

# 2021: La nouvelle phase de l'EOSC

**Jean-François Abramatic**

Emeritus Senior Scientist Inria

**Journées EOSC France**

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**EUROPEAN OPEN  
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# EOSC 2019-2020

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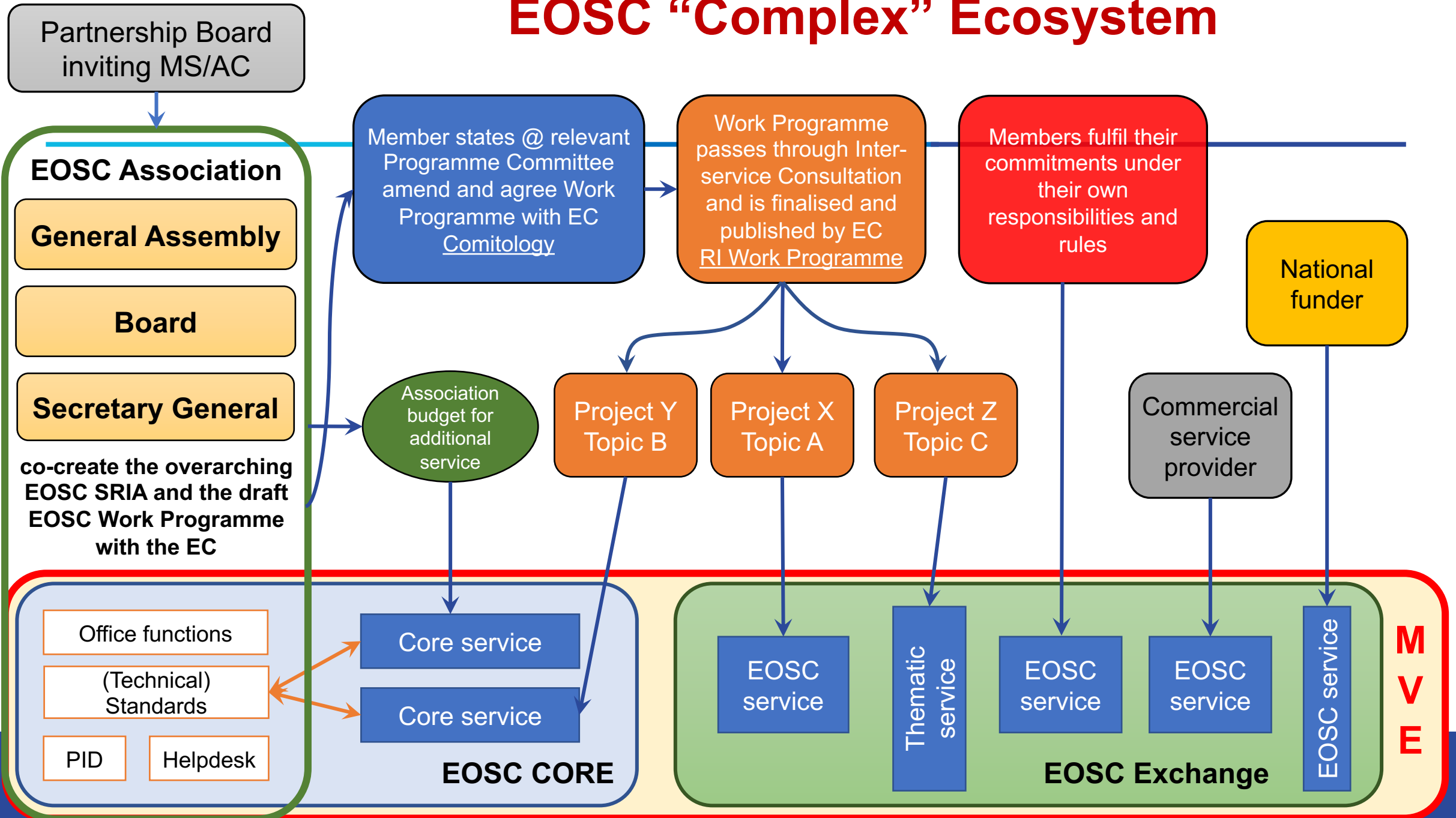
- EOSC Executive Board member
  - Individual contributor
- EOSC Architecture WG
  - Authentication & Authorization Infrastructure (AAI)
  - Persistent IDentifiers Architecture (PID)
  - Scholarly Infrastructures for Research Software (SIRS)
  - Minimal Viable EOSC (MVE)
- Strategic Research & Innovation Agenda (SRIA)
  - Attached to the MOU between the EOSC Association & the EC
  - Nurtures the Horizon Europe Work Programme

# Disclaimer

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- No more responsible -> Personal opinion
  - Based upon
    - my World Wide Web Consortium experience
    - My understanding of the EOSC status
- EOSC is a very very difficult project in many dimensions
  - Technical
    - Needs leading edge technology to scale, convincing architecture to federate
  - Semantic
    - Needs cooperative efforts from very different research communities
  - Organisational
    - Needs deep understanding of the challenges by research management, research funders
  - Legal
    - Needs cross-borders agreements

# EOSC "Complex" Ecosystem



# EOSC 2021: Large collection of initiatives

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- >30 Horizon 2020 projects such as
  - Pillar
  - ESCAPE
  - ENVRI FAIR
  - ...
- EOSC Association
  - See Suzanne presentation
- EOSC Workprogramme
  - Nurtured by SRIA
- EOSC France
  - See Volker presentation

# EOSC 2021: Opportunities & Risks

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- Opportunities
  - New calls (Workprogramme)
  - New Working Groups (Association)
  - New federating efforts (thematic and/or regional)
- Risks
  - More creolization
  - Early deployments
  - Missing Interoperability
  - Minimal technical architecture foundations

# Example: Architecture Challenges

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- AAI
  - Based upon AARC-BPA
    - Authentication and Authorisation for Research and Collaboration- BluePrint Architecture
  - Scalability issues
- PID
  - Interoperability between existing PID services
- SIRS
  - Develop first generation research software infrastructures federation
  - Tools, Standards & Guidelines

# Recommendations

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- Formalize the EOSC Architecture roles and responsibilities
  - Extend the existing Architecture WG
  - Review Task Forces (continue, modify, stop, add)
- Include Research Software as first class citizen
  - Federate existing research software infrastructures
  - Collect use cases on integrating
    - Publications, Data, Software



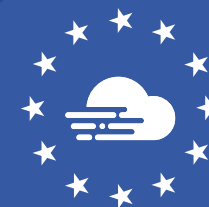
# Conclusion: EOSC at the crossroads

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- “Minitel”
  - Useful but non-interoperable services
  - 100% financed by public funding
  - Centrally managed
  - Impossible to extend
- “Internet”
  - Set of open standards
  - Open source software implementations of interoperable services
  - Designed by the community
  - “Let a hundred/thousand flowers blossom”

# Merci de votre attention

[jfabramatic@gmail.com](mailto:jfabramatic@gmail.com)



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