



Building Foundation for a World of Open Data and Open Science



CODATA's mission and operation

- The mission of CODATA is to "Connect data and people to advance science and improve our world".
- As the 'Committee on Data of the International Science Council (ISC)', CODATA supports the ISC's mission of 'advancing science as a global public good' by promoting Open Science and FAIR data. CODATA convenes a global expert community and provides a forum for international consensus building and agreements around a range of data science and data policy issues, from the fundamental physical constants to cross-domain data specifications.
- CODATA's membership includes national data committees, scientific academies, International Scientific Unions and other organisations.







Data Policies









- CODATA Data Policy Committee <u>http://bit.ly/data-policy-committee;</u>
- One major policy report per year.
- 20-Year Review of GBIF published in May 2020
- Preparing Independent Review of CAS Earth data policy and practices

Data Science





- Data Science Journal: https://datascience.codata.org/
- International Data Week and CODATA Conference series.
- Task Groups and Working Groups.

Data Skills





International Centre for Theoretical Physics







- CODATA-RDA School of Research Data Science.
- CODATA China, PASTD and other training activities.
- #terms4FAIRskills and FAIRsFAIR Competence Centres.

Data to Improve our World







- Decadal Programme: Making Data Work for Cross Domain Grand Challenges
- Promoting Good Data Practices
- Regional Open Science Platforms





CODATA National Committees

- Engage: point of contact with CODATA;
- Influence: contribute to CODATA strategy;
- Coordinate: forum by which national stakeholders may advance data agenda in step with international developments;
- Collaborate: propose Task Groups, host or participate in international workshop series, engage with Early Career Data Professionals Group;
- Partner: undertake activities with other National Committees, bilaterally or in groups.
- Data Together: where possible and appropriate engage with the other Data Together Organisations
- New Member: New Zealand; other discussions underway with potential national members.
- Guidance for National Committees: https://codata.org/membership/national-members/







ISC, Institutional and Partner Members

- ISC Members: International Scientific Unions, Associations and other bodies related to ISC.
 - https://codata.org/membership/international-science-councilbodies/
 - Improved engagement with Unions and Associations: DRUM, DDI-CDI and Decadal Programme.
- Institutional Members: Commercial and NFP organisations.
 - Members and Benefits Documents: https://codata.org/membership/institutional-members/
- Partner Organisations: Scientific and data organisations with which it is important to partner (e.g. Data Together Organisations, DDI Alliance, IIASA).
 - Members and Template MoUs:
 https://codata.org/membership/partner-organisations/



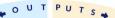






POLICY

DOCUMENTS





CONSENSUS **SPECIFICATIONS &** RECOMMENDATIONS

TRANSLATION TO **ISC & OTHER ORGANISATIONS**

ENGAGEMENT CORE M ISSION WITH MEMBERS

STRATEGIC **PROGRAMMES**

TASK & WORKING **GROUPS AND** COMMITTEES

WORKING /

INTEREST

GROUPS

INTERNATIONAL **CORE SERVICES**

IMPLEMENTATION **NETWORKS GUIDELINES**

AGREEMENTS

FOR FAIR DATA

IMPLEMENTATIONS

& JOINT

FAIR CONVERGENCE IMPLEMENTATION MATRIX **NETWORKS**

> **METADATA 4MACHINES** WORKSHOPS

> > MEETING **FAIR DIGITAL** REPORTS

FRAMEWORK CONSENSUS BUILDING

GLOBAL NETWORK OF DATA **PROFESSIONALS**

EXPERT

REPORTS

SET INTERNATIONAL **RESEARCH DATA & PROTOCOL AGREEMENTS & STANDARDS**

GUIDELINES & RECOMMENDATIONS

BEST PRACTICES

BIRDS OF A FEATHER (BOF) **GROUPS**

TASK FORCES

ICT TECHNICAL **SPECIFICATIONS**

STANDARDS

SOFTWARE

CODE

LONG-TERM STEWARDSHIP OF & **OPEN ACCESS TO TRUSTWORTHY** DATA & DATA SERVICES

WORKING / INTEREST GROUPS

POLICY

STANDARDS -CoreTrustSeal

MEETINGS,

TRAININGS &

WORKSHOPS

PROMOTING TRUST

SCHOLIX FRAMEWORK

TECHNICAL SUPPORT FOR MEMBER DATA REPOSITORIES

SUPPORT / AWARD FOR EARLY CAREER RESEARCHERS

GLOBAL NETWORKS OF DATA MANAGERS & TRUSTED REPOSITORIES

COMMUNICATIONS (REPORTS/BLOGS/WEB INARS)





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Thank you for your attention

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