Define the EOSC Technical Architecture

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Dissemination level: Confidential *If confidential, please define:*
Disclosing Party: EOSC-Hub partners

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Outline

- Recap of the most important outcome of the WS
- Main goals we should achieve in the short term
- Main goals for the medium term
- Plan for the next steps with timeline and deadlines

Recap of the most important outcome of the WS

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- Very fruitful discussions on the main features for each of the tech areas
- The slides presented sometime refer too specifically to the EOSC service implementing the macro-feature…
- but in general they are already enough to start defining the specification of the macro-features

⇒ We definitely need to make the effort **to think in abstract** terms and define the set of API / protocols / standards / etc

Main goals we should achieve in the short term

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- Each area should provide feedback on the list of macro-feature to the Area Leader
- We should close the list of the macro-feature soon
- Then we should work on the description of the “feature” for the **first list**
- We need to start with a minimum list of “macro-feature” we cannot work on the full list for the whole EOSC(-Hub) in the first implementation
  - It could take ages!!!
- This is the first round: we should cover as best as we can all the **Federating Core** and **Generic Services**
  - The **TS** only if ready and possible on the time bases
- Please try to focus on the **Guidelines**
  - With particular reference with the **interoperability**

Main goals we should achieve in the short term

- For each of the “macro-feature” we should provide a single file made from this template:
  - https://docs.google.com/document/d/1mTv4RR7SczmeX7aOzUqmMhQZSaoKhjdTZIerc40oC-M/edit
- The new files should be uploaded in the “tech area” folder under this common shared folder:
  - https://drive.google.com/drive/u/0/folders/1_C-r7LSa8epZwfMUv05s9VDibXjljz0Z
  - If you are not authorized, please let me know
- As soon as you have an update (add a new file) please let know the TCOM mailing list, so that we can all take a look and provide feedback/comments

⇒ These documents will be the major contribution to the “D10.4 EOSC Hub Technical Architecture and standards roadmap v2”

⇒ So, please, we should try to make our best!

Main goals we should achieve in the short term

- Temporary location for the initial Draft of the EOSC-Hub Reference Architecture:
  - https://wiki.eosc-hub.eu/display/EOSCDOC/EOSC+Documentation+Home
- Zenodo Open Access Repository:
  - https://zenodo.org/communities/eosc-open-repository/
  - To make the more official documents available

⇒ We should exploit this areas to share our work with

Main goals for the medium term

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- Start “show” the work done in the first round to other EOSC Initiatives/projects (RIs, Clusters, EOSC service providers and implementation projects)
  - Gather feedback to improve the description and content of the Architectural document
- This improved document will be shared with the Architecture Working Group as initial input for their work
  - EOSC-Hub will be represented by Mark in this WG
  - Common/agreed EOSC-hub reports will be presented by Mark
- Start the analysis on the TS to provide a similar list of feature:
  - Who could lead this scouting?
  - Do we have to ask WP7 leader? Do we have any other idea? Some of the TS will fall under Marcin Tech Area…

Plan for the next steps with timeline and deadlines

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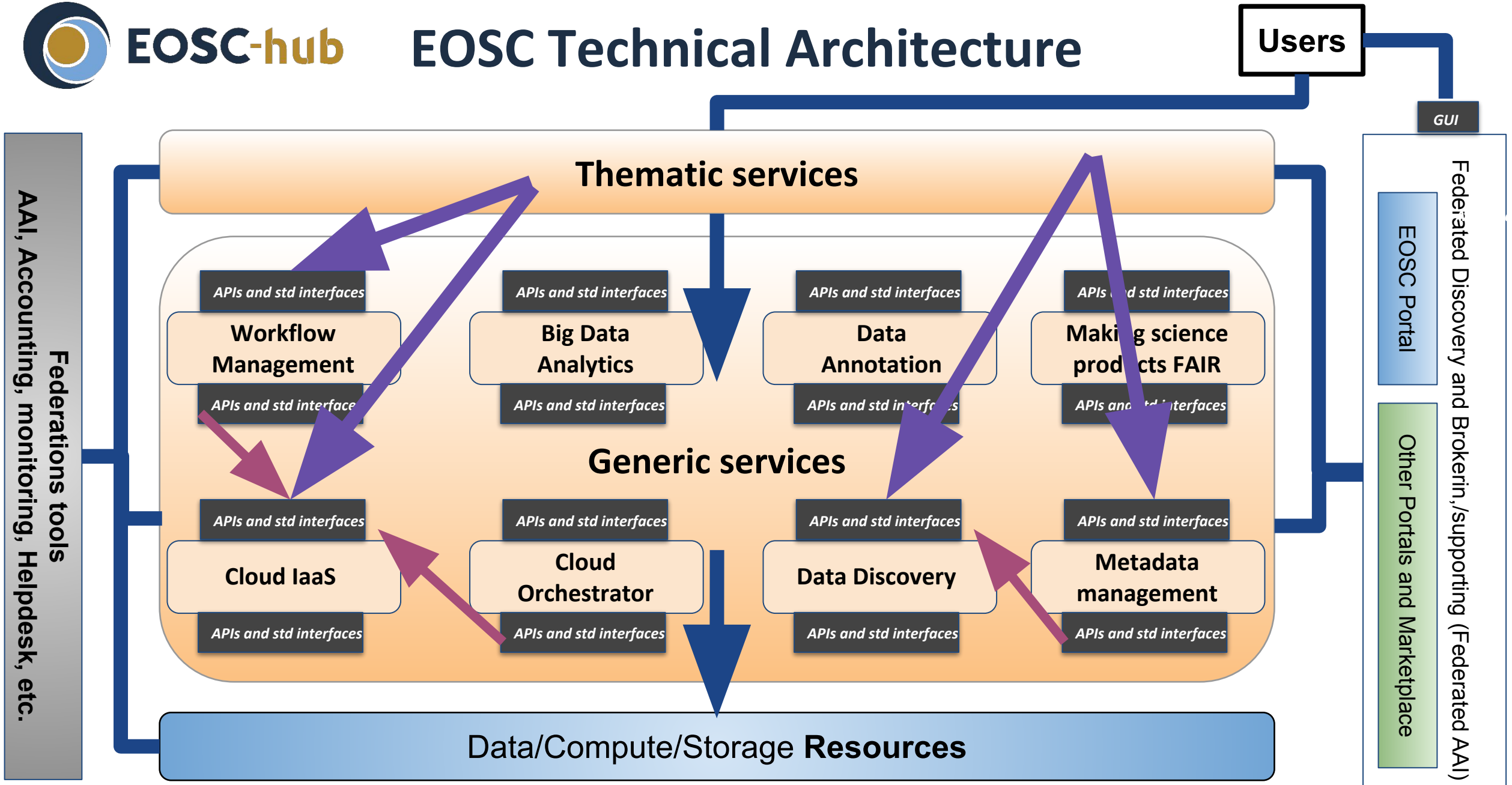
- **Technical Specification Documents** ready in the shared folder for each of the already identified “macro-feature”:
  - **Friday 5th of July**
- Start writing the 10.4 Deliverable and reviewing the “Technical Specification Documents”:
  - **Monday 8th of July**
- End of writing the deliverable:
  - **~ End of July**
- Start planning webinars with other EOSC related project/initiatives (RIs, Clusters, EOSC service providers and implementation projects)
  - **During July & September (to check with communities)**
- Provide a revised version of the architecture (not in the form of a Deliverable)
  - **End of September**
- Start provide input to the Arch WG
  - **When the WG starts its activities (methodology)**
  - **D10.4 + guidelines**

EOSC-hub proposal for the EOSC technical architecture – An open approach

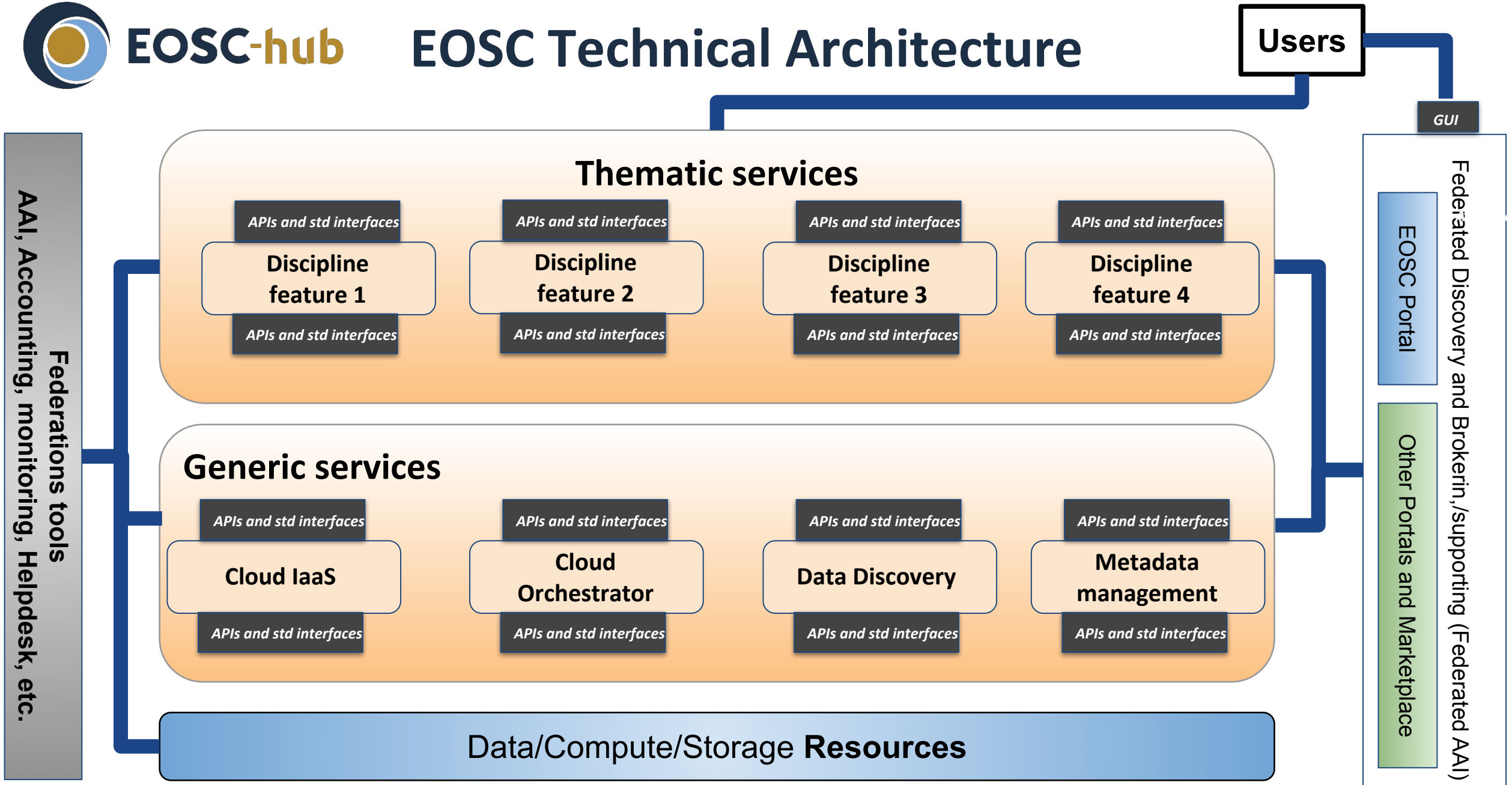
- Autumn 2019:
  - EOSC Architecture Workshop: an open event co-organised by EOSC-hub in collaboration with the EOSC Architecture Working Group
  - Expected output: a proposal for the EOSC tech architecture as outcome of the consultations with the largest expected EOSC user groups.

- By end of 2019:
  - Proposal for the EOSC tech architecture shared with the EOSC architecture WG

EOSC Technical Architecture



EOSC Technical Architecture



Thank you for your attention!

Questions?

Contact

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