



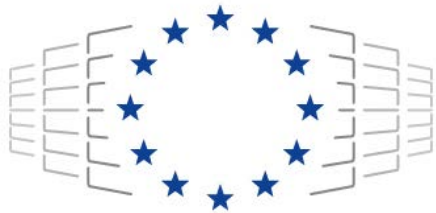
EuroHPC
Joint Undertaking

EuroHPC RIAG

Research & Innovation Advisory Group

EuroHPC Summit Week 2019
Poznan, May 14, 2019

The EuroHPC Joint Undertaking



EuroHPC
Joint Undertaking

<https://eurohpc-ju.europa.eu>

A legal funding entity

- 28 Participating States + EC
- Site: Luxembourg
- Budget (2019-2020): ~1.4 B€
Operational: 11/2018 to 2026

- **Joint procurement: top machines for Europe!**
- **Competitive HPC/Big Data Ecosystem**

EuroHPC JU Participating States

Austria, Belgium, Bulgaria, Croatia, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and Turkey.



The EuroHPC Governance

Intelligence gathering

Decision making & Advice

Implementation

Stakeholders

[academia, industry]

- Users forum
- Technology forum

Governing Board

Public Members

The decision making Board

Industrial & Scientific Advisory Board

Research & Innovation
Advisory Group



Infrastructure
Advisory Group

HPC machines

R&I activities

PRACE activities

GEANT activities

...



**EUROPEAN
TECHNOLOGY
PLATFORM
FOR HIGH
PERFORMANCE
COMPUTING**

95 Members

36 SMEs

38 Research

Organisations

4 European Companies

14 Global Companies

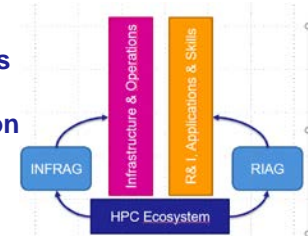
(steady growth)



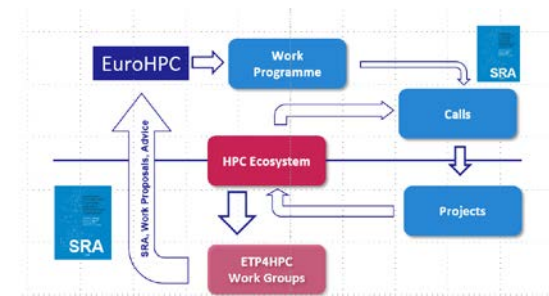
EuroHPC
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Leadership of EuroHPC's
RIAG

"Research and Innovation
Advisory Group"
(together with BDVA)



Preparation and Maintenance of a
STRATEGIC RESEARCH AGENDA (SRA)



ETP4HPC Working Groups
Events
Networking

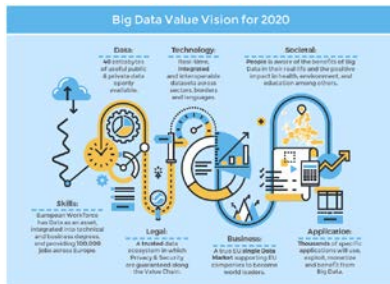


2014



2019

Launch of the Big Data Value PPP
PPP projects start 2017

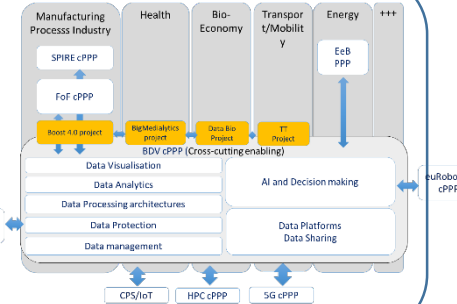


Towards an AI Partnership

43 running projects (2019) (+more starting soon)
200 members (20% LE, 30% SMEs, 50% research)
In 2017:

- Over 1B€ Private investments mobilized
- 38 innovations developed
- 280 experiments/use cases
- 26 large scale experiments involving many different data types

Big Data Value PPP



EuroHPC Joint Undertaking (PPP) Shaping Industrial applications

RIAG



EuroHPC
Joint Undertaking

Members	
Tomi	Ilijaš
Catherine	Lambert
Thomas	Lippert (**)
Elisa	Molinari
Kenneth	Ruud
Mateo	Valero
Axel	Auweter 
Carlo	Cavazzoni 
Jean	Gonnord 
Thomas	Hahn 
Jean-Pierre	Panziera (*) 
Maria S.	Perez 

Observers	
Mario	Kovac
Luis	Silva
Joost	VandeVondele
Erik	Lindhäl
Marek	Michalewicz
Stefanie	Lindstaedt 
Björn	Hovstadius 
Isabella	Weger 
Katarina	Slaninova 
Hugo	Falter 

(*) Chair, (**) Vice-Chair

Building a competitive Ecosystem

R&I Calls 2019-2020

Work in progress

	> 250 M€	> 380 M€	
	2018 H2020 & CEF Calls	2019 JU Calls	2020 JU Calls
HPC Technologies (HW, SW, Applications)	EPI Phase 1 (80 M€, H2020)	Extreme scale technologies > 100 M€ SW codes and HPC-BD testbeds	EPI Phase 2
	HPC - BD testbeds (90 M€, H2020)		Pilots towards Exascale
	CoE (72 M€, H2020)	CoE (20 M€, H2020)	INCO (0.5 M€, H2020)
Widening the HPC use + HPC Skills	Public Open Data (15 M€, CEF)	HPC Competence Centres, ~58M€	
		Support to SMEs 10 M€	

from Multi-Annual Strategic Research Agenda to Work-Plan

RIAG discusses and adopts multi-annual SRA



JU drafts work plan based on multi-annual SRA



Governing Board discusses and adopts work plan



Publication of work plan (*)

(*): Workplan 2019 to be published June/July2019

✓ Work Plan 2019

- Work Plan 2020

- **“The EuroHPC mission and strategy for the next decade”**

Long-term EuroHPC vision to 2030 on R&I that will support the EuroHPC Regulation from 2021 – preparing for HorizonEurope (FP9) programme 2021-2027