Collaborating e-Infrastructures

Bruce Becker, EGI Operations

✉ bruce.becker@egi.eu
🐦 @brusisceddu
 brucellino
iD 0000-0002-6607-7145

Overview : Topics for discussion

- Welcome

- Why are we here ?
  - Summary of previous event
  - Common challenges, Common opportunities

- Themes to address:
  - Open Science
  - Platform Services
  - Employability
  - Community

- Technology/Development *vs* Community/Maturity

- What next ?

Welcome to Meeting 5 !

- 'Traditional' meeting between national and regional e-Infrastructures

- Originally started to address :
  - Technical Interoperability
  - Support to communities of mutual interest
  - Discuss best practice and sustainability

- This one was tricky – thank you all for being here.

- Round table introductions

Summary of the previous meeting

- Held > 1 year ago in Montreal :
  - Agenda : https://indico.egi.eu/indico/event/3472/
  - Notes : https://docs.google.com/document/d/1kOCJMd6dxty-dtgWkwv-EjeLNsP58EVgrvwCdLrSHfM/edit#

- Present :
  - OSG
  - NCSA/XSEDE
  - ComputeCanada
  - NRC Canada
  - SDSC/XSEDE
  - Cancer Computer
  - EMB
  - Astron NL

New infrastructures and new faces : Consistency vs Diversity

- Australian Research Data Commons: https://ardc.edu.au/

- Inter-university Data-Intensive Research Infrastructure (IDIA), University of Cape Town - http://www.idia.ac.za/

- Science Gateways Research Centre (IU) https://sgrc.iu.edu/

- Similar communities

  - SKA, biology, health, earth observation, humanities.

- More and more diverse infrastructures

  - Common perception : Physics was the first to mature it's infrastructure and spin off platforms.

  - What lessons do we have for the next wave – H3A, SKA, GEOSS, *etc.*

Themes : Open Science

- What position does your infrastructure take regarding Open Science

- What abilities do our infrastructures afford researchers to execute open science workflows ?

- Discussion topics :
    - Portable identities
    - Persistent Identifiers
    - Services for reproducibility
    - Integration with data and paper repositories
    - Discoverability services, Ontologies

Theme : Platform services

- What relationship is there beteween the services in your infrastructure and 'the real world' ?

- Do your services map to the Cloud Native Landscape ?

- Is your infrastructure attempting to be 'AWS for Science'

- Discussion topics :
  - Best practices
  - Service Catalogues
  - Interoperability
  - Tools

Theme : Employability

- **Who builds and operates our infrasturctures**

- What kind of people are trained by and work for us ?

- What kind of contracts are offered, what skills are required ?

- Topics for discussion :

  - How do we depart from industry roles - Research Software Engineer, Site Reliability Engineer, *etc*.

  - What kind of training is offered or developed for infrastructure developers ?

  - Where do our recruits come from and go on to ?

Themes : Community

- Hypothesis : Long-term sustainabilty is contingent on an engaged and committed community.
  - Does such a community even exist ?
  - What would it's constituency look like ?

- Topics for discussion :
  - Is a professional community like https://www.usenix.org/ possible in our domain ?
  - What impediments to community development have our funding or operating environment ?
  - How do we encourage and recognise contributions ?
  - What services do we operate to support communities
  - What feedback mechanisms do we have for communities to express their support of us ?

Up Next :

- We will have descriptions of the infrastructures, by the infrastructures.

- Keep room for discussion

- Remember the communities :
  - Research Communities
  - Our own communities

- A short report afterwards.

- Informal dinner on Wednesday.

- Where next ?