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EOSC Node Czechia

Experience from the Buildup Phase

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EOSC Node Czechia

- National Node, serving as an entry point into national EOSC ecosystem
  - As well as a bridge to the EOSC Federation
- Services
  - Core services provided by the national e-infrastructure, e-INFRA CZ
  - Additional services from the EOSC CZ initiative
  - Onboarding national repositories, also supported by EOSC CZ
  - Service Incubator for not yet fully mature services (lower TRL)
- Governance
  - e-INFRA CZ consortium (CESNET, CERIT-SC/Masaryk University, IT4Innovations/VSB-TUO)

EOSC CZ Node – BuildUp

- Complex process started already for the first wave proposals
- Successful application in the second wave
  - Clear governance, clear core services and their evolution, onboarding as a key feature
- Buildup with not so clear conditions for successful transition towards production
  - Joining NCC and WGs, starting to contribute to clarifications
  - First to sing the MoU from the second wave, explicit registration later
- Use cases, trust and coordination preceded the Technology or Legal aspects as the most interesting/challenging parts of the process

Use Cases

- Several clearly identified in the application
  - Challenge to select just one or two for unclearness of acceptance conditions
- Conservative decision
  - **AI-Enhanced Federated Galaxy Workflows** (NFDI Node, Life Science Node)
  - **SensitiveCloud for Multi-centric Validation (MCVAL)** (BBMRI Node, ICSC Node)
- Plus evolving the **Cross-Node Federated LLM-as-a-Service with** EGI Node
- We are happy with the decision, but we still see a distance between the use case (including the acceptance criteria) and the actual use of the cross nodes offerings
  - Not in the use cases themselves, but how to generalise the experience
- We are still within the buildup/service group, not with end users

Trust

- For data resources, EOSC CZ Node relies on third parties
  - Repositories are expected to be provided through onboarding, not by consortium members
- Onboarding needs trust between parties
  - Interaction between national and thematic nodes
- Trustworthiness of the EOSC CZ Node
  - We are explaining things that are not always explicitly described in available documents
  - Repository providers have to trust us when we are explaining what will happen
    - There is yet no real experience with EOSC Federation, so there is no legacy to be referenced
- We expect the trust relationship to expand to the internode interaction
- Reliability will become next key issue for trust building – “what you promise will happen”

Coordination

- National governance and coordination among core consortium partners clear
  - Uses established e-INFRA CZ consortium framework established already in 2019
  - Just finishing agreements for the onboarded parties
    - Special case repositories with human/sensitive data
- International coordination clear (formal part)
  - NCC, NOC, WGs; early representation on the Legal WG, contributions to the FA
- FA discussion demonstrates work to be done to actually make EOSC Federation a reliable, trusted whole
- Voluntary contributions will not be sufficient, binding conditions will be necessary

Conclusion

- The EOSC Federation building process was well prepared, but it is still a process
- Evolution of understanding through the federation construction
  - What is “production level”, what are precise acceptance conditions, interoperability in practice
- Some areas still under development
  - Did not mention Technology, but e.g. AAI/OIDC federation, Resource allocation, Cross border resource reuse, …
- FA and actual implications
  - Decision taking clear, but how to ensure adherence to agreed decisions
- One visible thing to explicitly emphasize: Clear will to build the EOSC Federation

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Thank you

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