

e-IRG NL Semester Workshop

Sovereignty and organisation of e-Infrastructures at European and National Levels

Session Chair: Stefan Hanslik, e-IRG Chair/AT

9. December 2025, 09:00 – 12:30 CET

SURF



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Reflection Group



- This **session will be recorded** and the recording may be accessed for summarisation or made available via e-IRG channels
- Please hand on or send your presentation **as early as possible**. Remote presenters please share your screen.
- Please keep your **microphone muted** unless the host gives you the virtual floor
- Please **keep the timing**
- Use the **Chat for questions** which will then brought forward to the moderator
- A **survey for feedback** will be prepared at the end
- You can **comment on Social Media [#eIRG](#)** hashtag or **send feedback to the e-IRG secretariat@e-irg.eu**

Vision: **facilitate integration in the area of European e-Infrastructures and connected services**, within and between member states, at the European level and globally.

Mission: support a/ **coherent, innovative and strategic European e-Infrastructure policymaking** and b/ **development of convergent and sustainable e-Infrastructure services**.

e-Infrastructure Commons



e-Infrastructure Commons is the political, technological, and administrative framework for an easy and cost-effective shared use of distributed electronic resources across Europe.

e-IRG outlines Europe's need for a single "**e-Infrastructure Commons**" for knowledge, innovation and science [**e-IRG Roadmap, 2012**] → Contribution to the creation of EOSC

e-IRG stresses the need for e-Infrastructure **coordination** at the national level and strong national building blocks, enabling coherent and efficient participation in European efforts [**e-IRG Roadmap, 2016**]

Role of National Nodes, in the implementation of the e-Infrastructure Commons and its instantiation as the European Open Science Cloud [**National Nodes, 2019**]

e-IRG addressing the **good practices of coordination** within and across e-Infrastructures and thematic Research Infrastructures [**White Paper 2021**]

e-IRG thematised the **coordination among the European e-Infrastructures** and the need for collaboration on various levels to realise the concept of the e-infrastructure Commons and its instantiation as the European Open Science Cloud [**White Paper 2022**] → Contribution to the creation of the e-Infrastructure Assembly

e-IRG addressing the **role of e-Infrastructures** for Research and Education and the need for sustainability [**Recommendations on EU e-Infrastructures 2024**]




Program Committee

- Ron Augustus, (NL, PC Chair)
- Stefan Hanslik (e-IRG PC co-Chair and e-IRG Chair)
- Alexander van den Hill (NL, PC co-Chair)
- Panos Agyrakis (GR)
- Volker Beckmann (FR)
- Sverker Holmgren (SE)
- Chris de Loof (BE)
- e-Infrastructure Assembly representatives from EGI, EUDAT and GEANT, contributed to the programme
 - Jos van Wezel, EUDAT
 - Dale Robertson-Tiziana Ferrari, EGI
- e-IRG Secretariat, Fotis Karayannis, Michael Maragakis, Bernd Saurugger

SURF Semester theme

- e-IRG organises two open workshops every year, usually under the auspices of the corresponding presidency of the EU Council
- This time it is organised by SURF as a hybrid event,
- Brings together e-Infrastructure stakeholders
- The event's overarching theme is: "**Sovereignty and organisation of e-Infrastructures at European and National Levels**"
- The workshop is an opportunity to review two latest e-IRG papers:
 - [Recommendations on European e-Infrastructures for Research and Education](#), published in 2024
 - The [e-IRG White Paper 2022](#) on the cooperation of e-Infrastructures, published in January 2023



Session 1

Sovereignty of e-Infrastructures at European and National Levels

Session Chairs:
Stefan Hanslik (e-IRG Chair), Ron Augustus (e-IRG co-Chair)

9. December 2025, 09:00 – 12:30 CET



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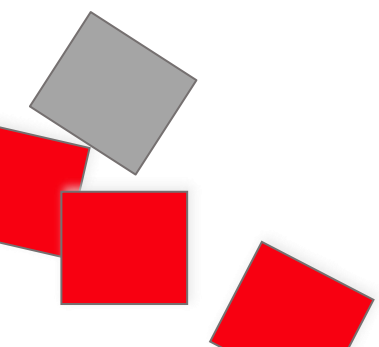


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Context



- Now that the global geopolitical landscape is shifting, the European Union has made strategic autonomy a central policy goal
 - i.e. the ability to safeguard its interests and policies without overdependence on external actors
- In a world marked by geopolitical tensions, supply chain vulnerabilities, and increasing demands for self-reliance, e-Infrastructures are at the heart of the discussion



Session overview

This session will explore:

- How European and national e-Infrastructures, providing connectivity, storage, processing, and (trans-)national access to scientific data, contribute to digital and scientific sovereignty
- The impact of evolving EU regulations and directives aimed at building resilience and autonomy
- The role of multidisciplinary collaboration across research, education, and innovation
- The importance of integrating research-based education to prepare the next generation of scientists and innovators
- The potential role of the e-IRG in this

The session will bring together perspectives from policymakers, infrastructure providers, and academia on how sovereignty can be achieved without undermining Europe's long-standing commitment to openness, collaboration, and scientific excellence

Presentations

European talks on EU Sovereignty

- EC view: DG Connect and DG RTD position statements
- EOSC-A and EOSC Steering Board views
- ESFRI view
- EuroHPC Governing Board view
- e-Infrastructure Assembly view

National and other stakeholder talks

- National experiences - SURF
- National experiences - Italy
- FAIR Digital Objects (FDO) Forum
- OpenAIRE - EU sovereignty in AI/LLMs

Panel discussion with speakers

Actors (1st session)



- Bertil EGGER BECK (DG RTD) & Peter SZEGEDI, (DG CNECT)
- Klaus TOCHTERMANN, EOSC-A & Giorgio ROSSI, EOSC SB
- José Luis MARTINEZ, ESFRI
- Rafal DUCZMAL, EuroHPC GB
- Yann Le Franc, EUDAT
- Harold TEUNISSEN, SURF, Netherlands
- Arnaud CEOL, ICSC, Italy
- Peter Wittenburg, FDO Forum
- Natalia MANOLA, OpenAIRE



Moderators of the Session/Panel:

- Stefan HANSLIK (e-IRG CHair)-Ron Augustus (e-IRG co-C

What's next for the afternoon



- **Session 2: Paradigms of e-Infrastructures – Different Approaches and Better Coordination** (after lunch break)
- **Visit to NIKHEF** (during afternoon coffee break)
- **Dinner Amsterdam downtown**
 - Note that a one-way bus has been organised to take on-site participants to the restaurant downtown -(Brasserie van Speyk, Spuistraat 3a, Amsterdam)
- Slides will be available on the Indico agenda page,
- Recordings to be published in the [e-IRG YouTube](#) Channel
- Further questions and comments via email to secretariat@e-irg.eu

<http://e-irg.eu> - subscribe to the e-IRG mailing list, [@eirgeu](#) [#eirg](#)



e-IRG Workshop during the NL Semester Session 2: Paradigms of e-Infrastructures – Different Approaches and Better Coordination

Session Chairs: Ron Augustus-Stefan Hanslik
9. December 2025, 13:30 – 17:15 CET



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- **Organisation of e-Infrastructures at national level and coordination at European level**
 - National e-Infrastructures (e.g., NRENs, National Computing Centres, National Open Science Initiatives/national EOSC nodes and National Data Service centres) all share the overarching mission of providing a robust digital foundation for education, science, and innovation.
 - Yet, their organisational models and portfolios are increasingly diverse. Some countries have adopted a more centralised approach (i.e. “full stack” approach), offering a comprehensive range of services from networking and computing to data and trust infrastructures.
 - Others deliberately focus on specific components such as networking, computing or data/open science, leaving complementary elements to other organisations.
 - Interactions among e-Infrastructure components are also vital for the end users, and how these connections play out at both, the national and pan-European levels.

Session overview

This session will explore:

- the different paradigms shaping national e-Infrastructures
- the cooperation level at European level among major European horizontal (i.e. generic or domain agnostic) e-Infrastructures
 - e.g., GÉANT, EGI, EOSC, EUDAT, EuroHPC, OpenAIRE and PRACE,
- as well as between thematic Research Infrastructures/e-Infrastructures and generic ones
- and provide insights into how different organisational models impact service delivery, interoperability, and Europe's collective ability to support world-class research and innovation.

The session will bring together perspectives from national and EU policymakers, horizontal and thematic infrastructure providers, and academia to reflect on how better coordination can be achieved for the benefit of the users.

Session overview (2)

Topics to be discussed include:

- National level:
 - What are the strengths and weaknesses of centralised versus distributed/ multi-actor models in national organisations?
 - How do national strategies influence the balance between centralisation and diversity?
 - What lessons can be drawn from countries where multiple organisations coexist, each serving a part of the research and education landscape?
- European level:
 - What is the level of coordination among the EU horizontal e-Infrastructures? And what is the e-Infrastructure Assembly progress and has it contributed to better overall coordination for the benefit of end users?
 - What is the level of coordination among the horizontal (domain-agnostic) EU e-Infrastructures and thematic (domain-specific) Research Infrastructures /e-Infrastructures?

Presentations

National paradigms:

- SURF, Netherlands, centralised model
- Germany, decentralised model
- Latvia, new model

European coordination and other efforts:

- EC plans towards a coordinated e-Infrastructure ecosystem
- GEANT involvement in EOSC and EuroHPC
- CSC - The EuroHPC Federation Platform and link with EOSC AAI
- EGI Future Strategy on computing for sciences

Actors (2nd session)



Speakers

- **Thijs VAN DER HORST** (SURF, Netherlands)
- **Ilja AFANASJEVS** (VPC, Latvia)
- **Axel WODRICH** (BMFTR, Germany)
- **Peter SZEGEDI** (EC/DG CNECT)
- **Klaas WIERENGA** (GÉANT)
- **Per ÖSTER** (CSC, Finland)
- **Tiziana FERRARI** (EGI)

Moderators of the 2nd Session:

- **Stefan HANSLIK (e-IRG CHair)-Ron Augustus (e-IRG co-Chair)**



What's next



- **Visit to NIKHEF** (during afternoon coffee break)
- **Dinner Amsterdam downtown**
 - Note that a one-way bus has been organised to take on-sites participants to the restaurant downtown -(Brasserie van Speyk. Spuistraat 3a, Amsterdam)

The e-IRG Workshop during the next semester (Cyprus EU presidency) is not yet fixed!

- **Effort will be made to attach it to the ESFRI Forum meeting (22-23 June)**
- **Possibly 24 June - More info to come**
- Slides will be available on the Indico agenda page,
- Recordings will also be published
- Further questions and comments via email to secretariat@e-irg.eu
- Evaluation form to be circulated later on

<http://e-irg.eu> - subscribe to the e-IRG mailing list - [@eirgeu](https://twitter.com/eirgeu) [#eirg](https://twitter.com/eirg)

Acknowledgement



The e-IRG Workshop is organised by SURF with the support from the e-IRG delegations, the e-Infrastructure Assembly and the e-IRG secretariat, in particular:

- Fotis Karayannis
- Michael Maragakis
- Bern Saurugger
- Jan Wiebelitz
- Also, Eleni Sotiropoulou from ATHENA (badges)

