

Manifattura Technopole «*The new Data Valley Hub*»



**First Region in Italy
for EU Regional
Innovation Scoreboard**

The regional network of Technopoles

11 Technopoles

23 Locations

104 Laboratories

*industrial research and
innovation Centres and
Labs*

>1500

Researchers



Manifattura Technopole: Developing within «the Tek District»



Regione Emilia-Romagna

TEK DISTRICT

210 hectares of Urban Redevelopment

«LA VIA DELLA CONOSCENZA»

RENDERING BY ARUP



DIGITAL INNOVATION VILLAGE (by Arup)
Research, Private Companies, Housing



NORTH PARK REGENERATION (by Arup)
50 HA Public park, Leisure & Entertainment

TECNOPOLO MANIFATTURA LEADING KEYPLAYERS

ART-ER – Attractiveness, Research, Territory

ECMWF – European Centre for Medium-Range Weather Forecasts

UNIBO – Alma mater studiorum - University of Bologna

CINECA – Universities consortium

INFN – National Institute for Nuclear Physics

INAF – National Institute of Astrophysics

CMCC – Euro-Mediterranean Centre on Climate Change

ENEA – National Agency for New Technologies, Energy and Sustainable Economic Development

IFAB – International Foundation Big Data and Artificial Intelligence for Human

LEPIDA – Networks, Data, Digital services

ITALIA METEO – Italian Agency for Meteorology and Climatology

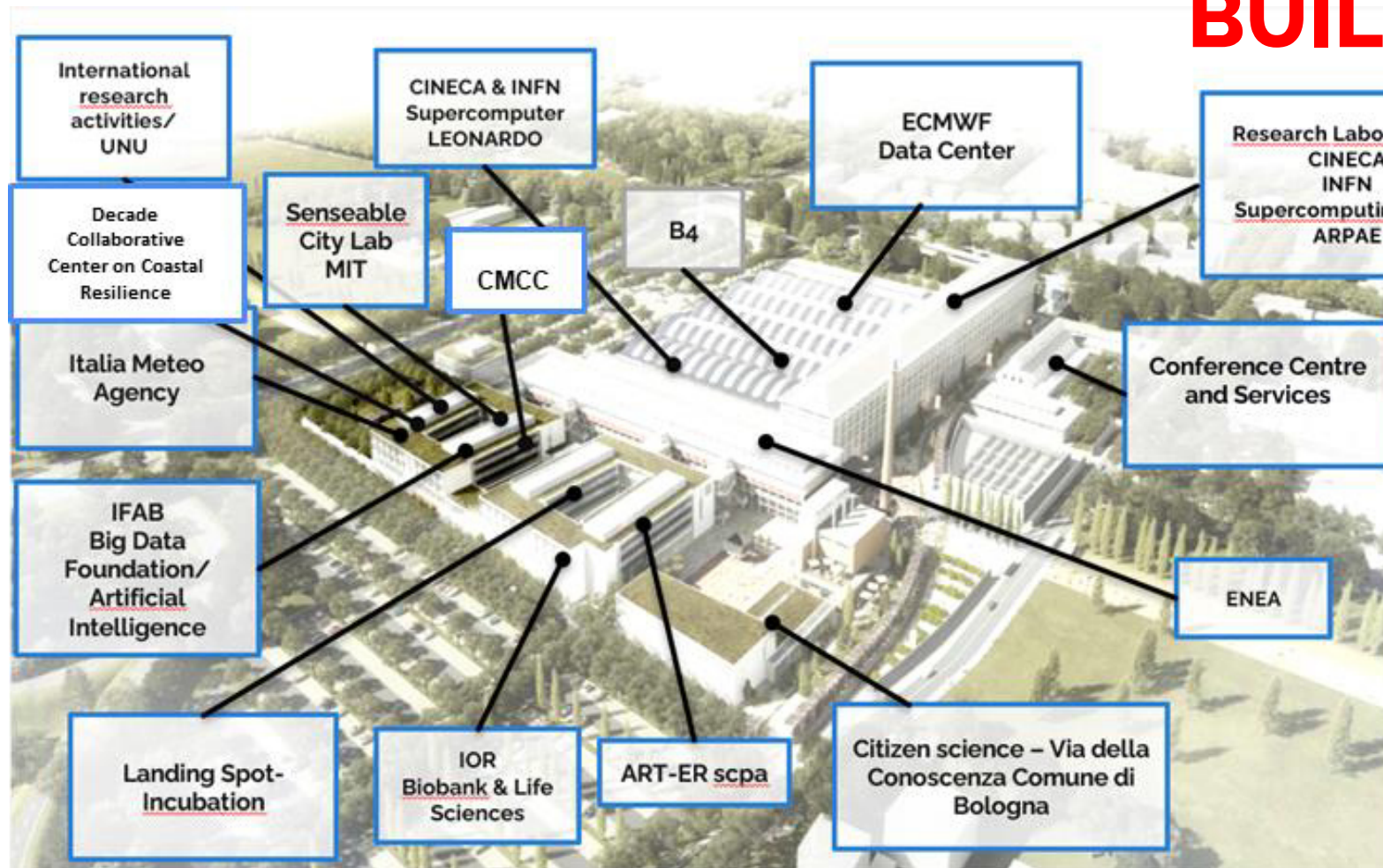
Development

UNU – *United Nations University*



REGIONE EMILIA-ROMAGNA – MUR – MAECI

BUILDING LOTS



Universities, Research Centers, Laboratories, Incubators, Innovative Companies

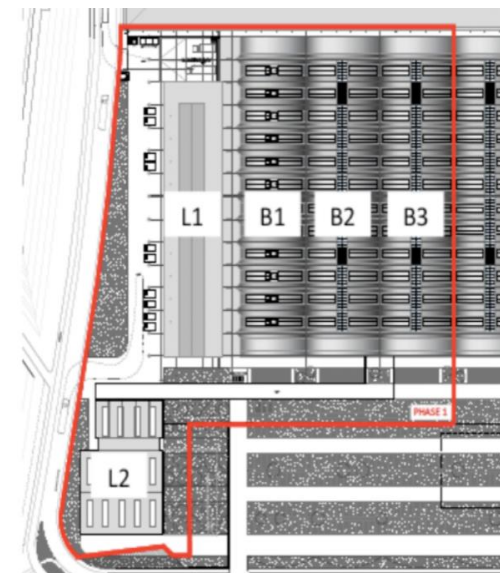
Data Center ECMWF (2019/2021)

DELIVERED!



- 20,500 square meters of total area
 14,000 square meters of built-up area consisting of:
- recovery of the B1 – B2 – B3 Barrel Sheds
 - L1 building recovery for Drups and imp. Electric
 - new L2 building, for mechanical systems n° 2 underground tunnels

COVID: the site that never sleeps...

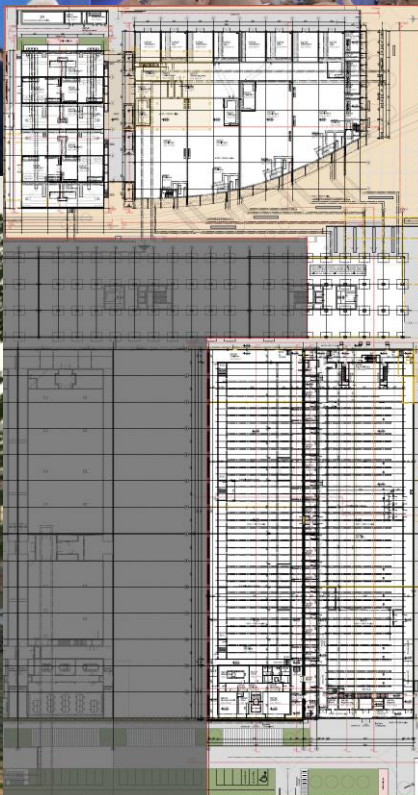


Top 50 HPC in the world

- 12,000 KM of data processed per day
- -800ML of data reception signals

Data Center CINECA – INFN 2020/2022

DELIVERED!



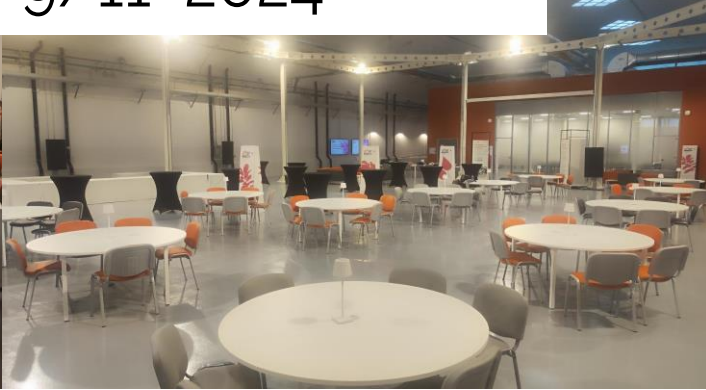
6° TOP HP in the world

B4 CONFERENCE & MEETING Hub

DELIVERED!



KICK OFF
G7 ITALY SCIENCE & RESEARCH
July 9/11 2024



WORK IN PROGRESS TODAY



LOTTO 5 – BUILDING F2

United Nations University
Climate Change and Oceans Studies

LOTTO 1 - BUILDINGS F1 – C1

- **Headquarters ENEA**
- **Headquarters ART ER**



WORK IN PROGRESS



Headquarters of the new European infrastructure CINECA "AI FACTORY"



THANK YOU !