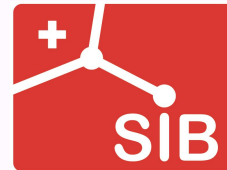


# IPBES Data Policy: (past), present, future and AI

Implications for stakeholders

Dr. Rainer M Krug, IPBES Forum 2026, Berlin



Swiss Institute of  
Bioinformatics

- Data and Knowledge Management Policy
  - What it is and why it is relevant for Stakeholders
- AI in IPBES
  - What is it when we say AI
  - Why is this discussion important
  - AI Code of Practise
  - Implications for Stakeholders
- Perspectives

# Knowledge and Knowledge Management Policy

## What is it

- Version 2.2 Welcomed at IPBES 12 in February
- Can be found on Zenodo <https://doi.org/10.5281/zenodo.18705918>
- Based on FAIR and CARE Principles
  - **F**indable - **A**ccessible - **I**nteroperable - **R**eusable
  - **C**ollective benefit - **A**uthority of control - **R**esponsibility - **E**thics
- ILK woven into policy
- Includes Responsible and ethical use of advances in data technologies.

# Knowledge and Knowledge Management Policy

## Why is it relevant for Stakeholders

- Data and workflows are openly available
- Data Management Reports (DMRs) detail reproducibly workflows including data or at least links to data
- Figures have DOI pointing to DMRs
- Transparency
- Reusability

# AI in IPBES

## What is AI in context of IPBES?

- Generative AI
  - LLMs
  - Image generators
  - Etc.
- **Not**
  - “machine learning”, statistical methods
  - developing and training own AI systems

# AI in IPBES

## Why is this discussion important

- Problems of AI
  - Training Data
  - Hallucinations
  - Bias
- Possibilities of AI
  - Handling huge amounts of data
  - Consistency (AI versus multiple researchers)
  - Translation and Summarisation

# AI in IPBES

## AI Code of Practise

- Version 1.0 Welcomed Welcomed at IPBES 12 in February
- <https://doi.org/10.5281/zenodo.17628864>

## Appendix II

### The IPBES Code of Practice on the Use of Artificial Intelligence, Tailored to the Needs of Assessments

Version: 1.0<sup>6</sup>  
February 2026



- For ethical and responsible use of AI
- Tailored to the needs of the IPBES assessments
- Based on comprehensive review
- To translate broad concepts into practical guidance
- Corresponds to activities within the assessment process where experts might use AI
- Practical tips and use cases, possible applications, associated risks and limitations

## Appendix II

### The IPBES Code of Practice on the Use of Artificial Intelligence, Tailored to the Needs of Assessments

Version: 1.0<sup>6</sup>  
February 2026



#### General principles:

- Responsibility and accountability
- Transparency and disclosure
- Bias awareness and mitigation
- Scientific integrity and reproducibility
- Respect for data governance and intellectual property
- Alignment with United Nations core values
- Guided by the IPBES data and knowledge management policy
- Confidentiality

## Appendix II

### The IPBES Code of Practice on the Use of Artificial Intelligence, Tailored to the Needs of Assessments

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#### Specific use cases and their codes of practice:

- Editorial usage
- Coding usage
- Translational usage
- Literature search
- Literature and data analysis
- Figures

#### Implementation and monitoring

# AI in IPBES

## Implications for Stakeholders

- **AI will have no negative impact on quality of IPBES products**
- Data likely more readily available for AI usage
- DMRs detailing AI usage - can be used as examples

# Perspectives

## Possible Areas of AI Use in IPBES

- Literature screening and analysis
- Creation of (Dynamic) Visualisations (Data driven as well as Conceptual)
- Verification of drafts and interlinks
- Alternative delivery approaches of assessments (Chatbots ([ClimateQA](#)), linking of Assessments)
- UN Language and format requirements
- Internal Document search and interlinkage

# Perspectives

## Collection of thoughts

- Improved usability and reliability of AI for certain tasks
- But: “massive amounts of data – often derived from human behavior – as a substitute for intelligence [...] never work]” (Gary Marcus, <https://garymarcus.substack.com/p/breaking-news-scale-is-all-you-need>)
- Increasing usage of AIs
- Gary Marcus “Generally, the closer these systems are to appearing right, the more dangerous they become because people become increasingly at ease just trusting them [when they shouldn’t]”  
(Gary Marcus, <https://garymarcus.substack.com/p/about-that-matt-shumer-post-that>)