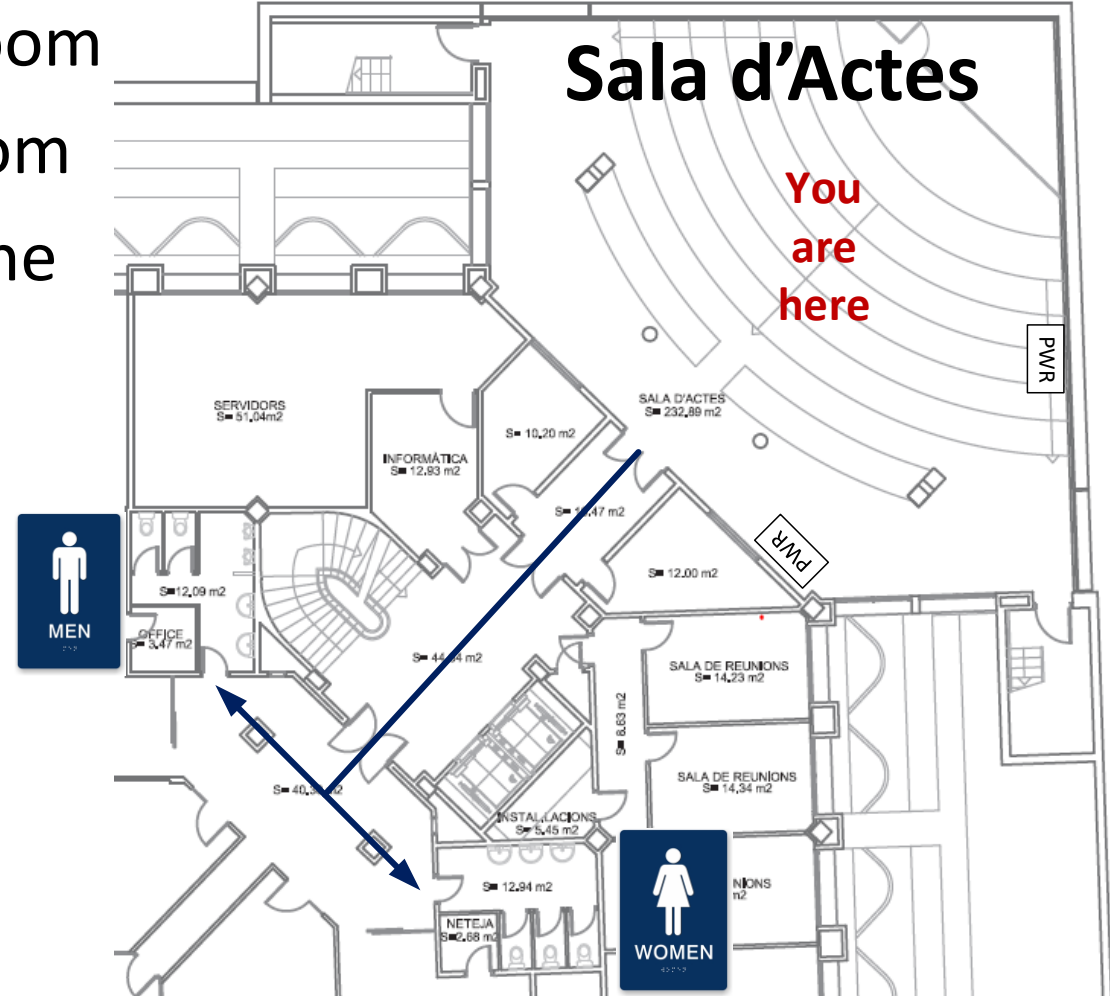# Overview

- Goals
- Logistics
- Program

Summit Goals

- Bringing together European HPC Centers, EuroHPC, EC, and Industry
- Start the conversation about EU HPC Digital Sovereignty
- Understand where we are today with 4 use cases
  - Automotive, Life Science, Engineering & Weather/Climate
- Discuss what we need for the future with these 4 use cases
- General discussion about the future of EU HPC
- Start to define the future roadmap
- Rinse and Repeat

https://www.bsc.es/news/events/barcelona-build-vs-buy-hpc-summit-3b4hpc

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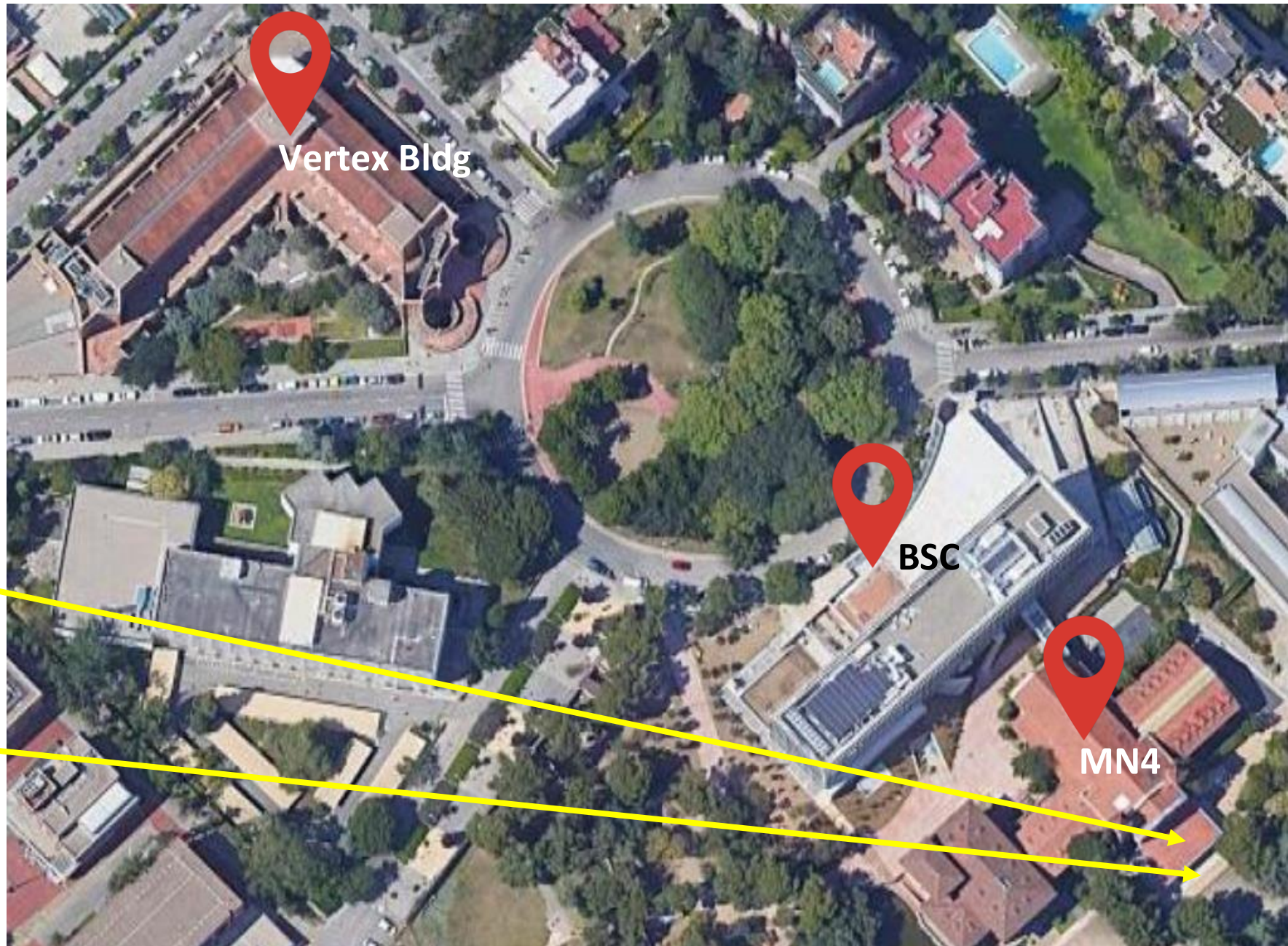Centro Nacional de Supercomputación

Vertex Building Details

- Most of the program is located in this room
- Power is in the back and sides of the room
- Bathrooms are to the left and right on the other side of the stairs
- Breaks will be outside in the garden (up, out and down the stairs)
- WiFi
  - SSID: **3B4HPC**
  - Password: **Barcelona2022***
- **Room locked at lunch**

Sala d'Actes

You
are
here

PWR

SERVIDORS
S=51.04m2

INFORMÀTICA
S=12.93 m2

SALA D'ACTES
S=232.89m2

S=10.20 m2

S=12.00 m2

S=12.09 m2

MEN

OFFICE
S=3.47 m2

S=44.4 m2

SALA DE REUNIONS
S=14.23 m2

SALA DE REUNIONS
S=14.34 m2

INSTAL·LACIONS
S=5.45 m2

S=40.3 m2

S=12.94 m2

NETEJA
S=2.68 m2

WOMEN

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Thursday Morning Agenda

Vertex Bldg

BSC

MN4

Lunch Today

Group Photo

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Thursday Afternoon Agenda

Time	Title	Speaker(s)
15:00 to 16:00	Automotive SW/HW Stack **"Automotive/Engineering requirements on Hardware and Software - Today and Future"**	Bastian Koller and Andreas Wierse (HLRS)
16:00 to 17:00	Weather SW/HW Stack **ECMWF Part 1: operational models: Simulations in a data-rich environment (Thomas Geenen)** **ECMWF Part 2: Predicting trends to support Weather and Climate forecasts (Christine Kitchen)**	Christine Kitchen and Thomas Geenen (ECMWF)
17:00 to 17:15	Break	LOCATION: Vertex Garden
17:15 to 18:15	Industry Panel	Jean Marc Denis (Sipearl), Emmanuel Le Roux (ATOS) , Utz-Uwe Haus (HPE), Phil Thierry (Intel) , Gabriele Paciucci (Nvidia)
18:15 to 19:00	Shuttle pick up at Vertex - Travel to MNAC Museum	
19:00 to 20:00	MNAC Museum Tour/ Free Time	LOCATION: MNAC Museum Tour
20:00 to 22:00	Dinner @ Oleum MNAC Museu Nacional Art de Catalunya	LOCATION: Oleum MNAC Museu Nacional Art de Catalunya
22:30-	Shuttle pick up @MNAC - Travel to BSC HQ + Hotel Abba Garden	

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Tour & Dinner @ the Museum

- Leaving Vertex @ 6:15 PM

- Coat check at Oleum for any items

- Tours ~7- 8 PM (pick one)
  - Modern Art (https://www.museunacional.cat/en/new-display-modern-art)
  - Medieval Romanesque Art (https://www.museunacional.cat/en/collections/medieval-romanesque-art)

- Dinner from 8 - 10 PM Oleum

- Magic Fountain from 9:30 - 10:30 PM
  - Should have a good view from the restaurant, please use caution if you see it up close.
  - https://www.barcelona.cat/en/what-to-do-in-bcn/magic-fountain

- Ride back to BSC or Hotel @ 10:30 PM (boarding starts at 10:15 PM)

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Friday Morning Agenda

Time	Title	Speakers
9:00 to 9:30	Introduction/Recap	John Davis (BSC)
9:30 to 10:00	EPAC SiPearl and EPI : **"How a European Research and Innovation project has become a successful industrial story"**	Jean-Marc Denis (Sipearl)
10:00 to 10:30	EPI GPP: **"RISC-V "accelerator" in EPI**	Jesús Labarta (BSC)
10:30 to 11:00	Quantum Computing in EU **"Towards EuroQCS – the European Quantum Computer and Simulation infrastructure"**	Kristel Michielsen (Juelich)
11:00 to 11:30	Break	LOCATION: Vertex Garden
11:30 to 13:00	HPC Center HW Panel	Alfonso Valencia (BSC), Bastian Koller (HLRS) , Chris Kitchen (ECMWF), Estela Suarez (Jülich)
13:00 to 14:30	Lunch	LOCATION: Vertex Garden

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Friday Afternoon Agenda

Time	Title	Speakers
14:30 to 16:00	Panel on Future HPC Systems (HW & SW)	Satoshi Matsuoka (RIKEN), Mateo Valero (BSC), Thomas Lippert (Jülich), Jean-Philippe Nominé (CEA)
16:00 to 16:30	Break	LOCATION: Vertex Garden
16:30 to 18:00	Discussion, Wrap Up, next steps…	BSC leads discussion
18:00 to 20:00	Dinner at BSC	LOCATION: BSC Foyer Capella Marenostrum 4
20:30	Shuttle pick up @BSC - Travel to Hotel Abba Garden	

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Thank you

- Organizing Committee:
  - Rosa Badia, Jose Ramon Calvo, Lourdes Cortada, Fabrizio Gagliardi, Sergi Girona, Thomas Lippert, Natasa Przulj, Elisenda Rasero, Nuria Saavedra, Andrea Sansano, Thomas Schulthess, Mateo Valero

- Helpers (in the blue BSC shirts):
  - Teresa Cervero, Elias Perdomo, Angela Salom

- Who to Blame ☺
  - John D. Davis

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Thank you

john.davis@bsc.es

WiFi
SSID: 3B4HPC
Password: Barcelona2022*