Luisa MONTI, ABD

EURO

Welcome!

The event starts at 9.30 CEST

ETP 4 HPC

EUROPEAN TECHNOLOGY PLATFORM FOR HIGH PERFORMANCE COMPUTING

EURO

From Edge computing to HPC: EuroCC and CASTIEL meet ETP4HPC

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EuroCC

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Mission:
Set up 33 National Competence Centres (NCCs)

In the fields:

- High-Performance Computing (HPC)
- High-Performance Data Analytics (HPDA)
- Artificial Intelligence (AI)

Participating countries (33)
Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Montenegro, Netherlands, North Macedonia, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey, United Kingdom

Supported by **CASTIEL** (Coordination and Support Action)

EuroCC

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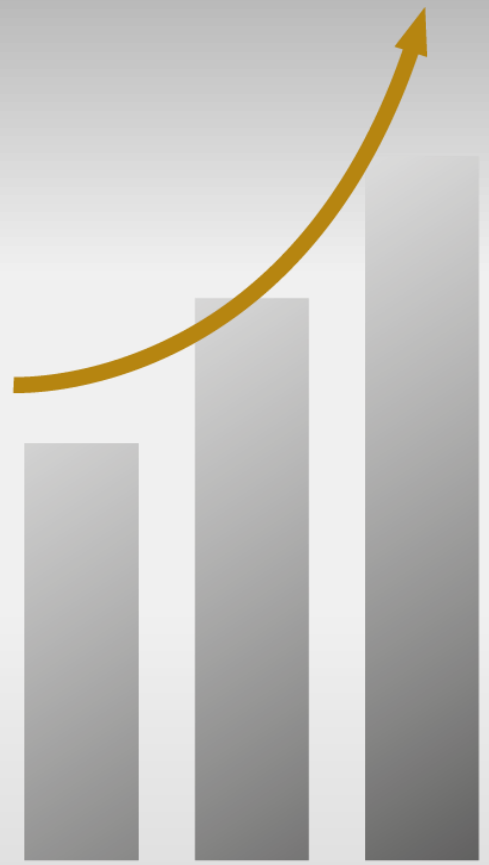
Goals

- provision of a **broad service portfolio** tailored to the needs of industry, academia and public administrations
- **Catalogue and increase national HPC competences**, High-Performance Data Analytics (HPDA) and Artificial Intelligence (AI) capabilities



EuroCC

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Ambitions

- Establish each NCC as a **single point of contact** towards the world of HPC in the respective states and the EU
- At the end of the projects, all NCCs will **deliver innovative services and show a clear improvement** of their overall structure and handling of users

CASTIEL

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Mission:
Support and Connect the NCCs

Participating countries (5)
Belgium, France, Germany, Italy, Spain

CASTIEL sets the framework of activities that support the evolution of each single National Competence Centre (NCC) and enable them step by step to get closer together in terms of capabilities and expertise.

CASTIEL will take the role of a single and central reference point at the European Level to coordinate and support the National Competence Centres.

CASTIEL

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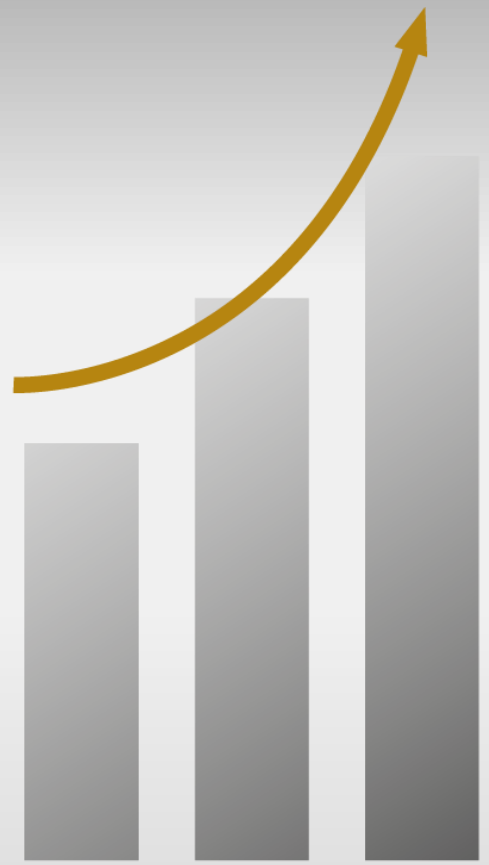
Goals

- Provide a European excellence baseline by **closing existing gaps**
- Provide mechanisms for **exchange and support** between the NCCs
- **Support** the NCCs with material and mechanisms



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Ambitions

- Becoming a Pan-European **network enabler** of NCCs all over Europe
- **Fostering development** of the participating countries with measures within EuroHPC

AGENDA OF TODAY

Luisa MONTI, ABD

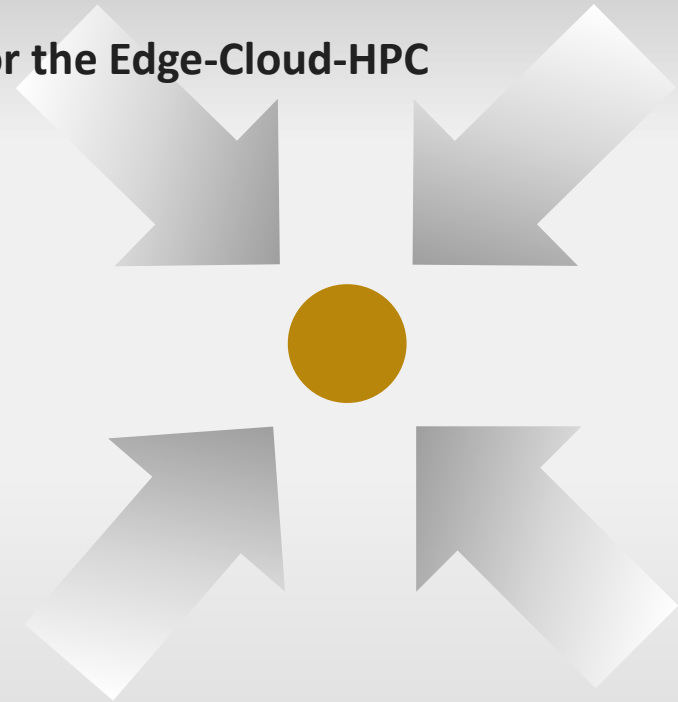
09.30 – 09.40 Welcome and introduction by ETP4HPC and EuroCC + Castiel
By Michael Malms, ETP4HPC & Luisa Monti, Castiel

09.40 – 10.00 White paper: "Towards Integrated Hardware/Software Ecosystems for the Edge-Cloud-HPC Continuum"
By Gabriel Antoniu (Inria) - Hans-Christian Hoppe (SCAPOS)

10.00 - 10.20 Industries as users of HPC - what are the challenges
By Sai Narasimhamurthy, Seagate

10.20 - 10.30 The "TransContinuum Initiative"
By Michael Malms, ETP4HPC

10.30 - 11:00 Restricted to EuroCC & ETP4HPC: Interactive Q&A sesssion
Moderated by Venkatesh Kannan, NCC Ireland & Sven Karrlson, NCC Denmark



Thank you for your attention!

EuroCC: This project has received funding from the European High-Performance Computing Joint Undertaking (JU) under grant agreement No 951732. The JU receives support from the European Union's Horizon 2020 research and innovation programme and Germany, Bulgaria, Austria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Greece, Hungary, Ireland, Italy, Lithuania, Latvia, Poland, Portugal, Romania, Slovenia, Spain, Sweden, United Kingdom, France, Netherlands, Belgium, Luxembourg, Slovakia, Norway, Switzerland, Turkey, Republic of North Macedonia, Iceland, Montenegro

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CASTIEL WP2: castiel-workpackage2@lists.projects.hlrs.de