



**EUROPEAN OPEN  
SCIENCE CLOUD**

# EOSC latest developments and potential collaboration routes with EuroHPC

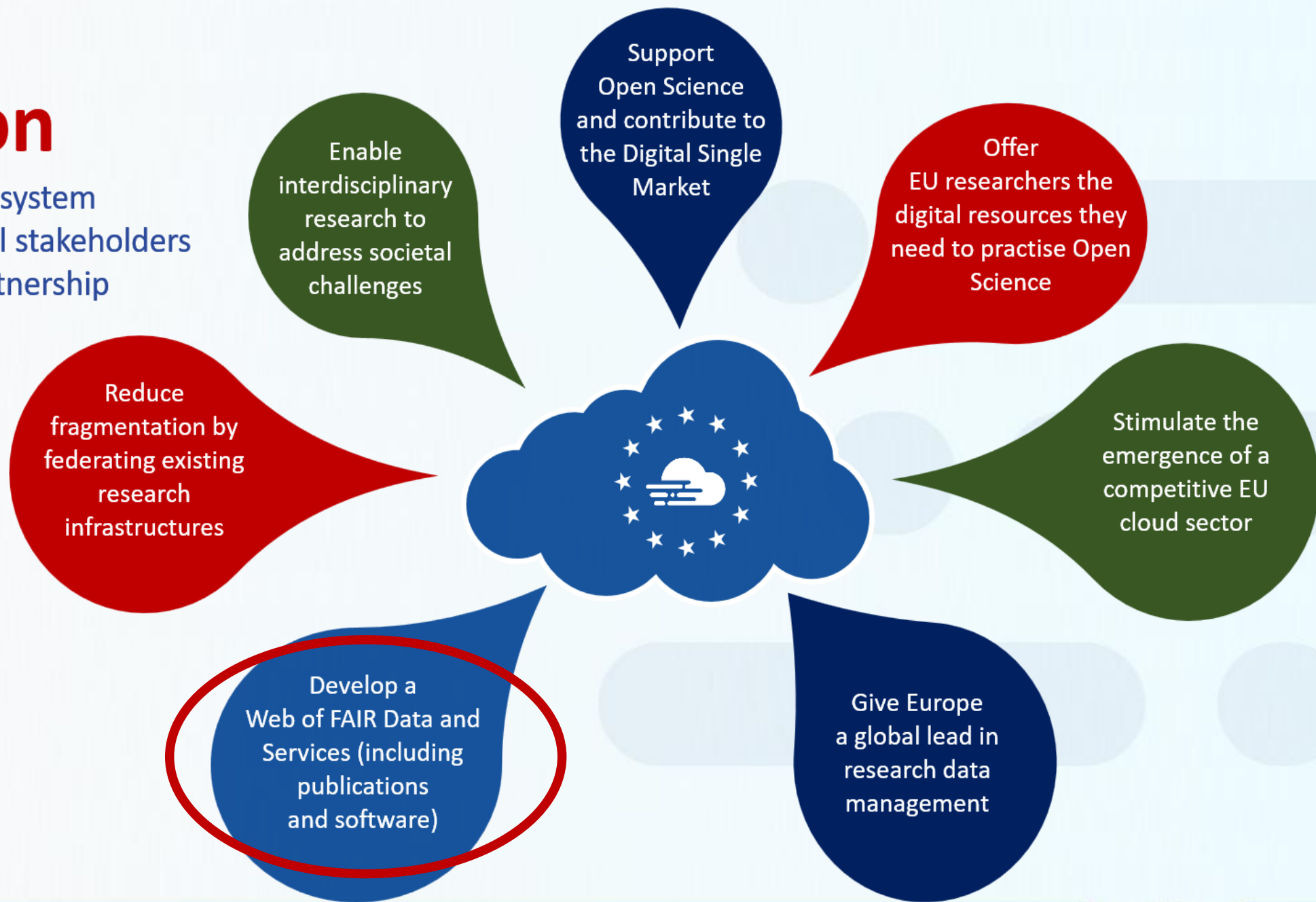
Sara Garavelli

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# The Vision

Building the EOSC ecosystem collaboratively with all stakeholders through the EOSC Partnership



# Council Conclusions, 26th November 2021



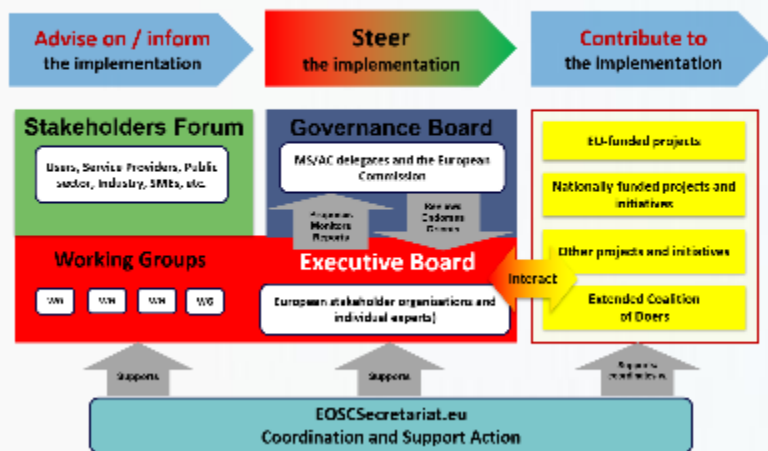
## Voluntary ERA Actions 2022 – 2024

- No. 1: EOSC
- No. 3: Reform of research assessment system
- No. 4: Research Careers
- No. 8: Sustainability, accessibility, resilience of RIS
- No. 19: Establish ERA monitoring framework

Foundation for strengthening the collaboration

# Evolving EOSC Governance

## Governance of EOSC 2019-2020

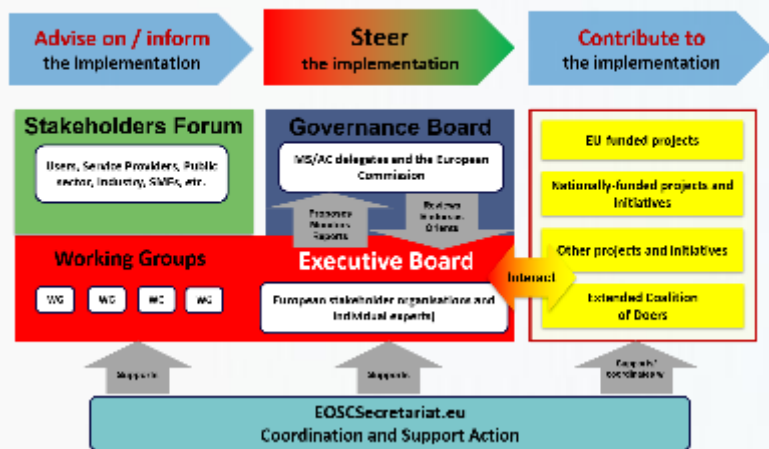


**Initial  
EOSC Governance**

**2019/20**

# Evolving EOSC Governance

## Governance of EOSC 2019-2020



**Initial EOSC Governance**

**2019/20**

**EOSC Association AISBL**

**29.07.2020**



# EOSC Association Aisbl

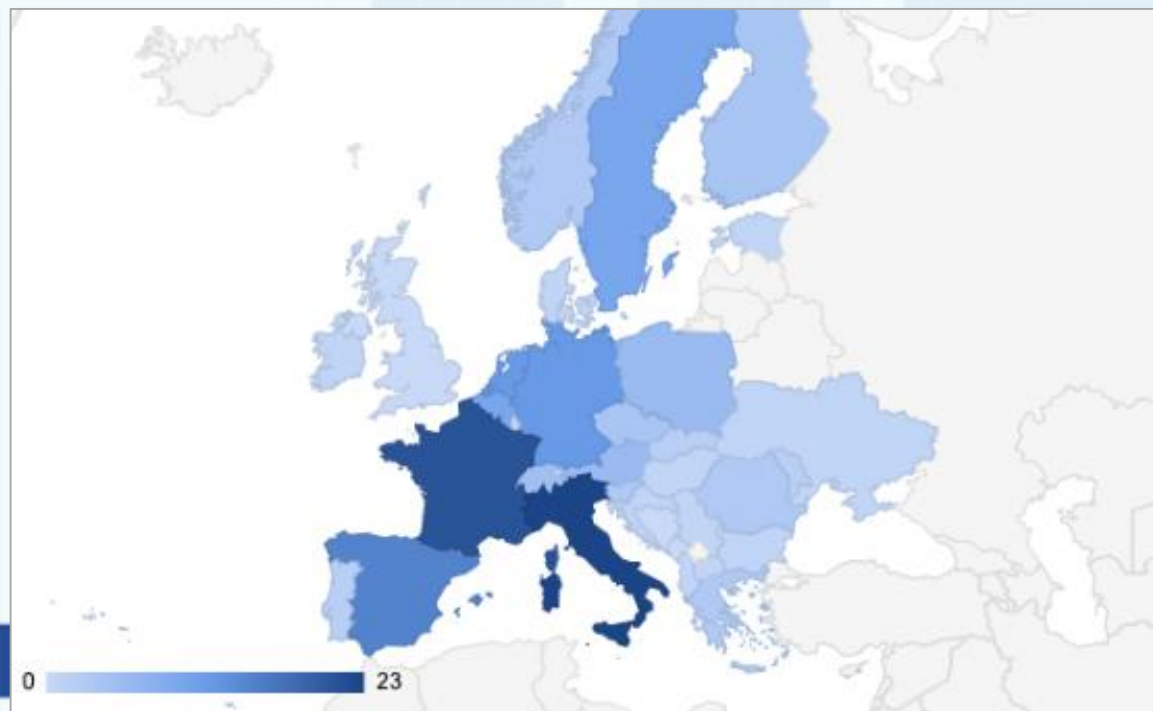
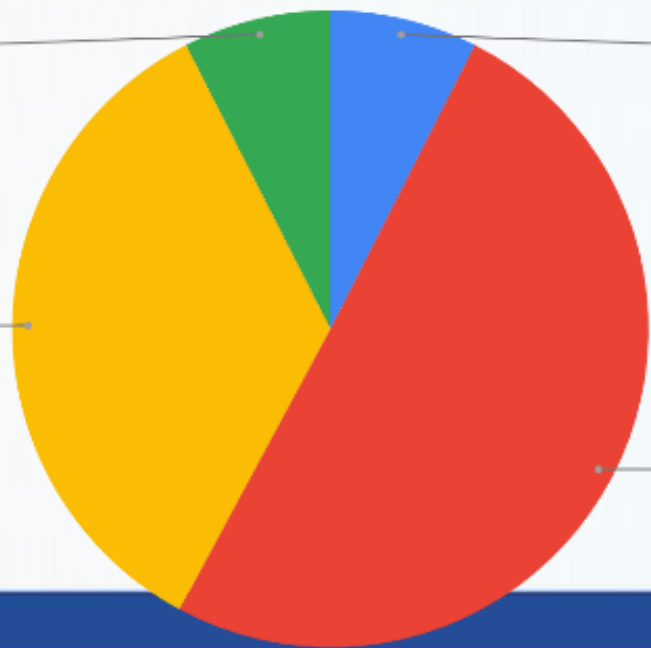
- The single voice for the advocacy and representation of the broader EOSC stakeholder community
- The membership (*March 2022*)
  - 234 organisations of which 161 are full members and 73 observers
  - Mostly research performing and service providers
  - Good geographic coverage, strongest in Western Europe

Other organisation  
7,5%

Research funding org...  
7,5%

Service providing orga...  
34,6%

Research performing...  
50,4%



# Task Forces in Advisory Groups



Suzanne Dumouchel

## Implementation of EOSC

- Rules of Participation compliance monitoring
- PID policy and implementation
- Researcher engagement and adoption

## Technical challenges on EOSC

- Technical interoperability of data and services
- Infrastructure for quality research software
- AAI Architecture



Ignacio Blanquer

## Metadata and data quality

- Semantic interoperability
- FAIR metrics and data quality

## Research careers and curricula

- Data stewardship curricula and career paths
- Research careers, recognition and credit
- Upskilling countries to engage in EOSC

## Sustaining EOSC

- Financial sustainability
- Long-term data preservation



Sarah Jones



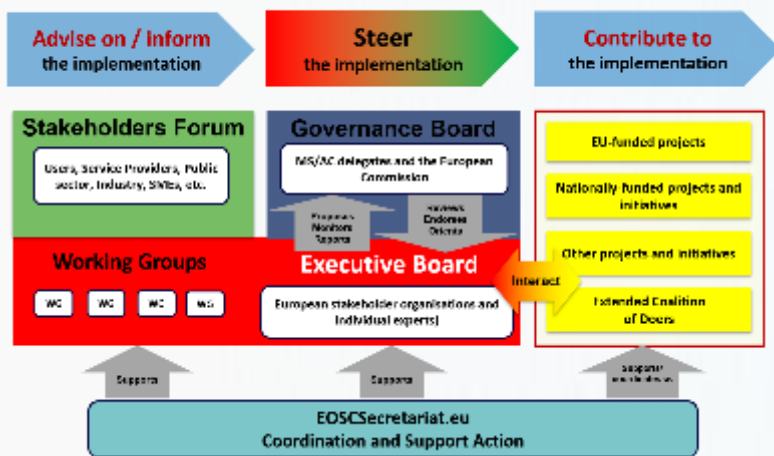
Wilhelm Widmark



Bob Jones

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## Governance of EOSC 2019-2020



**Initial EOSC Governance**

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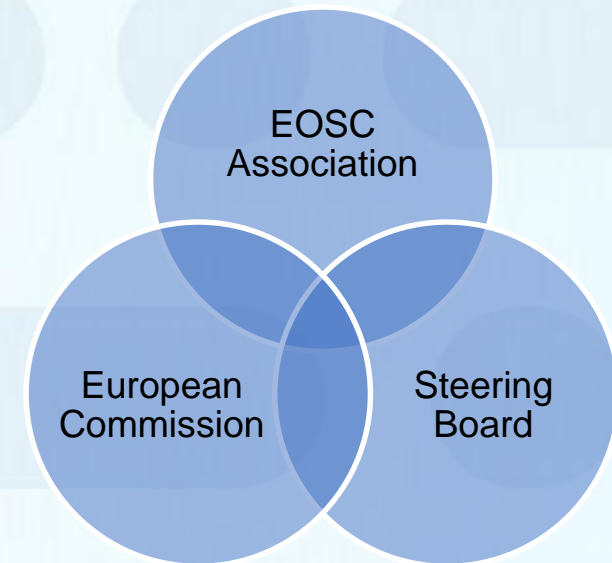
**Co-programmed EOSC Partnership**

**23.06.2021**



# Co-Programmed EOSC Partnership (2021-2030)

- The EOSC Partnership is based on the Memorandum of Understanding (MoU)
- The MoU is established between the Partners
  - The EU represented by the Commission
  - The EOSC Association (“Partners other than the Union”), including its constituent entities (members)
- The MoU is a contractual arrangement, not legally binding
- Scope & objectives
  - To contribute to the objectives defined in the SRIA incl. the KPIs to measure progress
  - Expected financial and in-kind commitments by the partners (490 MEUR + 500 MEUR)
- Governance: Partnership Board
- Commitments of the EC: to duly take into account input from EOSC-A when defining topics & priorities for EOSC
- Commitments of EOSC-A: in-kind contributions & Monitoring /Reporting



# The Strategic Research & Innovation Agenda (SRIA)



Open Science practices and skills are rewarded and taught, becoming the 'new normal'

Standards, tools and services allow researchers to find, access, reuse and combine results

Sustainable and federated infrastructures enable open sharing of scientific results

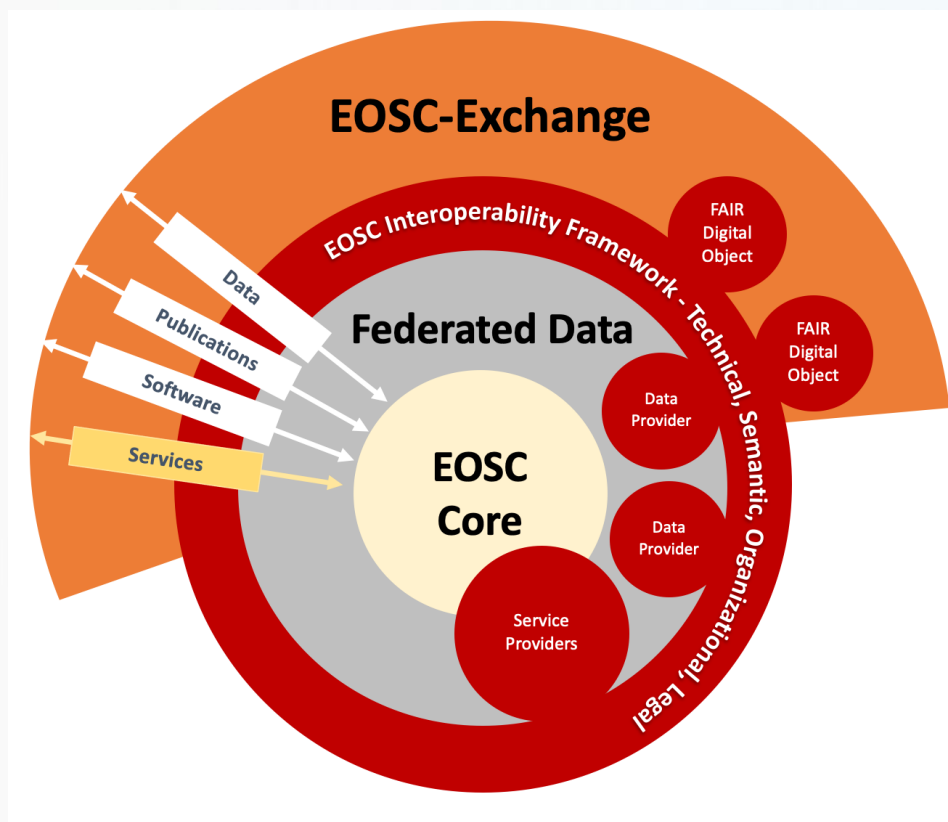
SRIA v.1.0 [eosc.eu/sria](https://eosc.eu/sria)

- Following **broad community involvement** in 2020, the EOSC Strategic Research and Innovation Agenda (SRIA) was finalised and shared with the member base in February 2021
- Overall purpose: **to define the general framework for future research, development and innovation activities in relation to EOSC**

SRIA v.1.1 will be published soon after the results of Multi – Annual Roadmap consultation and will drive the WP 2023-2024

# The Minimum Viable EOSC (MVE)

To enable multidisciplinary discovery & use



- A web of FAIR data and services
- Federation of eInfra and Research Infrastructures (RIs)
- Environment in which data can be brought together with services to perform analyses and address societal challenges



## Tasks for EOSC to become operational

- Develop and govern federating core
- Manage the AAI
- Manage PID policies
- Manage compliance framework
- Manage trusted certification
- Outreach to stakeholders
- Monitor services and transactions
- Manage the 'EOSC' trademark(s)
- Contribute to Horizon EU policy

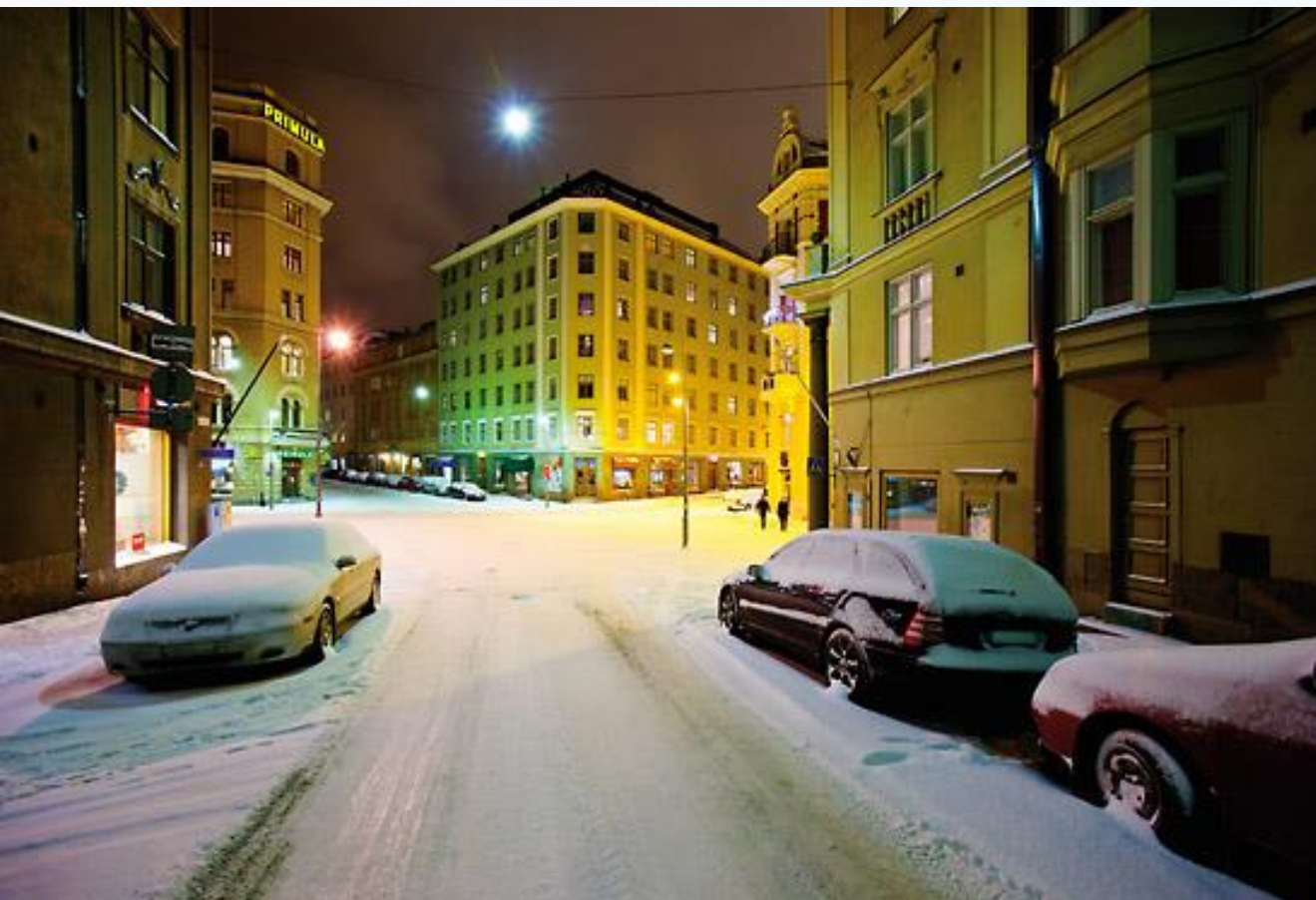




**The road ahead is long and winding!**



# Is this road crossing the EuroHPC one?



*Helsinki, Viiskulma, corner of five streets*

**Synergies with EuroHPC will stimulate the use of the high-performance computing capacity using FAIR data and federated infrastructures**

*EOSC European Partnership Proposal*

**Where to start?**

- **Access to HPC resources via EOSC (under which resource allocation model?)**
- **Interoperability of the infrastructures (AAI, data movement, etc.)**

**Let's co-create**

