

Advancing netCDF-CF

ESIP Summer Mtg

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Recent netCDF-CF Activities and Drivers

- EarthCube netCDF-CF project
- 2018 netCDF-CF Workshop in Reading, UK
- CMIP6

EC netCDF-CF Project and 2018 Workshop

Activities and Discussions

- Extensions to CF
 - Geometries
 - Satellite swath
 - UGRID/SGRID
 - CF-Radial
 - Linked Data with netCDF
 - CF-Groups

 - Uncertainty
 - Climate indices, derived statistics

 - String (nc-3 supports char*, nc-4 also supports String)
 - External Variables
- CF Process / Governance
- CF Outreach & Sustainability

EC netCDF-CF Project and 2018 Workshop

Activities and Discussions

- Extensions to CF
- CF Process / Governance
 - CF Data Model
 - CF DOIs
 - External Conventions

 - Use of GitHub for CF
- CF Outreach & Sustainability

EC netCDF-CF Project and 2018 Workshop

Activities and Discussions

- Extensions to CF
- CF Process / Governance
- CF Outreach & Sustainability
 - Outreach: ESIP, OGC, etc.
 - Regular meetings
 - Onboarding new users
 - Need How To documents

Discussions of note - Decisions from Workshop

CF DOIs

- Will mint one DOI for CF to support citation of CF

String support

- Will work to clarify language in CF document and add support for the netCDF-4 `String` type

GitHub Issues and PRs

- Will move tracking of changes and additions to the CF document to GitHub Issues and PRs. Specific changes to CF rules being developed.
- How to merge and release will be a separate discussion

External Conventions

- UGRID / SGRID -- Will work with community to fit into governance
- CF-Radial -- Still unclear how much want to fit into CF