholder perspectives regarding some project elements  | Co-producing some project outcomes and/ or jointly constructing follow-up structures/ actions, and/or engaging in societal-learning processes             |
| CONSULTATION       | 4 Problem and goal framed by scientists; broad consultation of stakeholders leading to minor thematic adjustments of the proposal dealing with different stakeholders' perspectives and priorities | Knowledge production by scientists, taking into account various stakeholders' knowledge and perspectives. A wide range of stakeholders are consulted, but the knowledge is structured according to the scientists' concepts | A wide range of stakeholders is consulted to discuss research results. The stakeholders' perspectives influence final interpretations and recommendations |
|                    | 3 Problem and goal framed by scientists; consultation of some stakeholders leading to minor thematic adjustments of the proposal   | Knowledge production by scientists; some key stakeholders are informed and consulted for fine-tuning  | Stakeholders are informed and final results and recommendations are jointly discussed   |
| INFORMING          | 2 Problem and goal framed by scientists; a few stakeholders are informed about the project and feedback is encouraged. Stakeholder interactions influence logistical issues, but not project goals | Knowledge production by scientists; some stakeholders are informed and given an opportunity to provide feedback, e.g. in individual meetings, but they have hardly any influence on knowledge production                    | Stakeholders are informed about final results by means of articles and at meetings that offer a chance to clarify questions                               |
|                    | 1 Problem and goal framed by scientists; a few stakeholders are informed about the project. Stakeholder interactions do not influence the proposal   | Knowledge production by scientists; some stakeholders are informed about the status of the project  | Stakeholders are informed about final results by means of articles in professional journals or newspapers   |