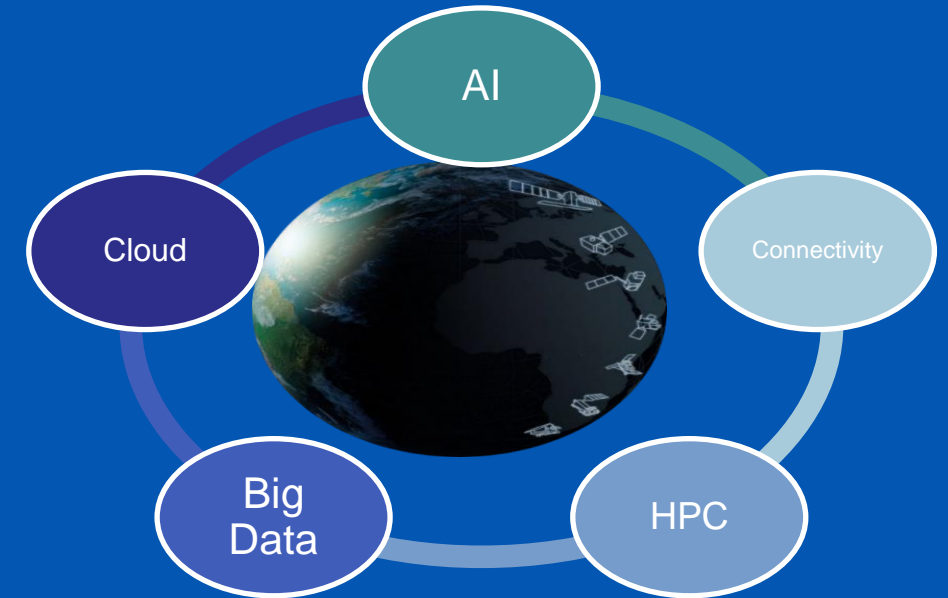


Limits of Open Science for Evidence-Based Policy-Making



*IIASA Regional Conference – Systems Analysis in Eurasia
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EU Support for Open Access

- All H2020 projects are required that any peer-reviewed article is openly accessible, free of charge, + provision on (raw) data underlying publication
- 2012 Recommendation (2018 rev.: FAIR data, TDM, EOSC, ...):
- To support transition, 2016 launch of European Open Science Cloud (EOSC)
- MS implementation ~ EU-projects



History of Research Dissemination

- < Newton: Pay a publisher to print your findings
- Research results become strategic goods
- Formal process: patents, specific journals, copyright, peer review...
- Purchase (“open”) knowledge via journals
- Info overflow: *L. Szilard’s semi-joke (1940s): 100 vouchers for each scientist*
- Self-archiving (scientists) → Internet (“OA movement” + civil society)
- < Newton: Producer pays not consumer → ↑ Readers + ↑ Fora → ↓ **Quality (?)**

Limits of Open Science

- Quality of science & vested interests
- **Limits to transparency for science-based policy-making:**
 - **Privacy, security**
 - Amelioration by technology?
 - **Effort**
 - Amelioration by technology?
 - **Epistemological limitations**
 - Responsibility of science4policy experts! ... and ??

Thank you

More on our future efforts to highlight deep uncertainties in (EU Green Deal related) models / data in order to make predictions more actionable for non-experts:

<https://ec.europa.eu/digital-single-market/en/destination-earth-destine>

