Connecting the pieces: C2CAMP

Global aspects and implementation efforts

https://github.com/c2cAMP/core/wiki
C2CAMP?

• Cross-continental Collection Access and Management Pilot
• Idea: Build a critical mass of correlated projects across 3+ continents
  – Explore RDA recommendations in practice: Build testbeds
• Goal: Improve Digital Object management
  – Facilitate benefits for cyberinfrastructure and end-users
  – More efficient and effective data management despite increases in data volume, number of objects, variety
  – Enable usage across workflows, communities
  – Improve provenance for better trust, reuse and potentially reproducibility

https://rd-alliance.org/ -
https://twitter.com/resdatall
The core partners

- some research infrastructures (ICOS, CLARIN, DISSCO, ENES)
- some typical data centers working closely with communities
- some HPC centers working also with communities
- some IT providers
- all grown from close RDA collaborations and joint priorities
- all agree that scientific cases are in the driving seat
- all have shown commitment and competence

C2CAMP: Intercontinental and Interdisciplinary
C2CAMP organization

- Virtual meetings, last ones in June
- Face-to-face meetings, last one before RDA P11
- Website: https://github.com/c2camp/core/wiki
- Participation paper
- Discussion papers

- Coordinators: Larry Lannom, Robert Quick, Peter Wittenburg, Dimitris Koureas
Towards a DO Infrastructure

- flexible testbed to build and integrate methods based on DO concept
- come to a systematic and systemic solution for the data challenges
- be prepared for the phase of automatic processing of scientific data
- make it simple for researchers by reducing complexity and let them work in the world of DOs, i.e. working with metadata and PIDs
- integrate components specified by RDA, OAI, W3C etc.

- **Example1**: provide operators to work with DOs (move, delete, etc.)
- **Example2**: build workflows based on a types and proper provenance

Landscape of trustworthy repositories and registries based on interoperable components.
• Thank you for your attention.

• Further reading material: https://github.com/c2camp/core/wiki