

Existing ethical guidelines for Environmental or

Conservation Research

 Ethical guidelines for environmental and conservation research are not yet common, only publicly available notable example is Australian ASTEC guidelines (1998)

- There is no equivalent theoretical framework for Bioethics in environmental research.
- Do no significant harm EU Policy



Photo: Hermanni Kaartokallio



What are the concerns?

(after McDonald & Simon 2023)

- Focus on research impacts is misplaced because most researchers already adopt high standards in research design and implementation.
- Research fieldwork has far less impact than natural disturbances or other human activities in environmentally sensitive areas.
- Cost and time used in pre-evaluation is feared to be excessive.
- With right approach and implementation the ethics consideration can also provide benefits for research.



Photo: Heidi Arponen



Why are Ethical guidelines necessary?

(after McDonald & Simon 2023)

- 1. Research is needed by design to build public confidence in the efficacy and durability of conservation and climate interventions.
- 2. Do current practices in research ethics oversight adequately reflect a precautionary approach?
- 3. Early assessment of the ethical implications decrease the risk of lock-in of one course of action/ technology.
- 4. Evaluating the environmental risks and benefits has potential to increase early input from stakeholders.



Photo: Ville Savilampi



Principles for Environmental Research - Conducting Research

- Precautionary Principle as Key in Environmental Research
 - Minimization of harm to species/communities/habitats (some existing permit processes)
 - Careful planning and implementation (especially in sensitive environments)
 - Conservation goals not undermined
 - Transfer of biological material between habitats



Photo: Saara Aholainen/HS



Principles for Environmental Research - Conducting Research

- Direct and Indirect Impacts (e.g., measurements/experimental setups)
 - Direct and indirect impacts
 - Use and development of research infrastructure
 - Unforeseen impacts responses can be complex
 - Expected impacts of research results on various sectors of society and in relation to environmental objectives, conflicts between goals?

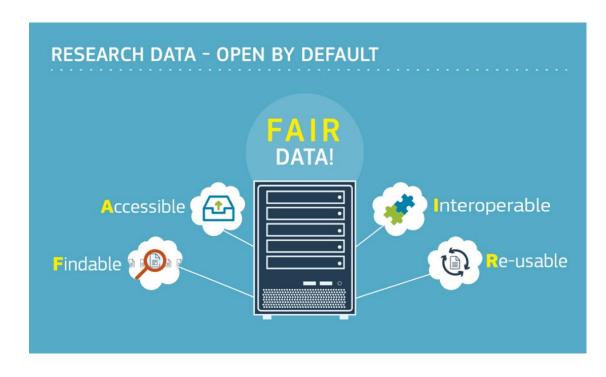


Photo: Syke



Principles for Environmental Research - Utilizing Existing Data

- Can results be achieved without environmental intervention or with less intervention (e.g., modeling, data resources,
- Is similar data already available from other sources?
- Maximizing the efficient use of existing research data (FAIR principles), literature search, and following good scientific practices.
- Following FAIR principles in your own research to maximize availability of open data.



Picture: https://www.openaire.eu/how-to-make-your-data-fair



Principles for Environmental Research - Openness, Transparency, and Engagement

- Principles for environmental research transparency in relation to people and communities affected by the research
 - Engagement in the planning phase: involving local and indigenous communities during the planning phase, throughout the research process, and considering the impact of results on them.
 - Co-design: especially crucial when conducting research in indigenous peoples' areas.
 - Publicity planning and management: strategically managing communication and public relations.
 - Openness of results: determining when restricting access to information is justified.

Thank you for attention!

