Antonio S. Cofiño 2020 CF Workshop 9-11 June 2020



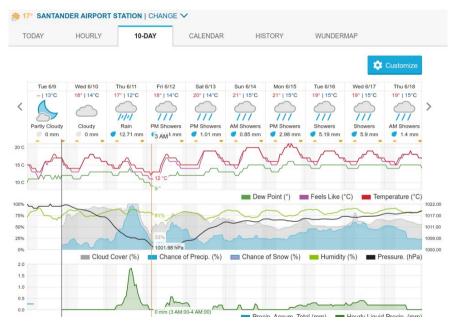
The Venue: Santander, Spain Thanks COVID-19!



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The weather was not that good.



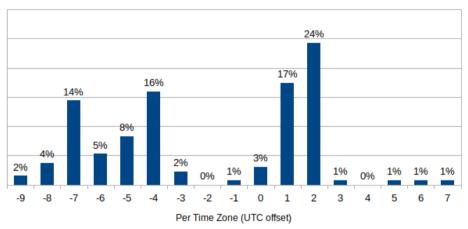


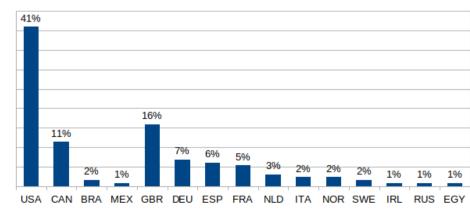
source: @eltomavistas by Eva Miguélez

The good: Registration

- 132 Registrants
- 15 Time Zones
 - 3-5 possible "out-liars"
- 15 Countries
 - 71 reg. from North America
 - 59 reg. from Europe

Registrants (132 total)

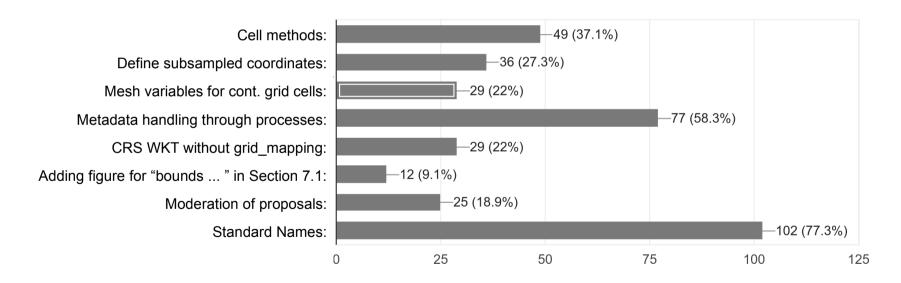




Country

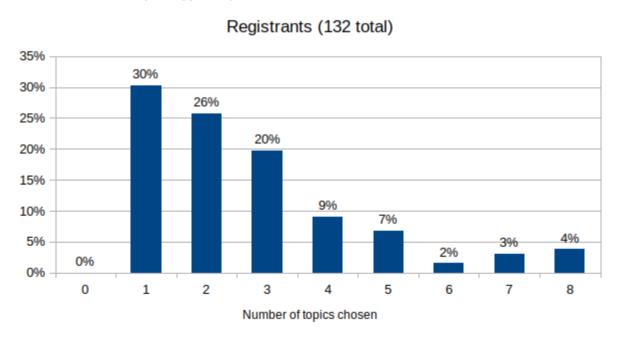
Topic interest

132 registrants with multiple options



Topic interest

Number of topics chosen by registry:



Participation

65-90 participants in plenary sessions

- Thanks to EUMETSAT for providing virtual Rooms
- Virtual meeting preparation it's a technical challenge
- Thanks to D.Lee for setting-up

Per topic:

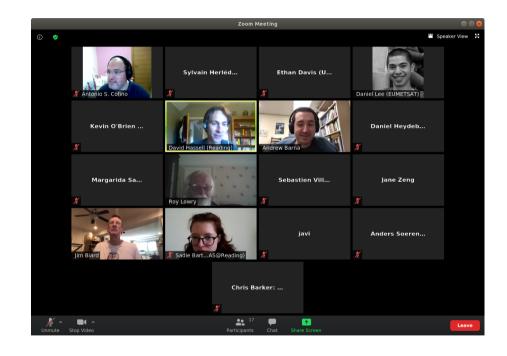
- Cell methods: 21 participants
- Define subsampled coordinates: 10 participants
- Mesh variables for cont. grid cells: Cancelled
- Metadata handling through processes: **32 participants**
- CRS WKT without grid mapping: 4 participants
- Adding figure for "bounds ... " in Section 7.1: 6 participants
- Moderation of proposals: 6 participants
- Standard Names: 37 participants



Participation

The Virtual Social Hour:

- Not too much success,
 - but ongoing request to Zoom for providing "Beer/Wine/WEYLTD" feature.



CF principles:

- Data should be self-describing: no external info needed to interpret it
- Driven by use-cases
- Practicable for both data-writers and data-readers
- Metadata easily parsed by humans as well as computer programs
- Minimise redundancy and any other possibilities for silly mistakes

CF Governance principle: CF it's a community effort

- CF Community: who use and contribute to CF
 - Anyone can contribute by proposing changes and participating in discussions
- What is to be community driven?:
 - Recruit new community members increasing perception and reach
 - Learn how the community relates with CF, how the community uses CF.
 - Provide new and helpful resources to community and educate on topics
- Are we there? What is needed/missing?
 - More/Any training, tutorials, hands-on, tools

CF GovernCF conventions and standard name committee:

- One chair (K.Taylor), 2 secretaries (A.Pamment and D.Hassell) and 11 more members made up from active contributors.
- Moderate proposals, contribute and develop CF

CF Governance Panel

- 5 members: E.Davis (Chair, UCAR/Unidata, USA), J.Gregory (NCAS/UReading, UK),
 B.Lawrence (NCAS, UK), D.Lee (EUMETSAT, EU) and K.Taylor (PCMDI/LLNL, USA).
- Representatives from significant contributors
- Promote the CF usage and stewardship
- Appoint the chair of CF Committee

ance principle: CF it's a community effort

Process to change CF Conventions:

- Anyone can propose changes or bring-up issues
 - Changes are discussed
 - Moderator summarize
 - Decision made by consensus
 - Change agreed:
 - 3 weeks without significant contribution
 - 3 contributors, and at least 2 committee members support
- Guidelines in <u>CONTRIBUTING.md</u> should help: more details at D.Lee presentation.

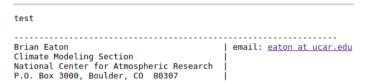
- Workflow migration to Github on Nov-2019
- Learn new GH tech and process: PR, commits,
 MarkDown, AsciiDoc, ... overwhelming?
- The cf-metadata mail list it's no more in use.
- The Trac site, it's no more in use.
- Both (mail list and trac) are a invaluable source of knowledge that needs to be curated:
 - CF conversations since 2002 to 2019.
 - http://mailman.cgd.ucar.edu/pipermail/cf-metadata/
 - Trac site with valuable open issues:
 - What to do with them?
 - https://cf-trac.llnl.gov/trac (no-reliable)
- Some tidy-up on <u>CF web page</u> it's needed

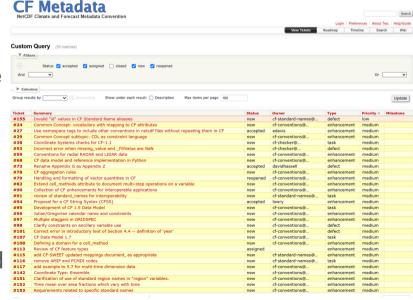
[CF-metadata] test

Brian Eaton eaton at near.ucar.edu

Tue Mar 19 18:15:06 MST 2002

- Next message (by thread): [CF-metadata] Re: CF NetCDF Conventions
- Messages sorted by: [date][thread][subject][author]



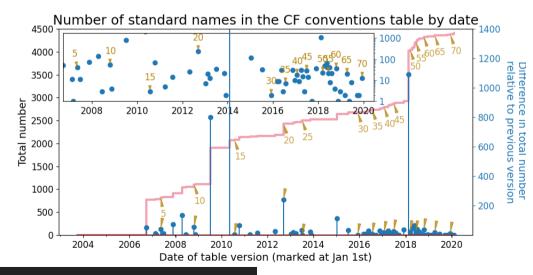


CF Standard Names

- What is and how the standard name process works
- Any member of community may propose and comment on proposals.
- Fast track for existing similar terms
- The CF standard names committees vote in case no consensus
- The rules: http://cfconventions.org/standard name rules.html

CF Standard Names

- The CF standard name grows:
 - https://github.com/cf-convention/cf-convention.github.io/issues/110



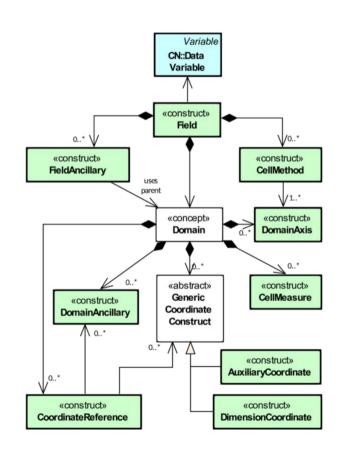
by S.L.Bartholomew

CF Standard Names

- Ontologies: towards a formal representation of CF standard names and its publication:
 - https://github.com/cf-convention/discuss/issues/51
 - https://mmisw.org/ont/cf/parameter
 - Parsing CF standard names, J.Gregory (2010):
 - http://www.met.rdg.ac.uk/~jonathan/CF_metadata/14.1/
 - Grammar, Uses, Derivation, Direction, Lexicon, Patterns, Standard names and analysis.

CF Roadmap

- Long period with no releases:
 - CF-1.6 (2012) to CF-1.7 (2017).
 - Very active period but not outcome release.
 - Dedicated human resources it's a key
- CF-1.8 in beginning of 2020
 - Netcdf4 Group and String type support, no more netcdf4 only classic data model
- CF-1.9 before 2021 CF Workshop:
 - Appendix for the CF Data model: A formal representation for the CF Conventions
- Proposal for 6 months release cycle

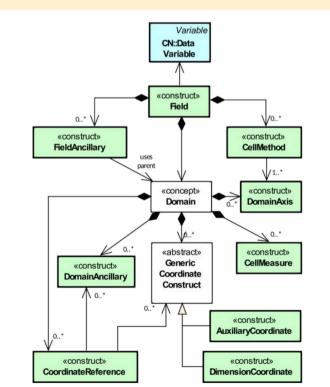


CF software

- CF checkers:
 - CEDA/NCAS CF-Checker
 - CF Conformance Requirements and Recommendations document
 - https://github.com/cedadev/cf-checker
 - IOOS Compliance Checker
 - Plugin based, CF checks, ACDD, NCEI templates
 - https://github.com/ioos/compliance-checker
- cfdm python package
 - o implementation of the CF data model
 - https://ncas-cms.github.io/cfdm/

Call for contributing to CF Software page:

- http://cfconventions.org/software.html
- If your software tool is not listed, please submit issue to CF Discuss repo:
 - o https://github.com/cf-convention/discuss/issues

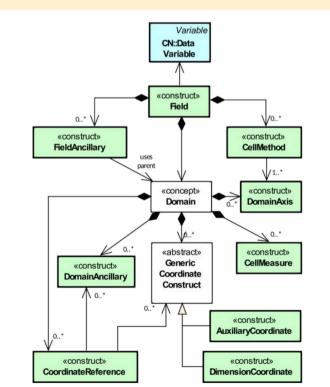


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- What do I have miss?
- What are you missing from the workshop?
 - Any important topic discussion?,
 - Some general discussion?
- What organization issues have you find?
- How can we improve forthcoming CF workshops?

Please comment now! Or write down on the google-doc Your feedback, as community member, is important!!

- Thanks to presenters.
- Thanks to breakout topic sessions chair and reporteaurs.
- Thanks to 2020 CF workshop committee:
 - Jim Biard, Dave Blodgett, Kevin O'Brien, Antonio Cofiño, Ethan Davis, David Hassell, Jessica Hausman, Aleksandar Jelenak, Daniel Lee, Jonathan Yu
 - It has been a challenge to organize this virtual workshop
 - Blame to workshop committee for any issue:
 - CF Governance Panel as subsidiary ;)

Thank you, as community, for participating and contributing to CF.

Plan the next 2021 CF Workshop