

Earth and Environmental vocabularies and ontologies today: how are they managed? How are they used by scientists?

Session 320 at Virtual SciDataCon 2021

1. For researchers, providing awareness of the types of vocabularies, and why they are valuable (level of semantics, mapping to other vocabularies). (Marie Angélique Laporte)
2. Researchers should seek out repositories that provide robust vocabulary support. They should contact the repository early to fully understand how to utilize the vocabulary (s). (Siddeswara Guru, Anne-Sophie Archambeau, Yvan le Bras)
3. Ontologies / Vocabularies are powerful tools for researchers to connect their work in relationships that are more precise. (Yvan le Bra)

4. For researchers, provide vocabularies and supporting resources in Arabic, French, English, Portuguese (Wim Hugo)
5. Promote to researchers (through existing communities and channels) awareness/information on essential variables (Wim Hugo)
6. Informatics/Semantics Community should continue to work on making resources for researchers more FAIR. (Yann Le Franc)
7. Researchers will need some basic understanding of how an ontology is constructed to give context and how to leverage usage. (Barbara Magagna)



Inter-University Research Institute Corporation
National Institutes for the Humanities
**Research Institute for
Humanity and Nature**



**TOKYO
METROPOLITAN
UNIVERSITY**



The Nature
Conservancy



**Institut de Recherche
pour le Développement**
FRANCE



DataCite
FIND, ACCESS, AND REUSE DATA



ORCID

AGU ADVANCING
EARTH AND
SPACE SCIENCE

**BELMONT
FORUM**



AGENCE NATIONALE DE LA RECHERCHE
ANR



CESAB
CENTRE FOR THE SYNTHESIS AND ANALYSIS
OF BIODIVERSITY

FAPESP
FUNDAÇÃO DE AMPARO À PESQUISA
DO ESTADO DE SÃO PAULO



**THE UNIVERSITY
OF QUEENSLAND**
AUSTRALIA