



Climate Change

C3S Data Rescue Lot 1

WP3 monthly telecon

Friday, 7 December 2018 15:00 UTC





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DATA FORMAT

The CEF File Format

<http://brohan.org/CEF>

CEF files look like this:

```
CEF      0.0.1
ID       DWR_Zarate
Name     Zárate
Lat      -34.0958
Lon      -59.0242
Alt      NA
Source   NA
Repo     NA
Var      msl pressure
Meta     PTC=T,PGC=?,Units=hPa
Year     Month Day   HHMM   TimeF   Value   Meta
1902     12    22    700    0        1005.91
1902     12    23    700    0        1009.78
1902     12    24    700    0        1000.18
1902     12    25    700    0        1015.11
1902     12    26    700    0        1009.65 PTC=T,PGC=?
1902     12    27    700    0        1009.78 PTC=T,PGC=?
1902     12    28    700    0        1014.05
1902     12    29    700    0        1016.18 PTC=T,PGC=?
```

- File naming?
Can we handle multiple instruments (e.g., two thermometers in different screens)?
- Is ECMWF fine with defining a «Copernicus Exchange Format»?
Perhaps less generic name?



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Deliverable 1.3.2.3-2018 (Data rescued from Capacity Building Regions)

- Data will be delivered to ECMWF on a GitHub repository (organized by Yuri)
- Each data rescue project should send a zip file to yuri.bru gnara@giub.unibe.ch containing the following folders:
 - **DATA*** (both raw and post-processed data, if available)
 - **METADATA*** (any metadata, at least a data inventory)
 - **DOCS*** (documentation in any format, but not a scientific paper!)
 - **SCRIPTS** (any software used to post-process data, if applicable)
 - **QC** (quality flags if available)

(asterisk indicates compulsory folders)

See <https://github.com/oldweather/DWR> for examples of data documentation.

DEADLINE: 30 November



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BEST PRACTICE GUIDELINES

- Review of contributions until **14 December (?)**
- Second draft submission from writers: deadline **19 January**

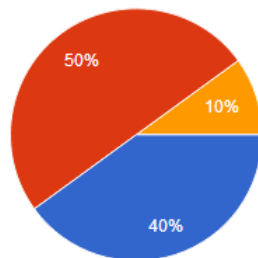


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SURVEY 2018

Project type

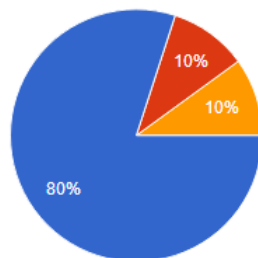
20 responses



- Long term (no predetermined end)
- Medium term (total duration 1-5 years)
- Short term (one-off activity <1 year)

Project status

20 responses



- Active
- Ended
- Temporarily stopped
- Planned

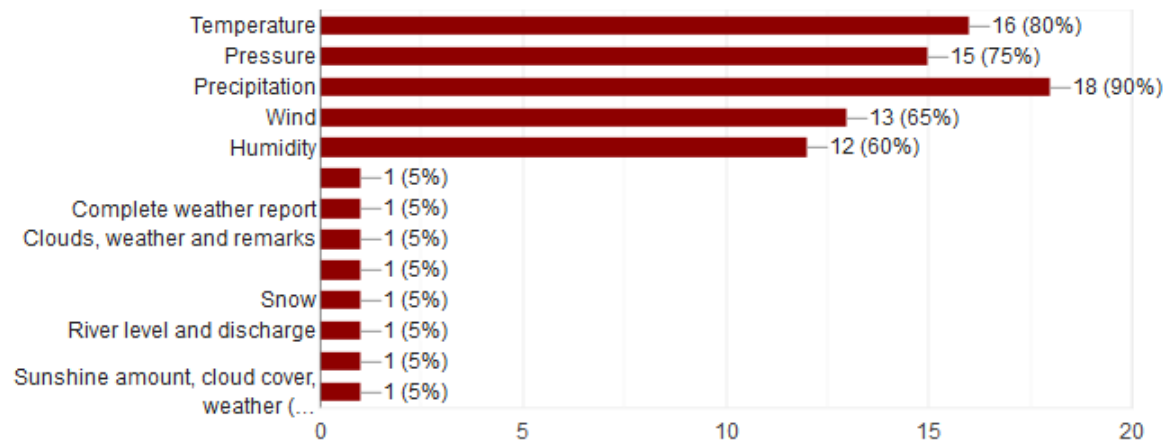


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SURVEY 2018

Variables rescued

20 responses



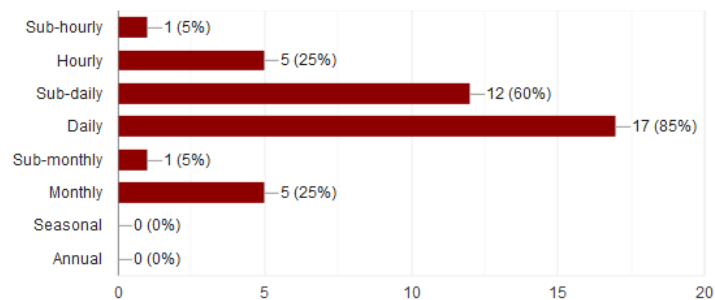


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SURVEY 2018

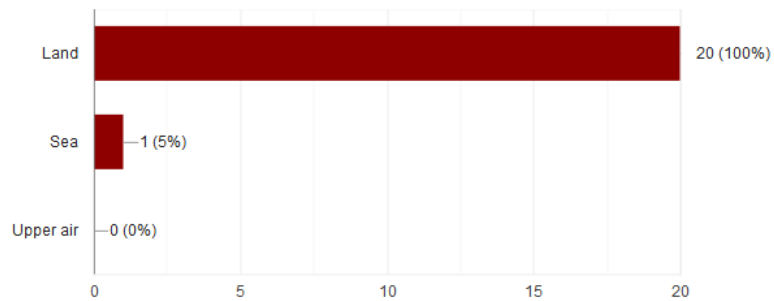
Data resolution

20 responses



Data domain

20 responses



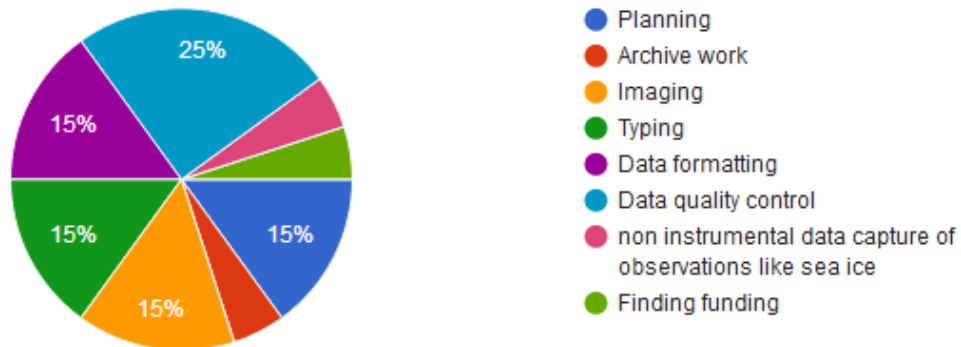


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SURVEY 2018

In which phase of the data rescue would your project benefit the most if there were more detailed best practice guidelines available?

20 responses





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SURVEY 2018

In future best practice guidelines for data rescue, is there a topic that you think would need more detailed discussion with respect to current guidelines?

- Data management of imaged sheets. A standardized protocol would allow for software tools and methodologies for transcription to be more easily shared.
- Archiving and managing imaged/digitised data and metadata guidelines.
- Typing old weather books automatically.
- Long term stewardship of scanned images and interactive catalogue of images.
- Data quality control and homogenization.
- Finding funding for data rescue and digitization.
- How to cooperate with government department to get more data.
- It would be useful to offer more software and scripts for data quality control (e.g., matlab scripts for homogeneity tests).
- Archive work and Data formatting.
- Secondary station, boitenzorg, any chart. (???)
- Cataloging the data. (???)



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- Other matters?
- Next telecon? QC telecon?