Update on EuroHPC

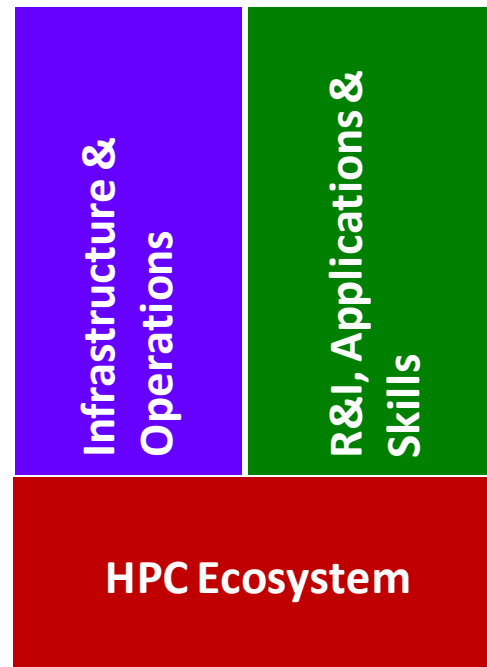# https://eurohpc-ju.europa.eu/

The EuroHPC Joint Undertaking

A legal and funding agency

- **29 Participating States + EU**
- **Site: Luxembourg**
- **Budget (2019-2020): ~1.5 B€ (536 M€ from EU)**

Mission: Establish an integrated world-class supercomputing & data infrastructure and support a highly competitive and innovative HPC and Big Data ecosystem

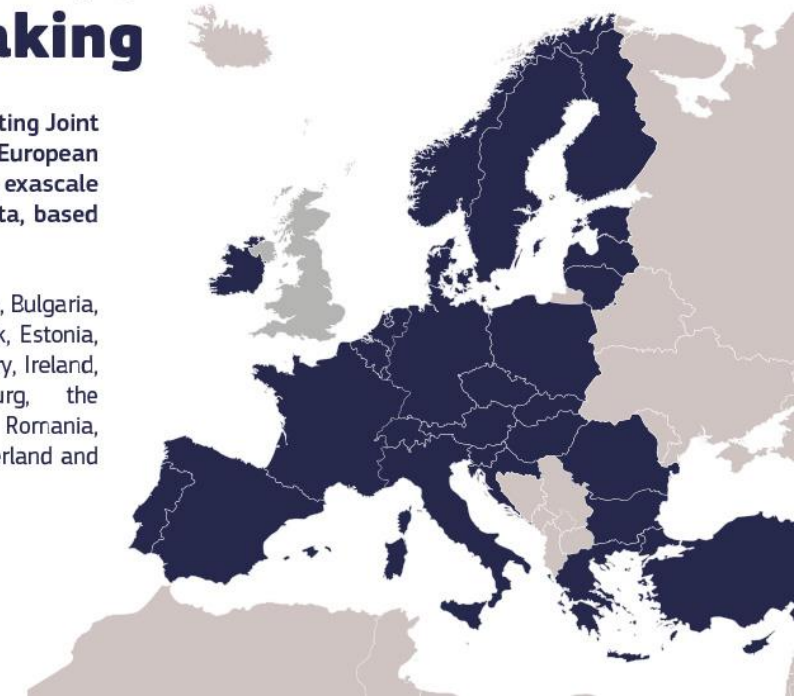**Activities for the HPC ecosystem:**

- **Infrastructure + Operations**
- **R&I + Applications & Skills**

Infrastructure & Operations

R&I, Applications & Skills

HPC Ecosystem

#EuroHPC *(high performance computing)*
Joint Undertaking

The European High Performance Computing Joint Undertaking (EuroHPC JU) will pool European resources to develop top-of-the-range exascale supercomputers for processing big data, based on competitive European technology.

Its member countries are Austria, Belgium, Bulgaria, Croatia, Cyprus, 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.

EuroHPC
Joint Undertaking
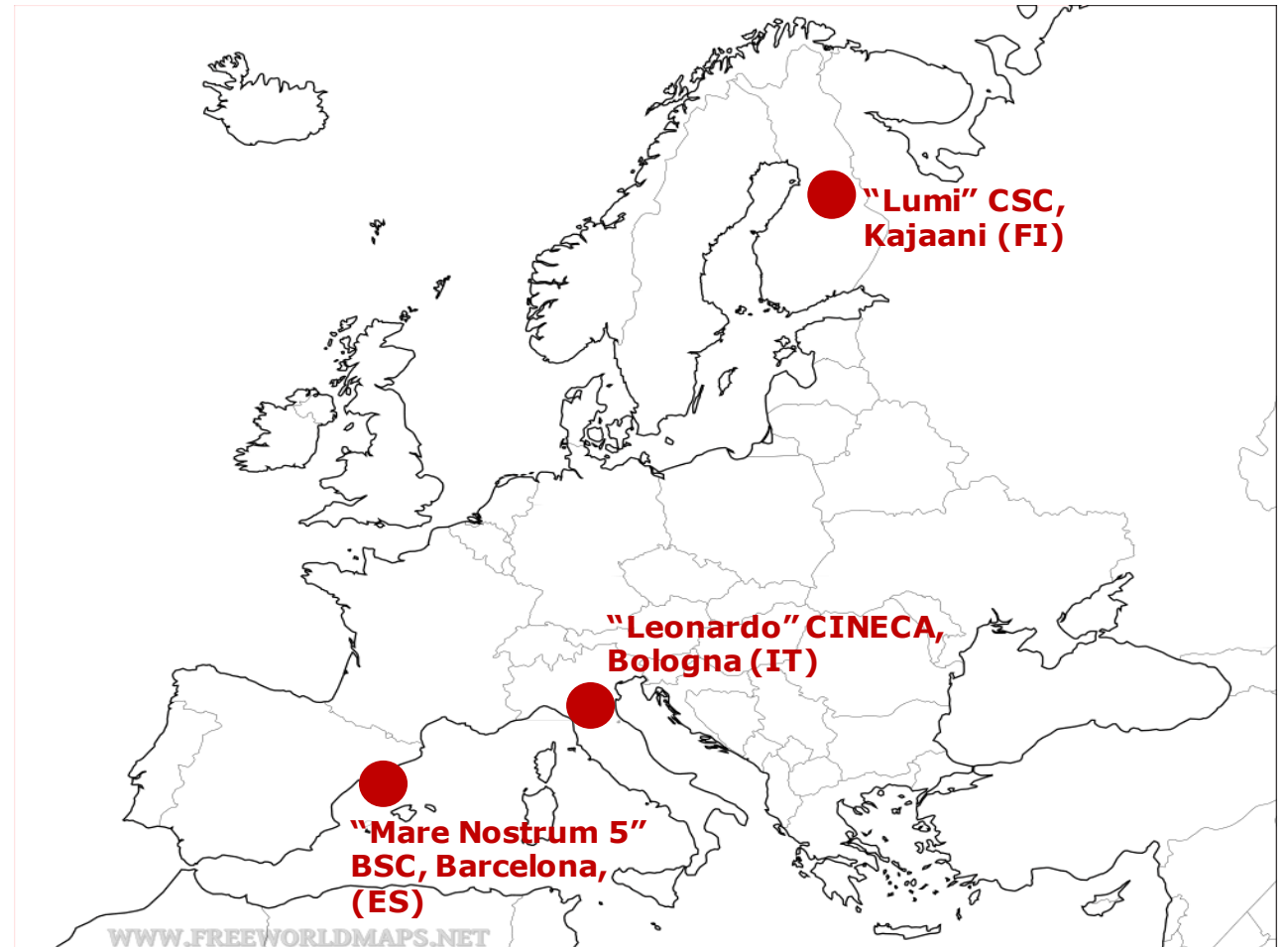
Pre-exascale Procurement
Competitive dialogue timeline (draft)

EuroHPC Governing Board approved budget on 3/10 – decision on launch of procurements expected mid-October

1. Phase 1 - Selection Stage
   - October – December 2019
2. Phase 2 – Dialogue
   - January – April 2020
3. Phase 3 – Tendering
   - April - June 2020
4. Award (tentative)
   - July 2020
5. Installation (tentative)
   - October 2020
6. Acceptance test (tentative)
   - December 2020

"Lumi" CSC, Kajaani (FI)

"Leonardo" CINECA, Bologna (IT)

"Mare Nostrum 5" BSC, Barcelona, (ES)

WWW.FREEWORLDMAPS.NET
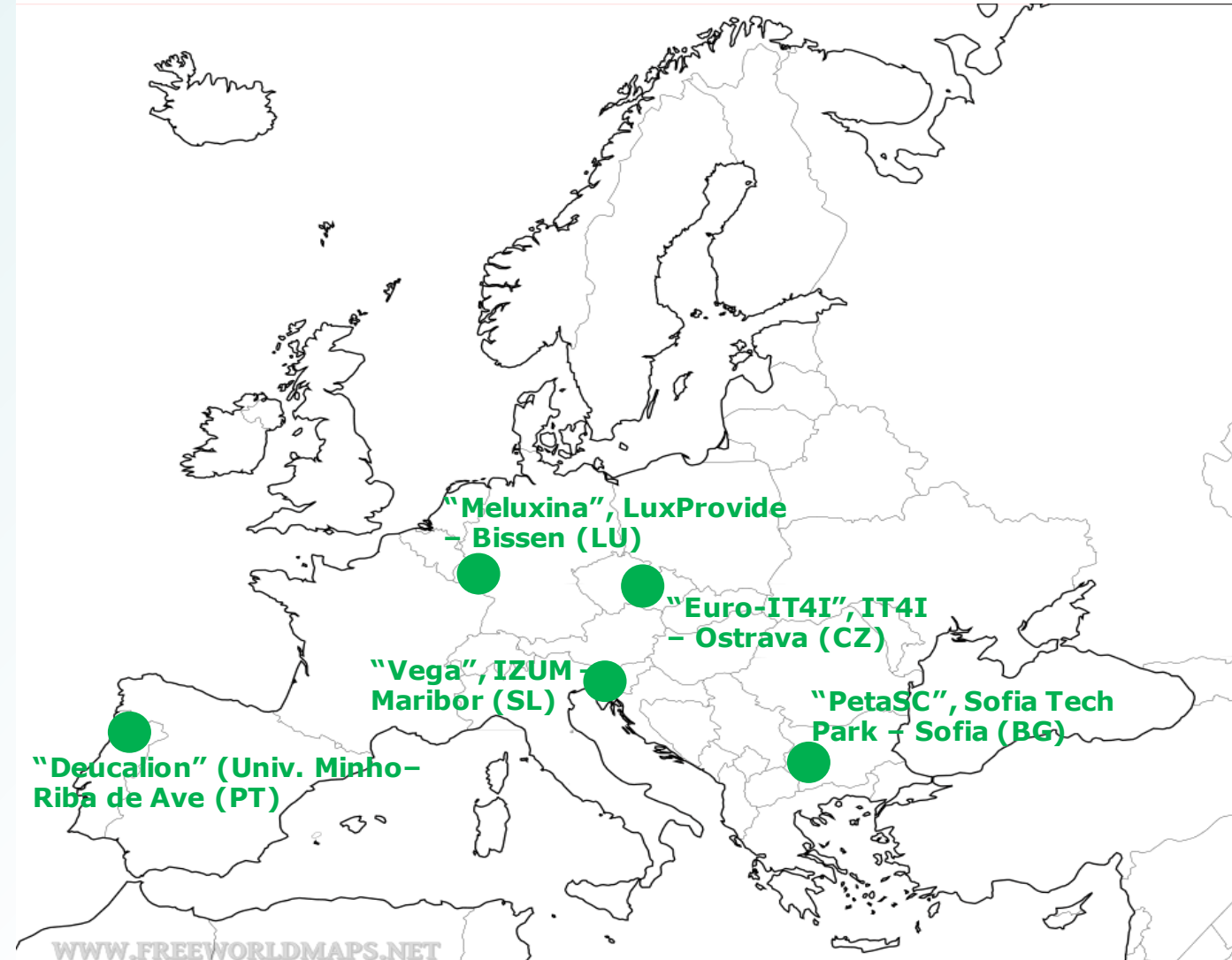
Petascale Procurement Timeline (draft)

EuroHPC Joint Undertaking

Pending decision of the EuroHPC to launch the procurements by end 2019

Different types of procedure (open/competitive dialogue) and timing depending on the site

1. Publication of procurements
   - Between November 2019 – January 2020
2. Award (tentative)
   - February – May 2020
3. Operations (tentative)
   - Q4 2020

"Meluxina", LuxProvide – Bissen (LU)

"Euro-IT4I", IT4I – Ostrava (CZ)

"Vega", IZUM – Maribor (SL)

"PetaSC", Sofia Tech Park – Sofia (BG)

"Deucalion" (Univ. Minho– Riba de Ave (PT)

WWW.FREEWORLDMAPS.NET

EuroHPC Calls for Research & Innovation in 2019 (1/2)

Call "Towards Extreme Scale Technologies and Applications"

H2020-JTI-EuroHPC-2019-1

EU Budget: 55 million EUR

Opening: 25 July 2019 - Deadline: 14 Jan 2019

Extreme scale computing and data driven technologies
RIA - EuroHPC-01-2019

RIA - EuroHPC-01-2019

HPC and data centric environments and application platforms
IA - EuroHPC-02-2019

IA - EuroHPC-02-2019

Industrial software codes for extreme scale computing environments and applications

IA - EuroHPC-03-2019

EuroHPC Calls for Research & Innovation in 2019 (2/2)

Innovating and Widening HPC use and skills base

H2020-JTI-EuroHPC-2019-2

EU Budget: 40 million EUR
Opening: 25 July 2019 - Deadline: 14 Nov 2019

HPC Competence Centres

RIA - EuroHPC-04-2019

HPC Competence Centres Coordination & Support Action

CSA - EuroHPC-04-2019

Stimulating the innovation potential of SMEs

RIA - EuroHPC-05-2019