

6G-SANDBOX 1st Open Call



New Infrastructures and Functionalities

May 8th 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

- Total budget: 1,790,000€ for 3 calls
- ~35 third parties expected to participate
- Ability to join without funding as well!

- General timing (tentative) planning
 - 1st Open Call for New Infrastructures and Functionalities (540K€)
 - Ongoing, deadline on 3 July 2023
 - 2nd Open Call for Experimentation and (eventually) New Infrastructures (540K€)
 - Opening autumn 2023, deadline spring 2024
 - 3rd Open Call for Experimentation (710k€)
 - Opening summer 2024, deadline end of 2024

The 1st 6G-SANDBOX Open Call



- Submission deadline: **3 July 2023, 17:00 CET**
- Info session: June 7th 2023 (at EUCNC and online)
- 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
 - 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 Honour
 - Proposal language: English
- All information and links available at <https://6g-sandbox.eu/opencall/open-call-1/>

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/>

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

Thanks for your attention!!

Contact: opencalls@6g-sandbox.eu

6G SNS



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