



EURO

Bastian Koller, HLRS

Why Competence Centres?



- Diversity of established mechanisms in each European and associated nation to support HPC/HPDA/AI usage by
 - Academia
 - Public Administration
 - Industry
- Maturity levels within each European Nation differs as well
 - Depending on the national programs and strategies
- Challenge:

Bringing together the diversity of approaches, expertise and stakeholders, as well as the maturity on national levels, by maximizing synergies between the different European Nations to further strengthen the European HPC Ecosystem!

EUROCC – Setting up the National Competence Centres

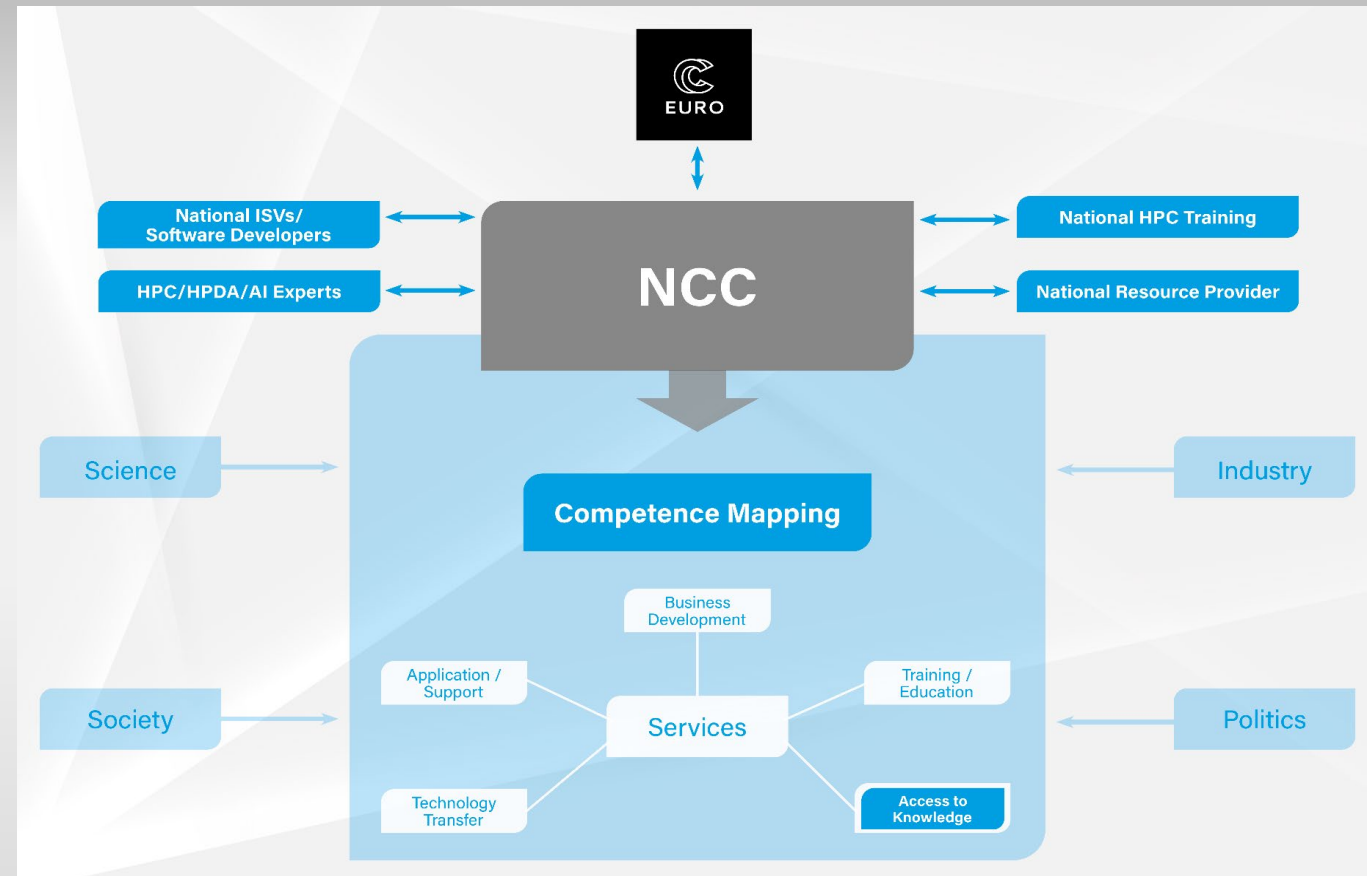


- EuroCC to set up National Competence Centres (NCCs)
 - taking into account the different levels of maturity and the different available tools and mechanisms within each nation
- Similar setup for each NCC to allow for better overview and management of the overall activity
- Commonalities in terms of aims, as identified at the preparation of the concept:
 - Training and Skills Development
 - Technology Transfer/Business Development
 - Industrial Collaboration
 - Competence Mapping
 - Facilitation of access to scientific and technical expertise and knowledge pools
 - Awareness Creation

Facts and Figures



- Research and Innovation Action (RIA), 24 months duration
 - 36 main participants , 33 nations
- Started: 01/09/2020
- <https://www.eurocc-project.eu/>
- LinkedIn: EuroCC
- Twitter: @EuroCC_project
- 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



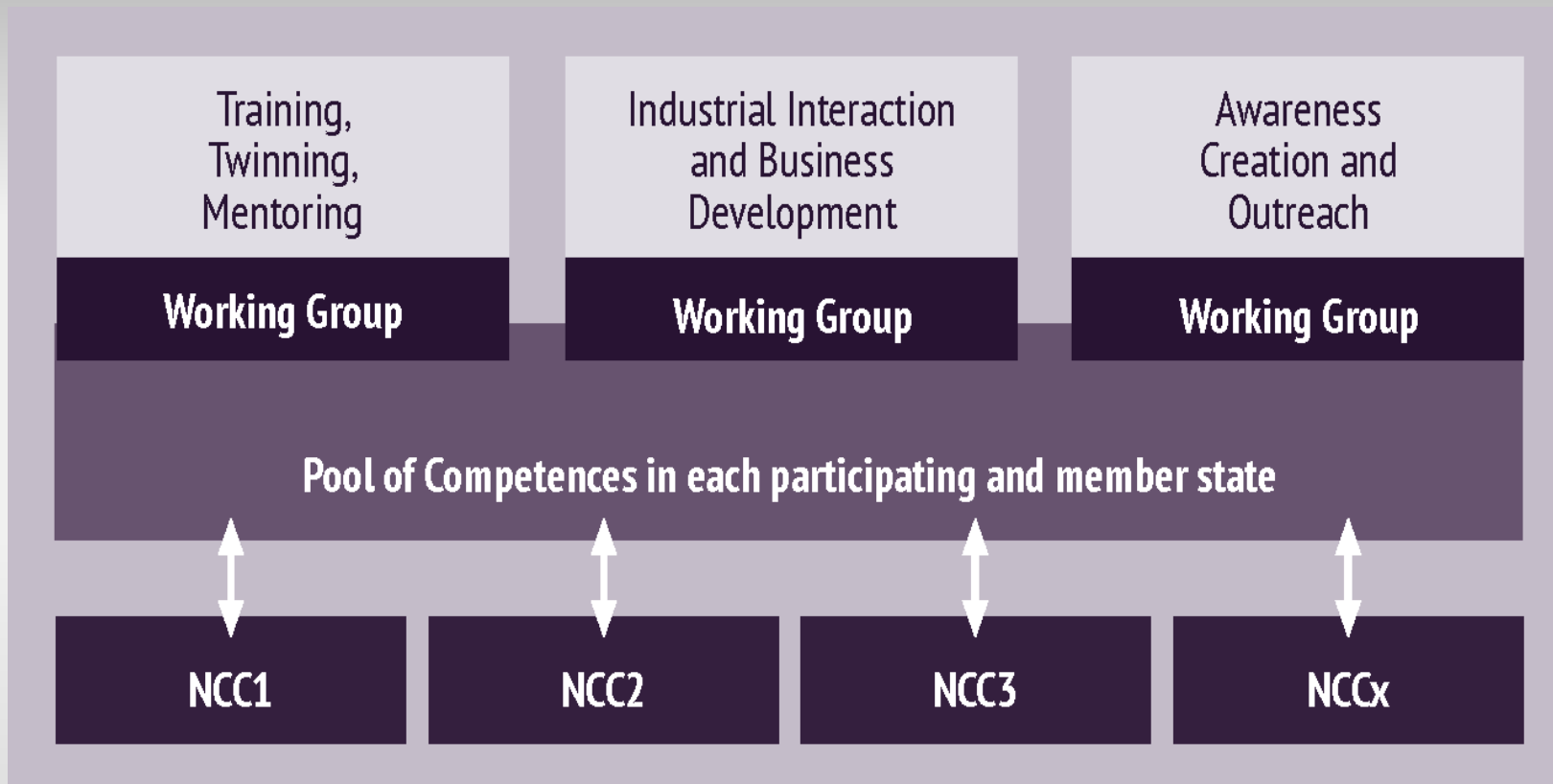
From National to European Level

CASTIEL – Addressing the European Level



- Coordination & Support Action
 - Started 01/09/20
 - <https://www.castiel-project.eu/>
 - LinkedIn: CASTIEL, Twitter: @CASTIEL_project
 - Integration of the NCCs in the choice and definition of workshops on common topics of interest
 - Training, Twinning, Mentoring
 - Industrial Interaction and Business Development
 - Awareness Creation and Outreach
 - Elaboration on best practices to strengthen the NCCs
- } via Working Groups

CASTIEL and EuroCC



The overall picture

(work in progress)



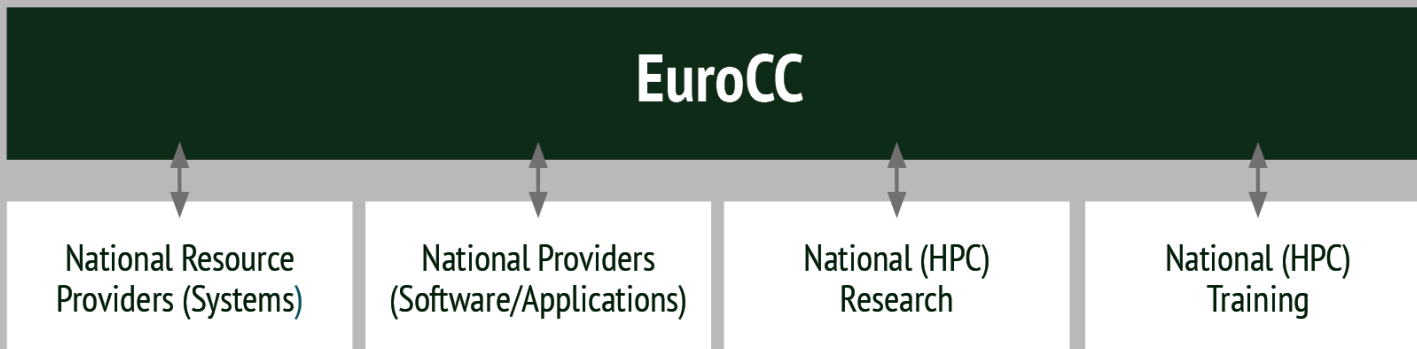
European Level

European Peta, Pre-Exa and Exascale Systems	European Exascale Developments	ET4HPC	HPC-GIG	Others (e.g. EGI, BDVA)
European CoEs (Domain Driven)	EXDCI	FocusCoE	PRACE (including PTC)	FF4EuroHPC



CASTIEL

National Level



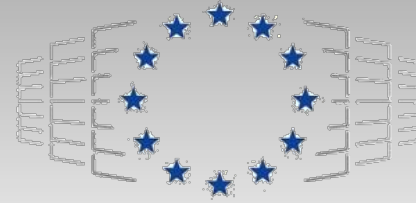
Open Call 1
(Submission Deadline: Jan 27th 2021, 17:00 CET)

- Expected duration of participation: 15 months, expected commencement 1. June, 2021
- The indicative total funding budget is € 3 M.
- Maximum funding request per proposal: € 200,000 (covering all participants)





Thanks!



EuroHPC
Joint Undertaking

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

CASTIEL: This project has received funding from the European High-Performance Computing Joint Undertaking (JU) under grant agreement No 951740. The JU receives support from the European Union's Horizon 2020 research and innovation programme and Germany, Italy, Spain, France, Belgium

FF4EuroHPC: This project has received funding from the European High-Performance Computing Joint Undertaking (JU) under grant agreement No 951745. The JU receives support from the European Union's Horizon 2020 research and innovation programme and Germany, Italy, Slovenia, France, Spain



QUESTIONS?

Email: koller@hirs.de