

# WG Infrastructure CompSys Winter Workshop

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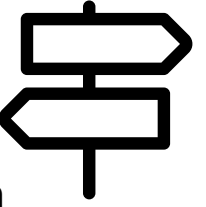
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*Perspective from SURF*  
*But we are kicking off the WG*

# | Priorities in the coming year



- Alignment with the procurement of the national infrastructure AI Factory and Snellius Next. Align with the EuroHPC Exascale supercomputer
- Share, operationalise and improve best practices in energy management and energy-efficient computing
- Further experiment and business case with cloud bursting, effectively making use of the computing continuum
- Support the common AAI stack across services, adhering to the common EU standard for seamless access across national and EU access
- Deploy cloud-native converged infrastructure in the next, able to perform well on batch and containerised workloads from both HPC, Cloud, and HTC communities.
- Harmonising Applications, Compute and Data Department in the new SURF Directorate: Advanced Solutions for Research (~150 FTE)
- Improving usability and expertise in research communities
- Prepare for the new SURF strategy post 2027

# Innovation focus

From resource provisioning to workflow provisioning: Application First approach for accelerated discovery



- Enabling & accelerating large-scale, complex end-to-end workflows and scientific applications
- Focus on AI enablement, adoption into scientific workflows through platform capabilities
- Explore, test and integrate QC systems into HPC (Hardware and software)
- Support of technical POCs with SURF Experimental Technology Platform
- Enabling effective use of accelerators through abstraction layers (e.g., automatic code porting, automatic differentiation and use of Hybrid precision, etc)
- Facilitate connection of Tier-2 / Tier-1 / EuroHPC systems
- Seamless data management, storage and access
- Developing the capability to process sensitive data as a generalisation, as a component (e.g., TREs)
- A “Commons” approach for Co-design of Digital Infrastructure for Scientific Research - Sovereignty, Resiliency, Utility for Science
- Structural collaboration and cooperation with RIs, TDCCs and DCCs (also with Research Partnership Leads)

# | Events, Conferences and Forums



- ICT Open 2026
- ETP4HPC
- EuroHPC Summit and User Days
- SC Asia
- International Workshop on HPC infrastructure, Osaka-Japan
- ISC (International Supercomputing Conference, Germany)
- SC (Supercomputing Conference, US)
- ACUD, 2026
- SURF Research Day 2026
- .. Many more

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