

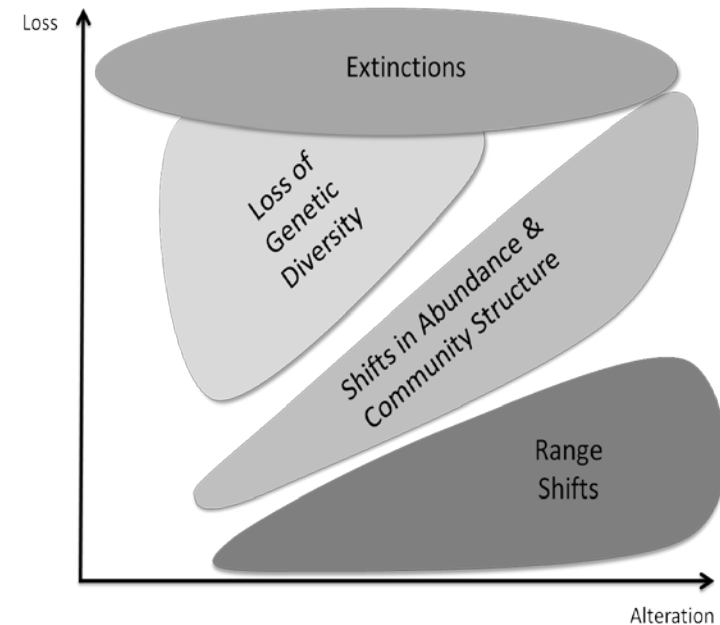
A framework for monitoring biodiversity inside and outside protected areas

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Reaching conservation goals

- Measuring biodiversity change is essential but difficult
- Not all change is bad
- Information on all dimensions of biodiversity needed
- Global networks and integration needed



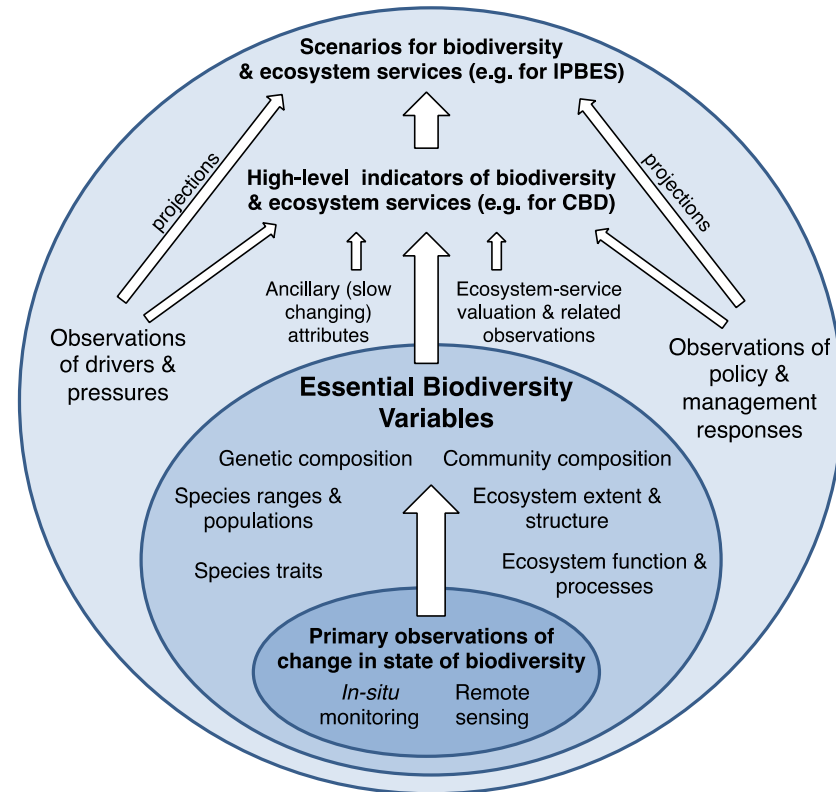
Pereira, H.M. et al (2012) *Annual Review of the Environment and Resources*.

Group on Earth Biodiversity Observation Network (GEOBON)

- A global, scientifically robust framework for observing biodiversity change
- Gathering and delivery of information globally
- Long-term continuity of data supply
- Innovative and products based on the integration of relevant data sets including a variety of in-situ and remotely derived data

Essential Biodiversity Variables

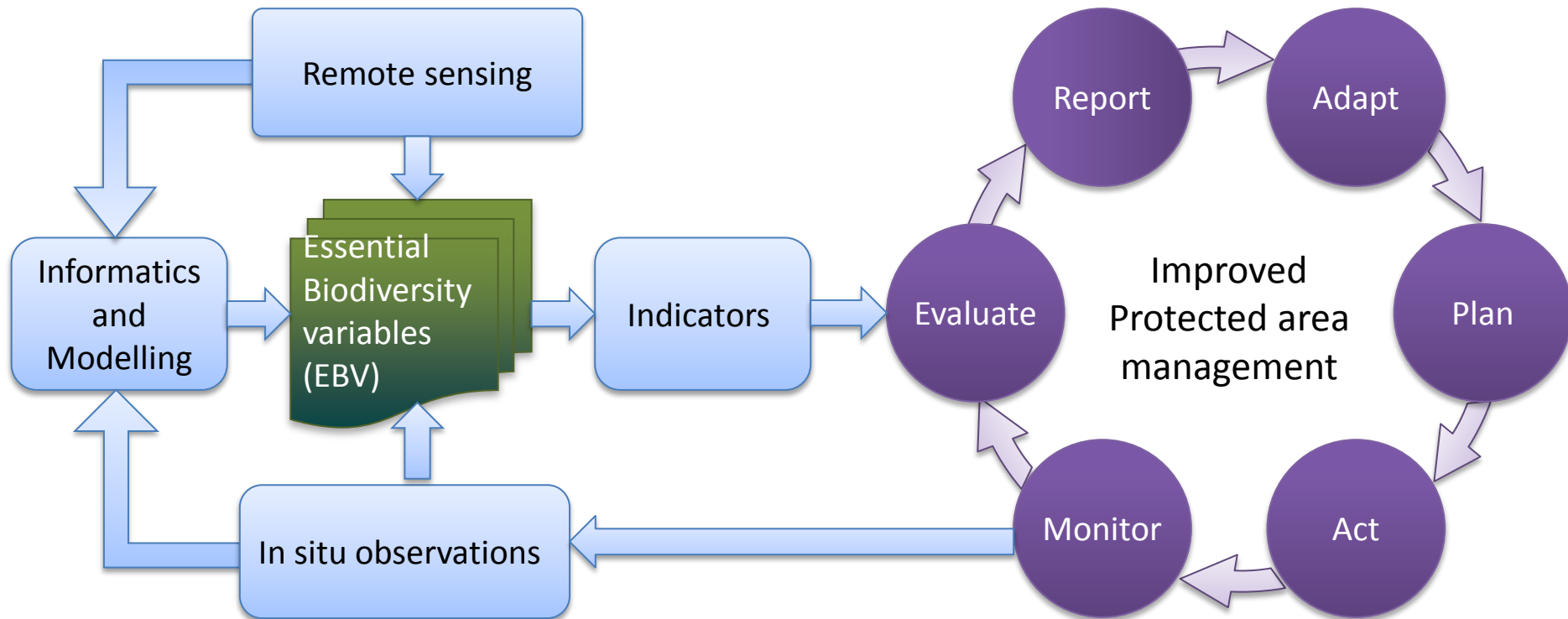
- Biodiversity observation systems not adequate for measuring progress towards Aichi targets
- Hundreds of indicators used but only a fraction are based on evidence
- Similar challenges for tracking climate change led to the development of Essential Biodiversity Variables.



Relevance to finer spatial scales

- Application of the EBV framework at regional, national and sub-national scales (workshop in Germany, June 2014).
- NSW Australia, ASEAN, Europe, South Africa, Colombia, Turkey, South Korea and Madagascar.
- Major differences among jurisdictions in the focus of biodiversity monitoring in relation to protected areas.
- Common challenges in coordination of monitoring across the regions, long term data collection, interoperability and data sharing.

Links to protected area management



Aims and structure of monitoring sessions

1. Outlook on monitoring status and trends of protected areas across the world by 2020 and beyond.
2. Key topics: In-situ monitoring; remote sensing; Informatics, indicators, adaptive monitoring, modelling
3. Applications: Practice in monitoring, integration and reporting. Introductions and interactive presentations.
4. Panel discussion: linking concepts and practices
5. Wrap up: key messages and recommendations for Promise of Sydney.