4.2-D5 Data Rescue activities

Peter Thorne

- At the recent SERCOM meeting new data rescue guidelines were adopted

- These reflect the state of the art best practices and provide practical examples to Members

- Guidance is being translated into WMO languages

- The WMO and C3S data rescue portals have been merged by KNMI
- See https://datarescue.climate.copernicus.eu/
  - Data rescue guidance
  - Ability to register and track progress on data rescue projects
  - Work ongoing on ability to cross-reference and determine whether data are in need of rescue
  - Platform to upload data to global repositories
    - Order 30 projects have uploaded data to date
  - Issues over georestrictions mandated from EU which are a subject of ongoing discussion
  - Challenges over buy-in – we know there are projects ongoing which have not registered via the portal

- Novel data rescue in the classroom approaches continue to be refined and documented

- Slow uptake by third level institutions

- Need to crack uptake at secondary level to really move forwards at scale

- Positive learning outcomes

- WMO have engaged directly Maynooth University students in follow-up paid work.

- Very many active citizen science data rescue projects

- Success seems to depend upon:

  – how interesting the target data is to citizens

  – simplicity of the task and

  – the public profile of the project lead

- Projects can retrieve millions of data values if successful

- There is little project coordination

- Data rescue projects that C3S and NCEI are aware of are deposited and given priority in pulling through to global repositories

- There is NOT universal pull-through currently though

- Guidance is required in this regard – may be able to be fixed in the context of 'climate infrastructure' but much of data rescue is not undertaken (at least directly) by NMHSs

- There is a lot of interest in AI for data rescue

- RMS conference recently held in UK

- Several NMHSs actively exploring

- Some SMEs interested

- C3S also interested

- Coordination of efforts is ad hoc at best

- To date not optimized

  - Need to set up rules to aid AI?

  - Role for human checks?

  - What does AI need to be told for it to stand a chance?

- ACRE remains active and globally the main coordinator

- Following Rob Allan's resignation from UKMO it has become even more fragmented effort

- ACRE meeting to be held in Corfu next week at which things may become a bit clearer

Thank you