

SCAI SuperComputing Application & Innovation CINECA

Sanzio Bassini (CTO) – September 2019

CINECA at a glance

CINECA is a **Consortium of Universities**, founded in 1969 by (MIUR) to support scientific research **CINECA is a not-for-profit organization**

Members:

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- 67 Italian Public Universities
- 9 Institutions (Anton Dohrn, CNR, CREA, INAF,

INDIRE, INFN, INRIM, INVALSI, OGS)



1 Hospital (Policlinico Umberto I)

In-house provider:

- Supervised by MIUR
- 🧭 No private capital
- 80% of activities towards Consortium members
- 🥖 20% Technology Transfer
- O Annual Budget: 100M€
- Employees: 700











Activites and Funding (in Millions of Euro)

		European Commission	Partecipating States	Total	Private Member
Infrastructure Acquisition Operating machines	Pillar 1	270	290	560	
Research & Innovation Applications & Skills	Pillar 2	206	186	392	422
JU Admin/Running costs)	10	10	20	

Cineca - SuperComputing Applications & Innovations



Presentation

June 10, 2019









Leonardo Consortium for pre-exascale HPC



- Italy assured full co-funding for the project, 50% coming from EC
 Total cost of ownership of Leonardo: 120 + 120 Mln euro
- Commitment for the creation of a regional ecosystem focusing Central South East Europe;
- Full partnership with Slovenia, Hungary, Slovakia, Austria
- Available for synergies and cooperation with any other interested country

Cineca HPC RoadMap



EuroHPC,

www.cineca.it

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CINECA

The persistence need for more powerful computational resources





HPC & Data Processing are a knowledge accelerator: the more the better!

The progress of modern scientific research itself leads to an ever-increasing need for computational capacity as an inevitable consequence.