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participants.

# 6G-SANDBOX 1<sup>st</sup> Open Call



## New Infrastructures and Functionalities

EUCNC info session  
June 7<sup>th</sup> 2023

# About 6G-SANDBOX



6G-SANDBOX targets to become a key facility of the emerging European 6G experimentation ecosystem

- Realizing the concept of Trial Networks & validating 6G KPIs and KVIIs
- With interconnected experimental facilities in Athens, Berlin, Malaga, and Oulu
- Open for facility extension and wide interactions

# 6G-SANDBOX Open Calls



- Ability to engage without funding at any time!
- Total budget: 1,790,000€ for 3 calls
- ~35 third parties expected to participate
- General timing (tentative) planning
  - 1<sup>st</sup> Open Call for New Infrastructures and Functionalities (540K€)
    - Ongoing, deadline on 3 July 2023
  - 2<sup>nd</sup> Open Call for Experimentation and (eventually) New Infrastructures (540K€)
    - Opening November 2023, deadline January/February 2024
  - 3<sup>rd</sup> Open Call for Experimentation (710k€)
    - Opening summer 2024, deadline end of 2024

# Open Call 1 Timeline & steps

- Submission deadline: **3 July 2023, 17:00 CET**
- Feasibility check
  - Proposers are encouraged to verify the feasibility of the planned implementations until 23 June 2023, 17:00 CEST
  - To do so, a brief description of planned implementation must be sent to [opencalls@6g-sandbox.eu](mailto:opencalls@6g-sandbox.eu)
  - Otherwise, feasibility check will be performed right after the submission deadline
- Submission
  - Must be done through the online submission portal
  - The mandatory proposal template must be used
  - Proposers must provide Declaration of Honor
  - Proposal language: English
- All information and links are available at <https://6g-sandbox.eu/opencall/open-call-1/>

# Available Funding and Eligibility

- Maximum amount of financial support for each third party is 60,000€
  - if justified, the proposer can request higher amounts
  - A consortium (three or more participants) can request up to 180,000€
  - Contribution to the third-parties will be 90% (for-profit organization) or 100% (not-for-profit organization) of the declared costs
- Total of 540,000€ is available for this Open Call
- Main eligibility rules
  - Eligible countries: According to the rules from General Annexes to Horizon Europe for the Work Programme 2023-2024
  - Proposers' organizations can submit multiple proposals, but only one proposal per organization might be selected for funding
  - The 6G-SANDBOX project beneficiary organizations are not eligible to participate in this open call

# Evaluations

- Evaluations by independent experts,
  - Experts cannot be from the 6G-SANDBOX consortium
- Evaluation criteria
  - Impact (threshold = 3, weight 2)
    - value for extension and readiness of the 6G-SANDBOX facilities for experimentation
  - Innovation and technology (threshold = 3, weight 2)
    - innovativeness and technological value of the proposal
  - Implementation (threshold = 3, weight 1)
    - quality of methodology and of proposed participants

# Ranking

- Ranking of the proposals will be done in accordance with the overall scores
- When scores are equal, prioritization will be based on other characteristics - to be decided by the panel of evaluators
- Further specific conditions of the Call
  - The proposals (ranked above the threshold) will be selected to cover as many identified call topics as possible
  - Further priority will be given to close to equal utilization of the 6G-SANDBOX facilities

# Participation of Successful Proposals



- Decision on proposals to be funded is expected during August 2023
- The proposer's organization will be contracted by the project as a third party
  - Agreement is available at <https://6g-sandbox.eu/opencall>
- Start of the planned work in September 2023 – to be completed in February 2024
- Support after the completion of the work
  - All functionalities and extensions must be made available to experimenters during the rest of the project duration
  - All functionalities and extensions are seen as building blocks that may require maintenance until the project end

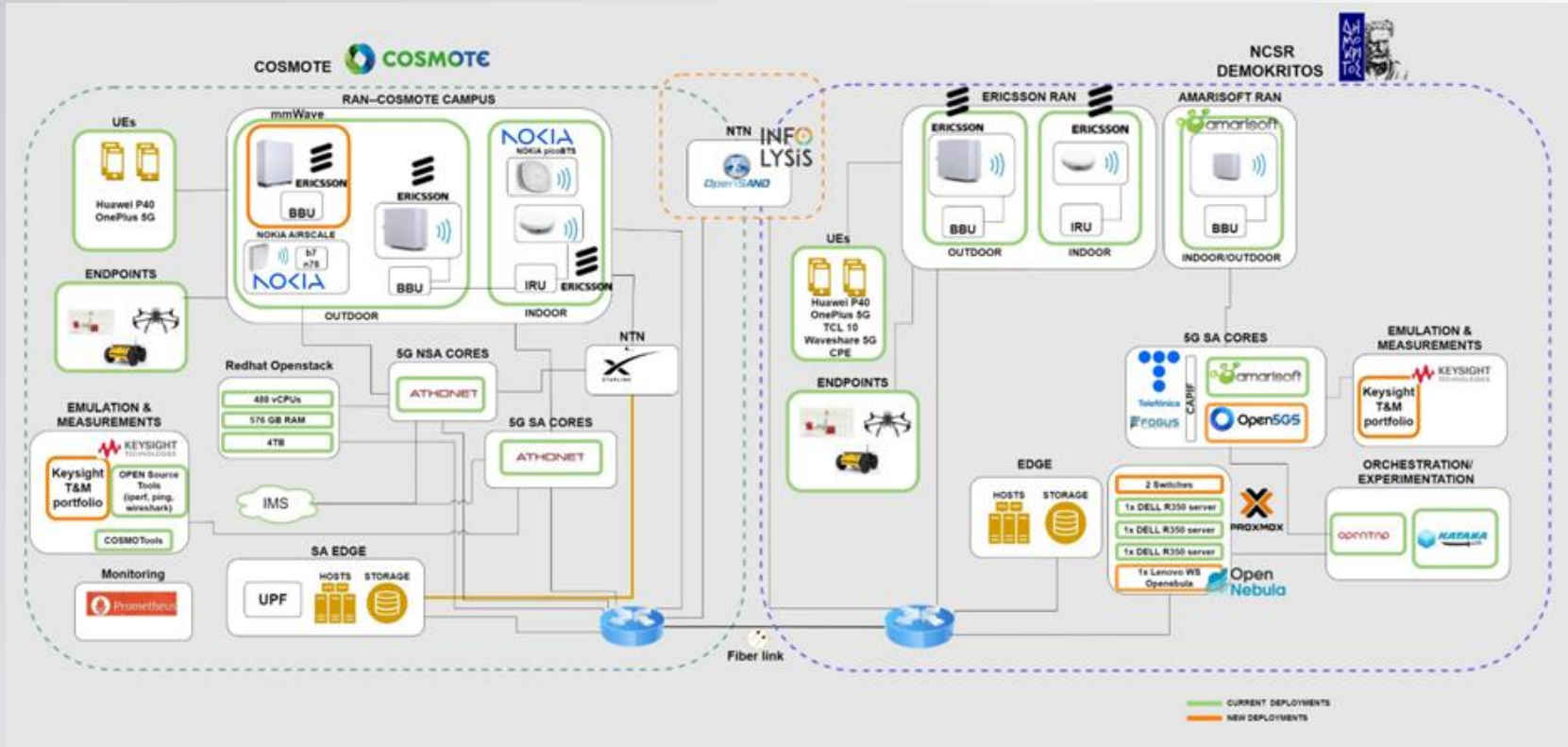


# The Open Call Objectives

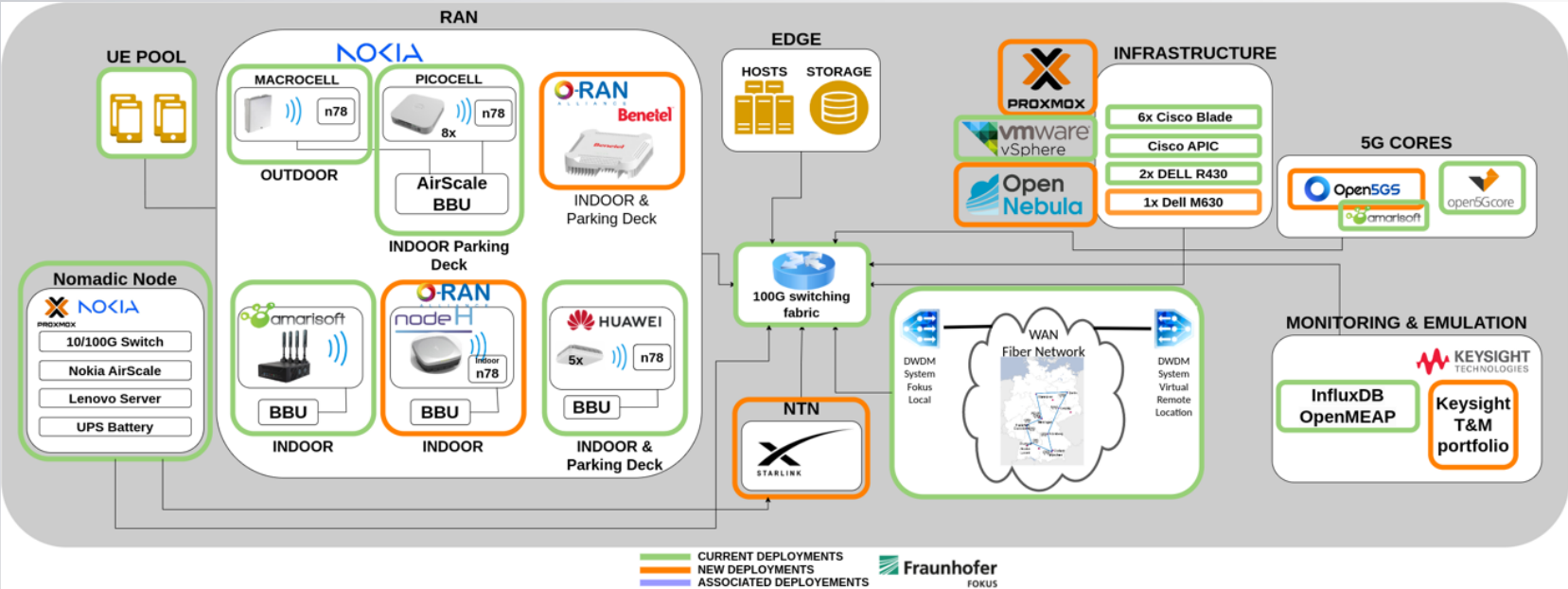
## To enlarge and make the 6G-SANDBOX infrastructure ready for experimentation

- Looking for the following extensions:
  - AI Extensions of the 6G-SANDBOX NEF emulator
  - Integrating LoRaWAN in the 6G-SANDBOX connectivity infrastructure
  - Adding NWDAF Capabilities 6G-SANDBOX Testbeds
  - Adding NEF Capabilities to the 6G-SANDBOX Testbeds
  - Inclusion of Release 16 Devices
  - Location information capability
  - Integrated Sensing & Communication (ISAC or JCAS) to save energy
  - Expanding the 6G-SANDBOX testbed capabilities with additional ORAN solutions
  - Advanced Channel modeling capabilities for 6G to augment the 6G-SANDBOX testbed
  - Multilink backhaul management
  - Augmenting 6G-SANDBOX with Terahertz communication capabilities
  - RAN extensions towards 6G RAN with new xApps
  - Expand the 6G-SANDBOX with validated Digital twin performance for realistic deployments
  - Technology for use cases in Internet of Sense
  - Expanding the 6G-Sandbox testbed With Content Distribution Networks for Quality of Experience
  - Expanding 6G capabilities and/or experimenting with the 6G capabilities
  - ... as well as further topics of community interest.
- 6G-SANDBOX facilities description is available at <https://6g-sandbox.eu/pilot-6g-sites/>  
<https://6g-sandbox.eu/wp-content/uploads/2023/06/OC1-Technical-Information.pdf>

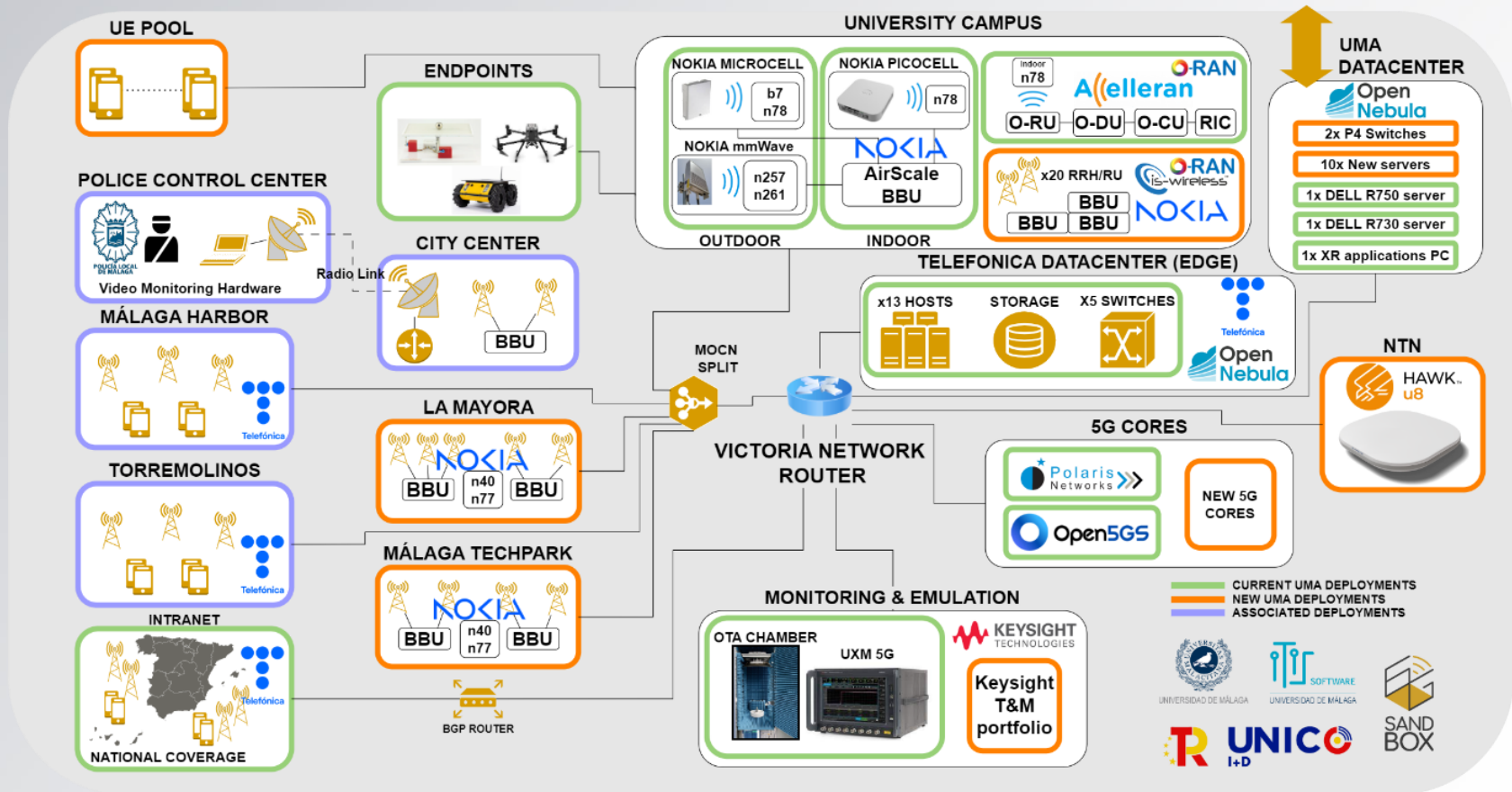
# Athens Platform



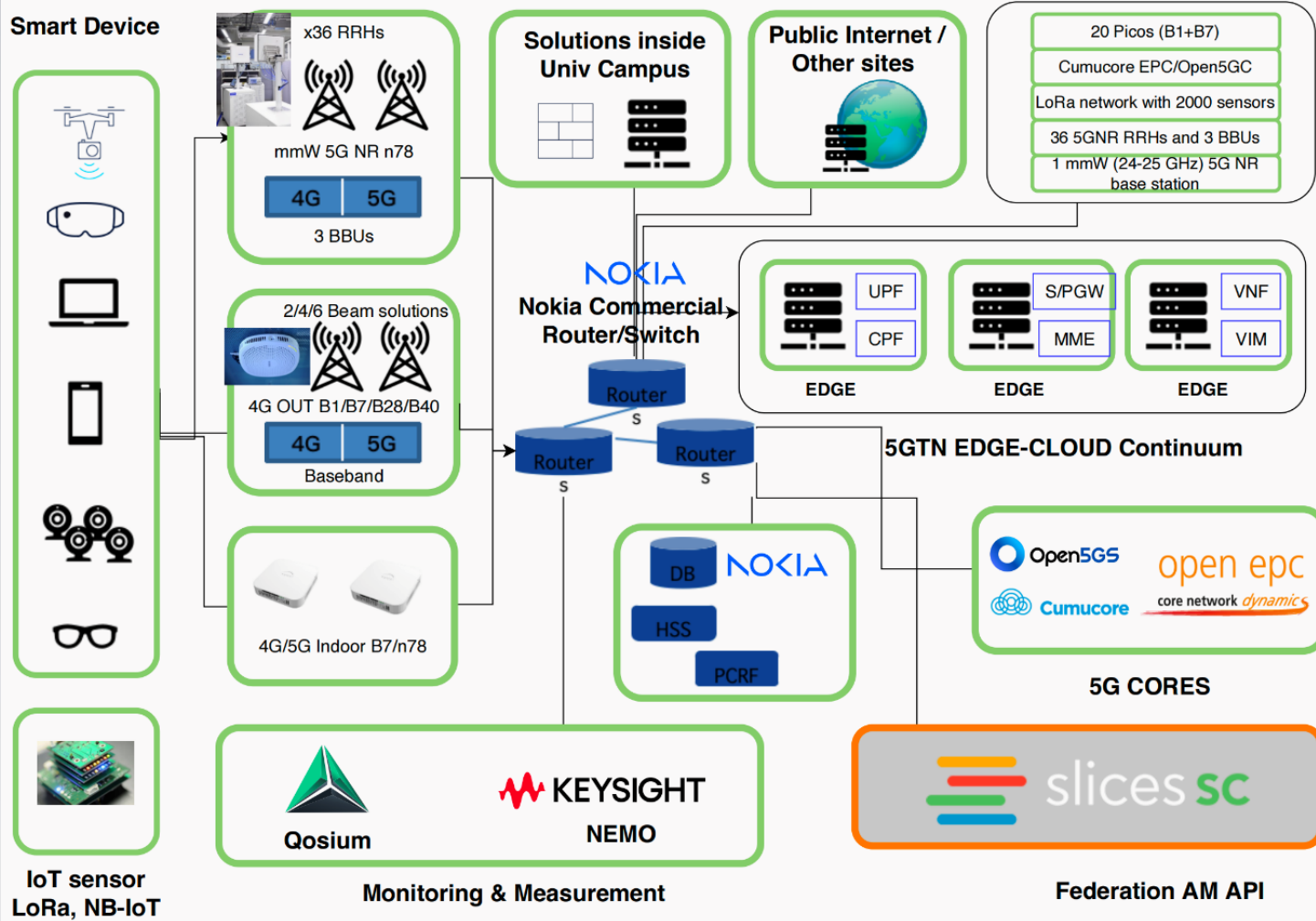
# Berlin Platform



# Malaga platform



# Oulu platform



# Other important technical aspects



- Verify the list of measurement capabilities to build upon
- Requirements on virtual environments, OS
- API / Interfaces: CAPIF
- Licenses
- Hardware requirements

# Thank you for your attention!!

Short break to grab lunch (10 min)

Contact: [opencalls@6g-sandbox.eu](mailto:opencalls@6g-sandbox.eu)

# 6G SNS



The 6G-SANDBOX project has been funded by European Commission (GA number 101096328).

This meeting is recorded and will be accessible for all participants.

# QA session

Submit Questions via chat or raise your hand  
Relevant Q&A will be published in the FAQ document

Contact: [opencalls@6g-sandbox.eu](mailto:opencalls@6g-sandbox.eu)

**6G SNS**



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