EOSC / RDA

Topical Discussion

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EOSC

EOSC HLEG	first report 11 October 2016
EOSCpilot	H2020 project STFC (10 M€) 1-1-2017 – 31-12-2018
EOSC Summit	12 June 2017 Brussels
EOSC Stakeholder Forum	28-29 November Brussels
EOSC-Hub	H2020 project EGI.eu (30 M€) 1-1-2018 – 31-12-2020
INFRAEOSC-04-2018	22 March 2018 deadline
EOSC SKA ??	

EOSC Summit 12 June 2017

First, what will the Cloud look like?

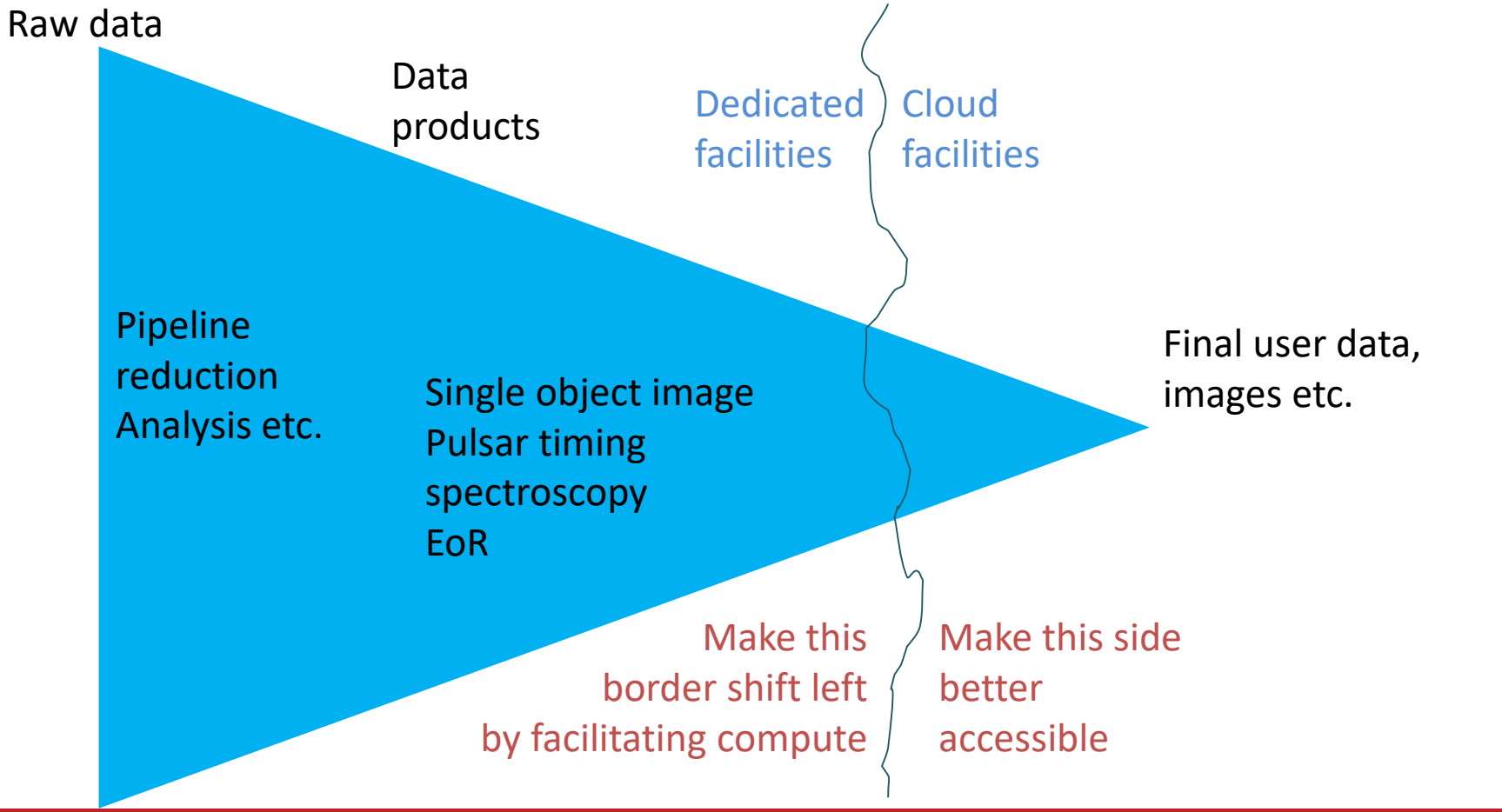
In two years from now, I imagine researchers using the Cloud on a daily basis. Every researcher will be able to find and access data from all publicly funded research in Europe in a single click. They will be able to access data from different disciplines. And to combine the data and analyse it in new ways. Each researcher will also be able to store and manage their own data. And share their data with others in a secure and trusted environment.

Carlos Moedas, EOSC Summit: The European Open Science Cloud – The New Republic of Letters

EOSCpilot

- EOSCpilot H2020 project
- WP 4 organises Science Demonstrators
  - 5 SD at start
  - 5 SD 1 July 2017
  - 5 SD 1 January 2018
- ASTRON leads LOFAR Science Demonstrator in EOSCpilot project

EOSC pilot tasks



Challenge & Use cases

Challenges

- Data provenance
- Federated Indentity
- Compute to data
- Multiple LTA sites
- Where → what is my data

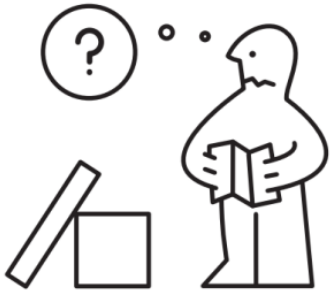
Facilitate

- easy access for power user. Free/sandbox compute with own algorithm, parameters, on small local data set.
  - Then scale up to larger data set on remote cluster
- Make LOFAR LTA accessible to non power users
  - Standard pipeline and GUI for ~10 free parameters.

Plan of attack

1. Define “perfect” environment

2. Existing tools and resources
   immediately start building



3. from there define new projects
   for improving the working system

Use this demonstration to show both possibilities and limitations of current software and e-Infrastructure.

EOSC future

- Is this the way to go?
- Should AENEAS / SKA
  - move in the same direction,
  - be
    - leading
    - following
    - learning
    - teaching

RDA

- RDA is partner
- We proposed to connect to RDA
- RDA does useful things
  - Working groups
  - Define standards
  - Distribute standards
- How do we connect / reach out?

Learn or teach?

- People look at astronomy, because it is a good example, as they do “this” since forever.
- What can we learn?
- What can we teach?