

ipcc

INTERGOVERNMENTAL PANEL ON climate change



# Local knowledge and practitioner knowledge

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ASSESSMENT CYCLE

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# Current IPCC practice and language (reminder)

- **Local knowledge:** "The understandings and skills developed by individuals and populations, specific to a places, that inform decision-making about fundamental aspects of life, from day-to-day activities to longer-term actions. This knowledge is a key resource for social-ecological system management. A mix of knowledge types, including personal experience, practice, tradition and scientific knowledge can inform local knowledge." (IPCC, 2022)
- **Practitioner knowledge:** no formal definition, "Ex-post evaluations of what works complement modeled evidence with empirical, real-world experiences in climate policy." (IPCC, 2025)

# Practice in peer bodies

- US National Climate Assessment:
  - **IK:** a body of observations, oral and written knowledge, innovations, practices, and beliefs developed by Tribes and Indigenous Peoples through interaction and experience with the environment
  - **Other Expert and Local Knowledge:** Other sources of knowledge from local experts (e.g., multigeneration farmers) or people who have direct, lived experience of the subject being described; this information might not be in written form, nor published, or documented beyond personal communication.
  - **PK:** no definition
- IPBES:
  - **ILK:** as presented by Peter
  - **PK:** no definition

# Local knowledge examples and involvement in NCA5

- Reference to local knowledge **most common in regional chapters** (e.g., knowledge on timber harvesting, commercial fisheries, etc).
- Example of a **Key Message**: “To address the growing risk, effective climate-resilient actions include implementing nature-based solutions; valuing Indigenous, traditional and local knowledges; and infusing climate change solutions into community planning (medium confidence)” KM 26.2
- Box on **case study of local knowledge** in fisheries in Palau (30.3)
- Use of **non-peer reviewed literature** (e.g., Community of Kotlik et al., 2020, Looking Forward, Looking Back: Building Resilience Today Community Report. Aleutian Pribilof Islands Association).

# Practitioner knowledge and involvement in NCA5

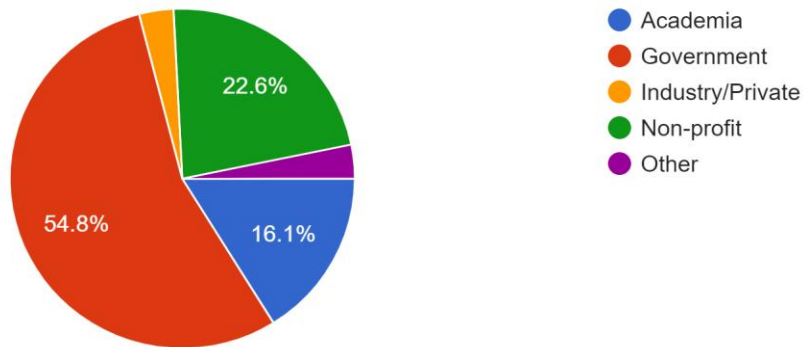
- Specific chapters encouraged to **seek out practitioners as authors** (e.g., Ch 12 Built environment, urban systems, and cities, Ch 15 Human health, Ch 17 International interests, Ch 31 Adaptation, all regional chapters) and **technical contributors**
- Use of **peer-reviewed literature** relating to practitioners (e.g. surveys of practitioner knowledge)
- Use of **non-peer reviewed literature** (e.g., *Clancy et al. 2022 The Building Resilient Infrastructure and Communities Mitigation Grant Program*)
- **Review comments**: Author teams held 2 sets of webinars to encourage comments from practitioners during expert review periods

# Public engagement during reviews of NCA5

- To ensure that the assessment is informed by and useful to stakeholders, **engagement workshops** were held to provide an opportunity to exchange ideas with the author teams on chapter key topics, share resources, and give feedback.
- Each chapter (32 total) held webinars at ZOD and at 3OD

Generally, which sector do you work in?

62 responses



Responses from attendees of Ecosystems chapter webinar on ZOD, 2022

# Example of a practitioner knowledge-heavy figure for Ecosystems chapter

## Adaptation and Transformation Planning Frameworks

a) Corals and Climate Adaptation Planning cycle



b) Resist–Accept–Direct framework

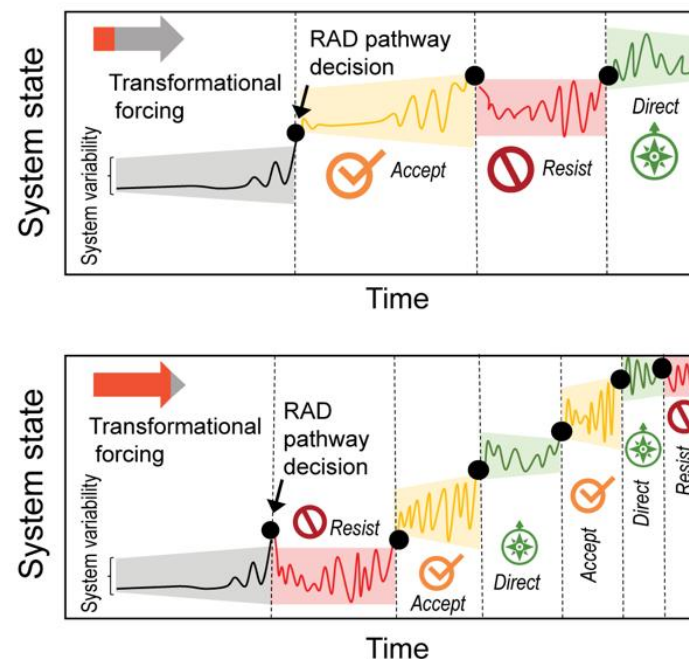
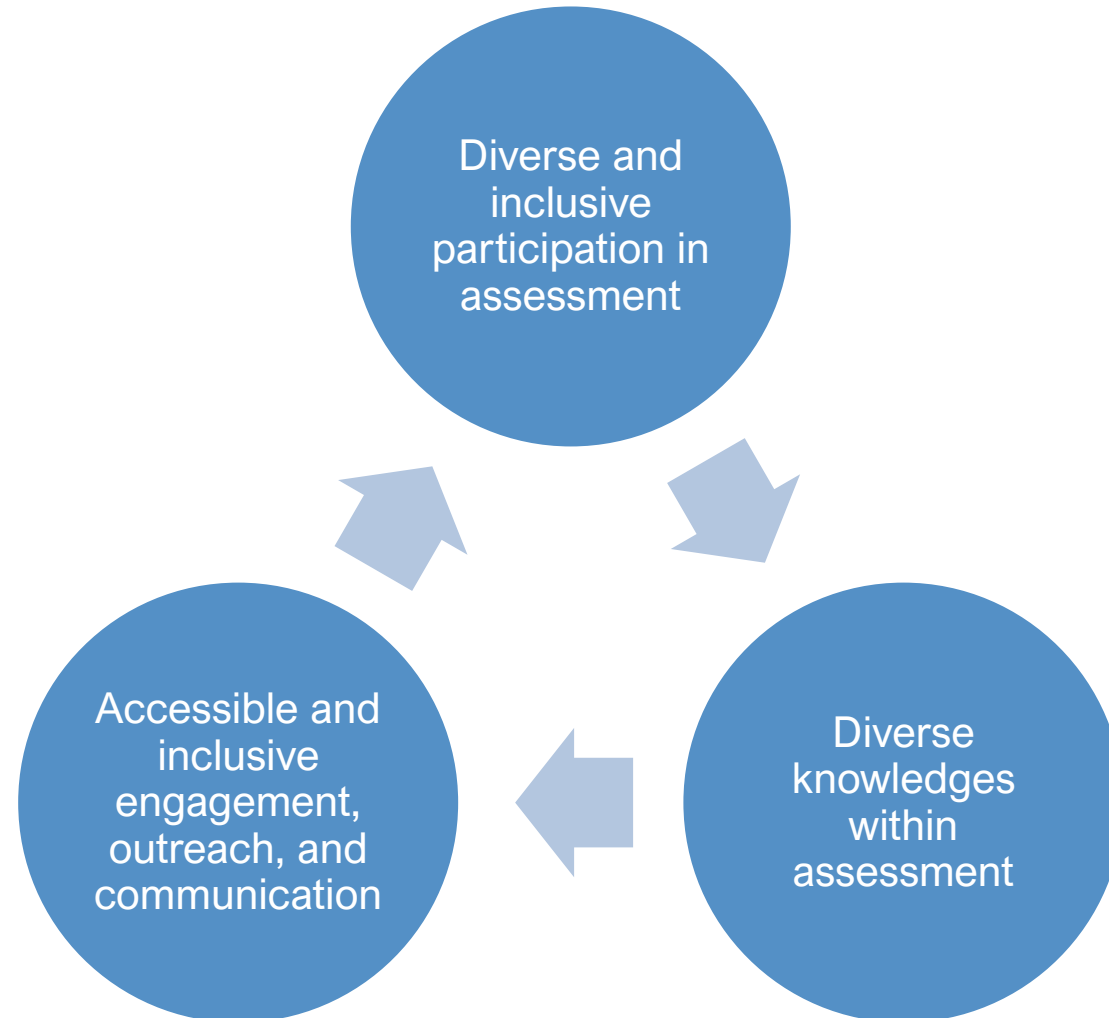


Figure 8.9. Decision frameworks can help plan for the potential transformation of ecosystems.

# Lessons from US National Climate Assessment on GDEI



# Possible outputs from this workshop

- **Guidance on IK, LK and PK** to author teams, developed in conjunction with self-organized Knowledge Systems and Indigenous Scholars Expert group
- Guidance on **use of sources** (e.g., US Information Quality Act guidance) and clear data principles (CARE and FAIR) for TG-Data
- Internal **support for authors** engaging with IK, LK and PK, including TSU support, process to review chapters, chapter designees, translation, etc
- Clarity on **xWG or xChapter boxes** for AR7 on these topics
- Understanding on **what engagement processes** are possible within IPCC (e.g., ILK dialogues like IPBES, or public engagement like NCA) and fundraising
- **Communication strategies** for key knowledge audiences during and post-assessment