

WEBINAR



From 5G to 6G: Opportunities for European Start-ups and SMEs

7 December 2023 | 11:00 - 12:30 CET
ONLINE



— www.digitalsme.eu

From 5G to 6G: Opportunities for European Start-ups and SMEs

Serena Dell'Agli – Senior Technology Manager

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European
DIGITAL SME
Alliance

45.000 SMEs in the ICT sector

30 National and regional associations from EU member states and neighbouring countries

10 Active Working Groups

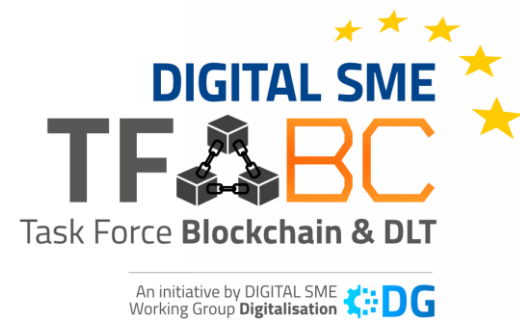
150 Project proposals in which we are involved

450 Experts involved in our Working Groups

WORKING GROUPS



TASK FORCES



FOCUS GROUPS

THE COMMUNITY



data- and IoT-specialised SMEs



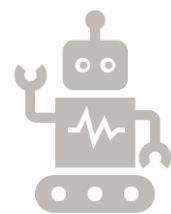
IT security providers



Software developers



B2B software solution providers



Industrial AI developers



IT consultants

**DIGITAL
ENABLERS**

SOME NUMBERS

45K

SMEs in the ICT
sector

600K

People working
in the sector

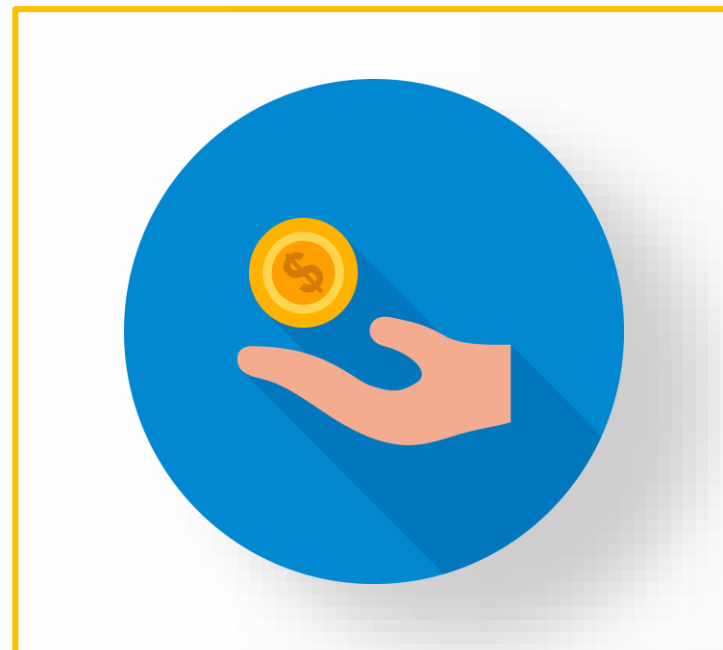
€5bln

Annual
revenues from
the sector

THE NETWORK



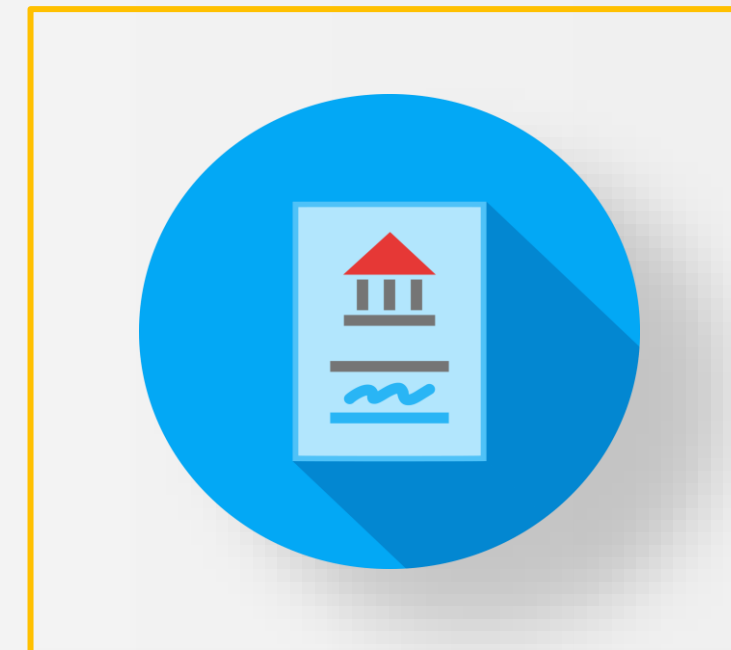
THE PILLARS



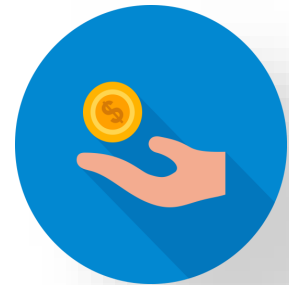
FUNDING



POLICY



NETWORKING



FUNDING

EU-funded projects for SMEs

OUR OFFER



CALL for
EXPRESSION OF INTERESTS



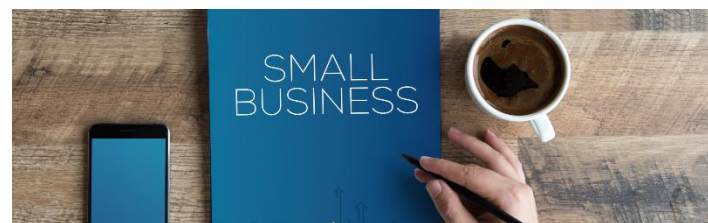
CALL for
EXPERTS



CALL for
DIH / cluster / association



CALL for
PROJECT CONSORTIA

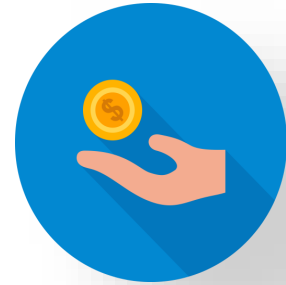


CALL for
SMEs



CALL for
SPEAKERS

- **Seven “Open Calls” typologies for different targeted audiences** to receive third-party funding
- **A dedicated portal** involving companies and associations to project consortia, including information and support for members’ projects
- **Constant updates** on EU events, workshops, trainings, tools, expert groups



FUNDING PORTAL

Funding Opportunities for SMEs





Many different European funding opportunities for SMEs exist, but the good ones are often hidden in a jungle of too much information. To help you navigate through this jungle, we are constantly filtering out the best funding calls suitable for SMEs. Browse through them and apply today!

Notify me about new funding opportunities

Show entries

Search:

Select a category:

| Calls | Details | Deadline |
|--|--|---------------------|
|  <p>Open Call for SMEs to access Innovate, Green and Digital or Global Grants Posted: Apr 14, 2023 View: 1029 👍 10</p> | <p>Category: Sustainability Entrepreneurship Innovation Internationalisation support</p> <p>Funding amount: Up to €35.000</p> <p>Call Type: Funding calls for SME</p> <p>Eligibility (geography): EU Member States, Horizon Europe Associate countries, COSME Associated Countries</p> | <p>Jun 07, 2023</p> |
|  <p>Open Call for Experts in ICT Standardisation Posted: May 12, 2023 View: 1494 👍 10</p> | <p>Category: Standards</p> <p>Funding amount: Up to €10.000</p> <p>Call Type: Call for experts</p> <p>Eligibility (geography): EU Member States, Horizon Europe Associate countries</p> | <p>Jul 10, 2023</p> |
|  <p>Open Call for Projects on Trustworthiness and Data Sovereignty Posted: Apr 18, 2023 View: 1024 👍 10</p> | <p>Category: Cybersecurity and Data Protection Data Software Development Innovation</p> <p>Funding amount: Up to €50.000</p> <p>Call Type: Funding calls for SME</p> <p>Eligibility (geography): EU Member States, Horizon Europe Associate countries</p> | <p>Aug 01, 2023</p> |
|  <p>Open Call for a Greener, more Secure and Resilient Global Internet Posted: May 22, 2023 View: 995 👍 10</p> | <p>Category: Technology</p> <p>Funding amount: Up to €50.000</p> <p>Call Type: Funding calls for SME</p> <p>Eligibility (geography): EU Member States, Horizon Europe Associate countries</p> | <p>Aug 01, 2023</p> |

HOW IT WORKS

On a routinely base, the best calls are selected by us, following the **seven categories' criteria** and posted on the portal

To access the information for projects' funding you need to **register** first to DIGITAL SME and join its community of digital innovators!



POLICY

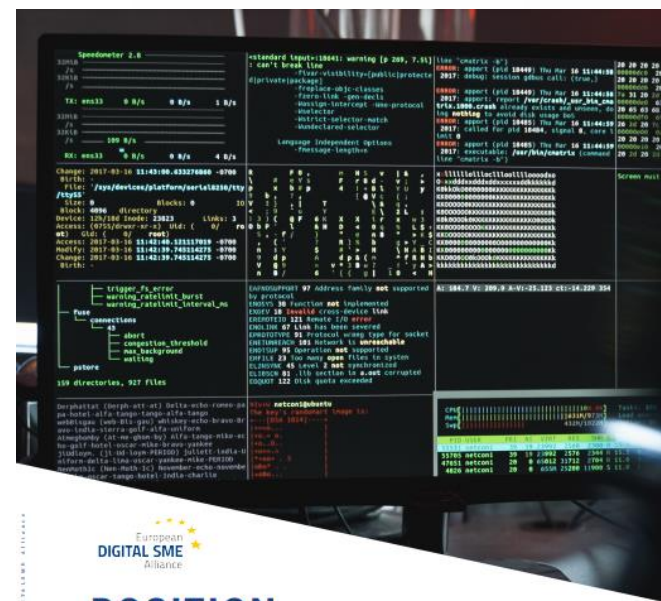
- Ending tax inequalities & unfair competition
- Starting up Europe-led innovation
- Building Europe's digital single market
- Unleashing the potential of the data economy
- Building a sustainable digital Europe
- Paving the way for Europe-led Artificial Intelligence
- Closing the digital skills gap
- Unlocking standards for SMEs
- Towards Europe's digital sovereignty
- Building an inclusive digital Europe and social model

OUR PRIORITIES



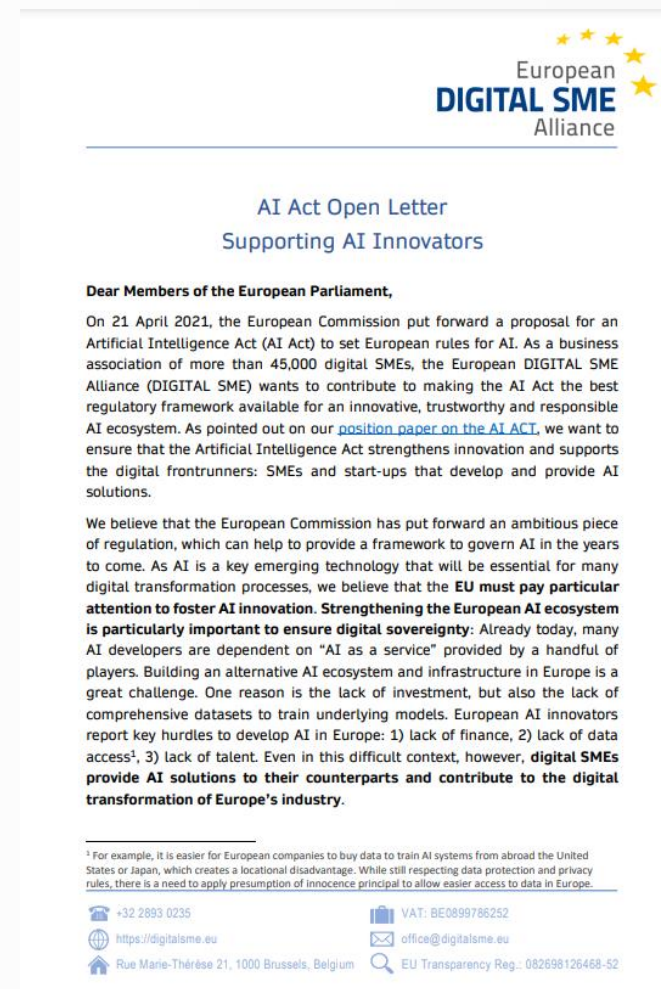
POLICY

Some of our recent content material that you can find in our [Publications](#) section




European DIGITAL SME Alliance
POSITION PAPER
CYBER RESILIENCE ACT

CONTACT: Phone: +32 2893 0235, Email: office@digitalsme.eu
 ADDRESS: Rue Marie-Thérèse 21, 1000 Brussels, Belgium



European DIGITAL SME Alliance
AI Act Open Letter
Supporting AI Innovators

Dear Members of the European Parliament,

On 21 April 2021, the European Commission put forward a proposal for an Artificial Intelligence Act (AI Act) to set European rules for AI. As a business association of more than 45,000 digital SMEs, the European DIGITAL SME Alliance (DIGITAL SME) wants to contribute to making the AI Act the best regulatory framework available for an innovative, trustworthy and responsible AI ecosystem. As pointed out in our [position paper on the AI Act](#), we want to ensure that the Artificial Intelligence Act strengthens innovation and supports the digital frontrunners: SMEs and start-ups that develop and provide AI solutions.

We believe that the European Commission has put forward an ambitious piece of regulation, which can help to provide a framework to govern AI in the years to come. As AI is a key emerging technology that will be essential for many digital transformation processes, we believe that the **EU must pay particular attention to foster AI innovation. Strengthening the European AI ecosystem is particularly important to ensure digital sovereignty**: Already today, many AI developers are dependent on "AI as a service" provided by a handful of players. Building an alternative AI ecosystem and infrastructure in Europe is a great challenge. One reason is the lack of investment, but also the lack of comprehensive datasets to train underlying models. European AI innovators report key hurdles to develop AI in Europe: 1) lack of finance, 2) lack of data access¹, 3) lack of talent. Even in this difficult context, however, **digital SMEs provide AI solutions to their counterparts and contribute to the digital transformation of Europe's industry**.

¹ For example, it is easier for European companies to buy data to train AI systems from abroad the United States or Japan, which creates a locational disadvantage. While still respecting data protection and privacy rules, there is a need to apply presumption of innocence principal to allow easier access to data in Europe.

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 VAT: BE0899786252 | office@digitalsme.eu | EU Transparency Reg.: 082698126468-52



European DIGITAL SME Alliance
 The largest network of ICT small and medium enterprises (SMEs) in Europe.

European DIGITAL SME Alliance
MANIFESTO
Sustainable Local Digital Transformation
 SMEs bringing digital tools to European cities & regions

MARCH 2022

Digitalisation is giving local governments and their communities a new opportunity to rethink their urban spaces and processes. The European DIGITAL SME Alliance believes that digital SMEs can play a crucial role in this transformation, as they are embedded in the local ecosystem and compliant with European values. This manifesto sets out the key principles to deliver a Sustainable Local Digital Transformation by leveraging the involvement of all community stakeholders.

Tel: +32 2893 0235 | VAT: BE0899786252 | Email: office@digitalsme.eu | EU Transparency Register: 082698126468-52 | Address: Rue Marie-Thérèse 21, 1000 Brussels, Belgium | <https://digitalsme.eu>



Small Business Standards
 European DIGITAL SME Alliance

SME Guide on Blockchain and Distributed Ledger Technology



NETWORKING



Fostering a collaborative environment

Opportunities to meet like-minded organisations during in-house events, workshops and B2B Matchmaking



DIGITAL SME members can be invited to present and participate to workshops, high-level working groups, EU advisory boards

PRESENT YOUR BUSINESS

**THE NETWORKING EVENT FOR ICT SMEs - MEET
EUROPEAN INNOVATORS**



Every first Wednesday of the month



5 companies



6 min. presentation, + 4 min. Q&A

MATCHMAKING PLATFORM

IT AIMS AT ACCELERATING THE RELIANCE ON INNOVATIVE DIGITAL SOLUTIONS, RAISING SMES' AWARENESS IN SPECIFIC TECHNOLOGY SOLUTIONS' AND BUSINESS MODELS' BENEFITS

- ✓ **CONNECTING SMES WITH POTENTIAL BUSINESS PARTNERS AND CUSTOMERS**
- ✓ **FACILITATING EFFECTIVE BUSINESS TRANSACTIONS AND PARTNERSHIPS ACROSS ECOSYSTEMS THROUGH COST-EFFECTIVE SOLUTIONS FOR SMES**
- ✓ **PROVIDING A PLATFORM FOR SMES TO SHOWCASE THEIR PRODUCTS AND SERVICES TO A WIDER AUDIENCE**

CONTACT US

THANK YOU FOR YOUR ATTENTION!

Stefano Dell'Agli – Senior Technology Manager

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From 5G to 6G Opportunities for European Startups and SMEs

Organized by the European
Digital SMEs Alliance and
Institute PIIU

Supported by the HEXA X II,
FIDAL and TrialsNet projects

Contributions by
Setu and Walton

7.12.2023





Welcoming remarks

Serena Dell'Agli, *Senior Technology Manager*, European DIGITAL SME Alliance

The next funding opportunities coming from the “Smart Networks and Services Joint undertaking”

Maurizio Cecchi, *President*, Institute PIIU

The evolution of communication services driven by the flagship initiative HEXA X II – A call for Ideas for SMEs

Mauro Renato Boldi, *European Project Manager & 5G EVE Project Coordinator*, TIM

FIDAL Open Call

Ioannis Markopoulos, *Head of EU & International Business*, Nova

The TrialsNet Open Call & Open Call procedures

Giancarlo Sacco, *Product Owner – Technical Product & Portfolio Management*, Ericsson

Barbara Ferraioli, *Senior Project Manager*, Institute PIIU

Q&A Session



#HorizonEU

THE EU
RESEARCH & INNOVATION
PROGRAMME

2021 – 2027

Workshop :
From 5G to 6G
Opportunities for European Startups and SMEs

The Smart Networks and Services Joint UnderTaking (SNS JU)



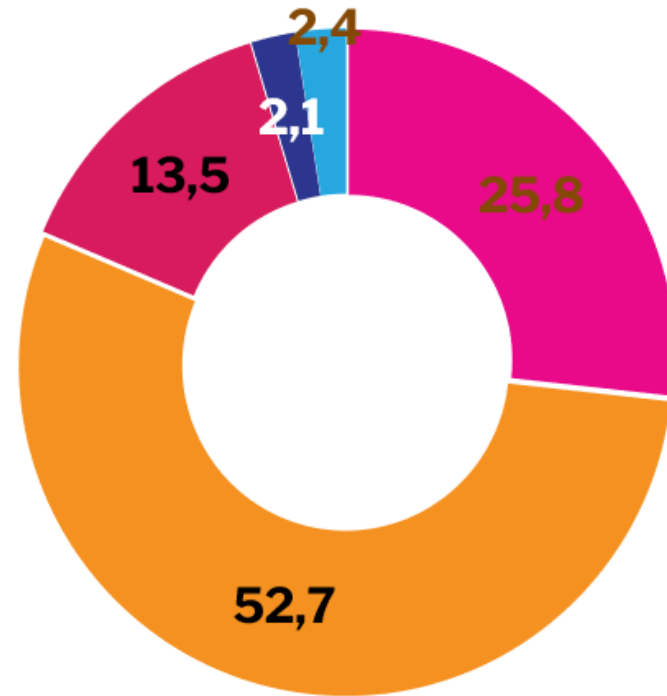
Part of the **Digital and Industry** pillar of Horizon Europe

Specific objectives of the Programme



Horizon Europe Budget

The voice of the European industry for the development, deployment and evolution of 5G



- Open Science
- Global Challenges & Ind. Competitiveness
- Open Innovation
- Strengthening ERA
- Euratom

100€ million € (in current prices)*

* This envelope includes EUR 3.5 billion allocated under the InvestEU Fund.

Smart Network and Services Joint Undertaking

The European Smart Networks and Services Joint Undertaking (SNS JU) is a **Public-Private Partnership that aims to facilitate and develop industrial leadership in Europe in 5G and 6G networks and services.**

The SNS JU has two main missions:

- **1 – Fostering Europe’s technology sovereignty in 6G** by implementing the related research and innovation (R&I) programme. It encourages preparation for early market adoption of 6G technologies by the end of the decade.
- **2 – Boosting 5G deployment in Europe** in view of developing digital lead markets and enabling the digital and green transition of the economy and society. It also contributes to the coordination of national programmes, including under the [Recovery and Resilience Facility](#) and other European programmes and facilities such as the [Digital Europe Programme \(DEP\)](#).

Smart Networks and Services (SNS) OBJECTIVES

Research & innovation for 5G & 6G networks for connectivity, devices and service infrastructures

New applications: “Internet of Sense”, XR/VR, digital twins, holographic type communications

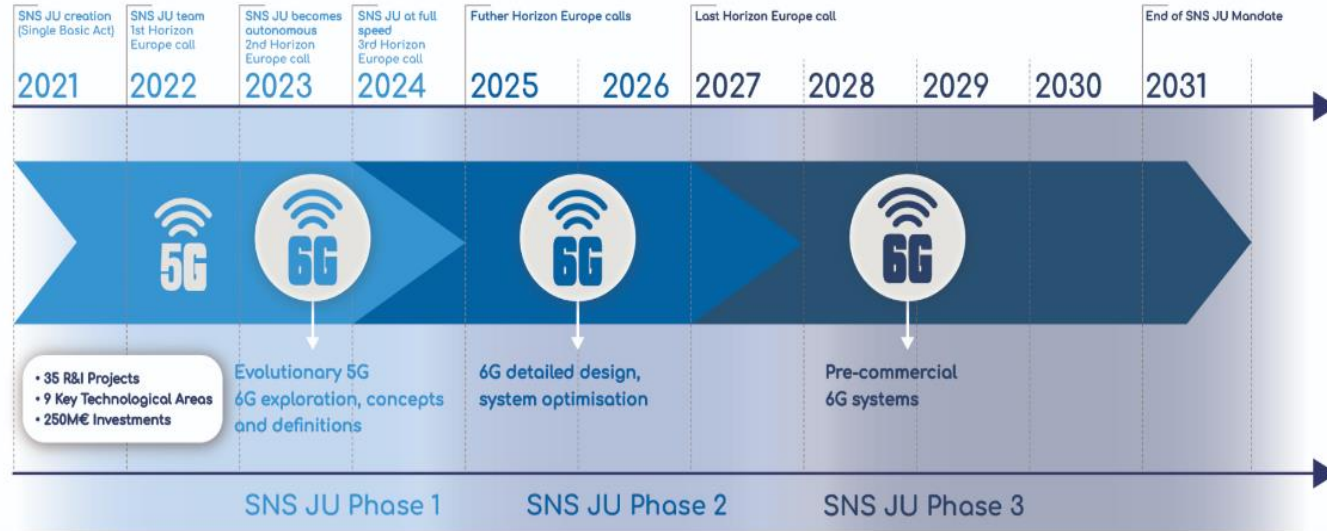
Reinforce Europe’s technological sovereignty

Safeguard European values
(security and privacy)

Enable a massive digital and green transitions towards low carbon footprint of vertical industries

Cost Effective Affordable Solutions for all & everywhere
Strengthen European data economy

129 Meuro Funding for the April 2024 Call



HIGHLIGHTED NEWS



SNS JU ADOPTS ITS WORK PROGRAMME 2024 TO ADVANCE EUROPEAN 6G RESEARCH AND PURSUE GLOBAL STANDARDS

The Smart Networks and Services Joint Undertaking (SNS JU) is proud to announce the publication of its new Research and Innovation Work Programme for 2024, earmarking a substantial €129 million public funding for collaborative projects to advance 6G systems and prepare for standardisation activities.

On 23rd November 2023, the Smart Networks and Services Joint Undertaking Governing Board adopted its Work Programme 2024, including information about the 2024 Call for Proposals under Horizon Europe.

The SNS R&I Work Programme 2024 will be the basis for the third SNS Call for Proposals.

Structure of the Work Programme



5G Evolution → evolutionary path

Stream A : Smart communication components, systems and networks for 5G mid-term Evolution systems

Stream D : Large Scale SNS Trials and Pilots with Verticals



6G → revolutionary path

Stream B : Research for radical technology advancement towards 6G

Stream C : SNS experimental infrastructures

CSAs – 2%

Proposed structure of the Work Programme



The voice of the European industry for the development, deployment and evolution of 5G

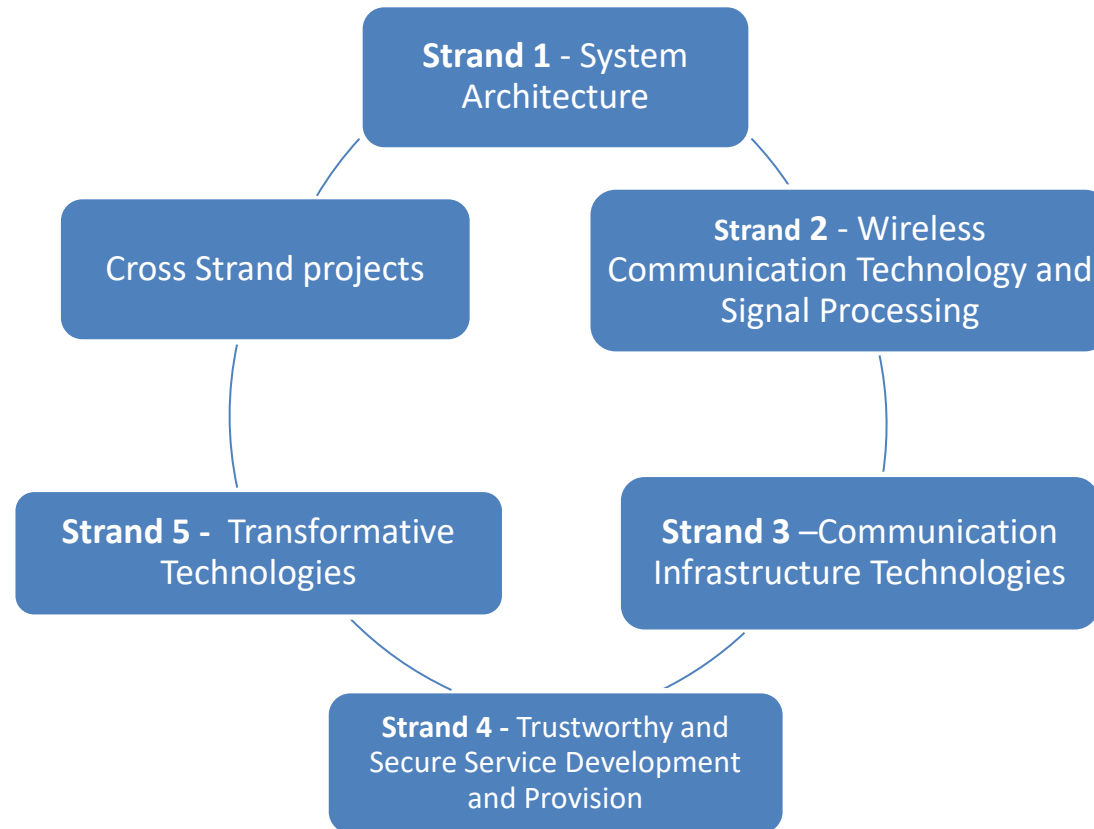
- **Stream A: (Evolutionary)** Follow an evolutionary path towards the development of 6G networks. The proposed research topics are selected in such a way to create a complete system view when these are considered all together
- **Stream B: (Revolutionary)** Research for radical technology advancement towards 6G. Low TRL technologies that are expected to deliver in real life networks in a mid and/or long-term time period.
- **Stream C:** SNS experimental infrastructures to be used during the second phase of the SNS by Stream D
- **Stream D: Large Scale SNS Trials and Pilots with Verticals. Explore and demonstrate technologies and advanced applications as well as advanced services in the vertical domains (e.g., connected mobility and smart transport and logistics, media and entertainment, public safety, e-Health, smart factories, smart cities etc.).**

For AI/ML solutions, target to create open data sets as the outcome of the projects.

HEXA X II: Research Foundations for 6G -RIA

Implementation concept: guarantee minimal funding for each one of the main areas.

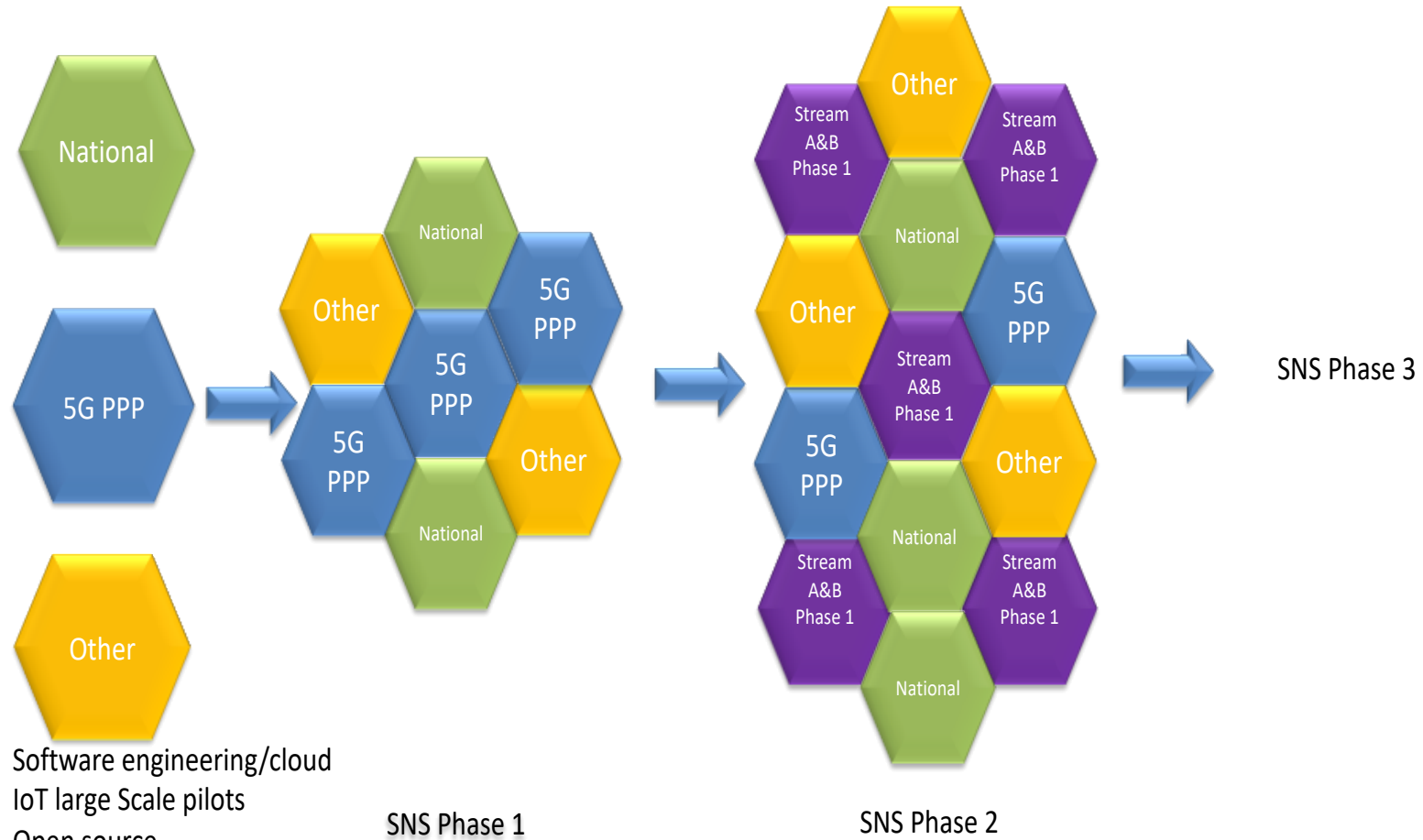
HEXA X II provides the **research foundations for low TRL technology** advancement in preparation for the upcoming 6G networks. It is part of the Stream B projects of SNS.



Large Scale Trials and pilots with Verticals

- Demonstrate both technological and business validation with verticals
- Foster a close cooperation between ICT and other application domains stakeholders
- Potentially leverage existing relevant platforms projects End-to-End Facility projects or/and Vertical Pilots projects, IoT & Cloud platforms
- Explore and demonstrate technologies, end devices, communication components and applications
- **SMEs, scaleups and startups are expected to play a key role in this process**

SNS Experimental Infrastructures



**To support
Open Calls
for SMEs and startups**

Software engineering/cloud
IoT large Scale pilots
Open source
22/06/2021

Useful links



- SNS Program:
- SNS Workplan:
- Brokerage: <https://sns-brokerage.eu/proposal-overview/>

Opportunities for European Startups and SMEs

CURRENT CALL FOR PROPOSALS

HOME » CURRENT CALL FOR PRO

The SNS JU has published its **SNS R&I Work Programme 2024** and prepared its Third Call. The **Call for proposals will open in January 2024** - with **submission date ~ mid-April 2024**.

In addition there are some running **SNS JU projects calling for supplementary contributions of different types:**

Timeline showing Stream C and Stream D Open Calls deadlines*



These projects are planning to run open calls to either augment or validate the capabilities, functionalities and performance of their experimental platforms or to add use cases to their portfolio of demonstrated services.

Cascade Funding Opportunities from SNS Phase 1 Projects

Legend

- Stream C - SNS Experimental Infrastructure
- Stream D - SNS LST&Ps with Verticals

WALTON Leading Universities and Research Centres
USE TU University of Southampton
Credits from: Internal Cooperation in Digital 5G and 6G Research and Innovation, 5th November 2023

<https://www.sns.eu/2023/11/27/call-for-proposals-2024/>

LIST of Opportunities by the Open Calls of each SNS project

FIDAL



The voice of the European industry for the development, deployment and evolution of 5G

| | |
|-------------------------------|---|
| FIDAL | https://fidal-he.eu/ |
| Open call scope | FIDAL is inviting companies, research institutes, groups of entrepreneurs, app developers and infrastructure owners to undertake a set of beyond 5G trials in these domains: <ul style="list-style-type: none">o Mediao Entertainmento Emergency Serviceso Time critical applications and services |
| Available budget (overall) | 4 million euros |
| Max. support for application | 250.000 euros |
| Call opening date | 15 September 2023 |
| Call closing date | 20 December 2023 |
| Expected duration of projects | 12 months |
| Funding rate | 100% of the declared costs (including 25% flat rate for overheads) |
| Additional details | More information & Applications: https://fidal-he.eu/fidal-open-call-september-2023 See Guide for Applicants Submission of Application: https://fidal.fundingbox.com/ |



TrialsNET



The voice of the European industry for the development, deployment and evolution of 5G

| | https://trialsnet.eu/ |
|-------------------------------|--|
| Open call scope | TrialsNet invites European third parties such as verticals, companies (including SMEs), research centers or any other relevant entity, as well as facilities and infrastructure owners, to participate in its large-scale trial's activities through the implementation of additional, diversified, and heterogeneous vertical use cases, to support: <ul style="list-style-type: none">• Option 1: The deployment of new trials on the platform and network solutions deployed by the project,• Option 2: The extension of its infrastructure's domain in other geographical areas located in Europe (complementing the main clusters). The proposed use cases and trials should address one of the main areas identified by the project: • Infrastructure, • Transportation, • Safety & Security, • eHealth and Emergency, • Culture, • Tourism, • Entertainment. |
| Available budget (overall) | 5.580.900 euros |
| Max. support for application | 200.000 € under Option1 or, alternatively, up to 300.000 € under Option 2 |
| Call opening date | 16th October 2023 |
| Call closing date | 19th January 2024 |
| Expected duration of projects | 12 months |
| Funding rate | 100% of the declared costs (including 25% flat rate for overheads) |
| Additional details | More information & Applications: https://trialsnet.eu/open-call/ See Guide for Applicants Submission of Application: https://trialsnet.fundingbox.com/ |



Stream D – SNS Large Scale Trials and Pilots (LST&Ps) with Verticals



f 5G

| IMAGINE-B5G | https://imagineb5g.eu/ |
|-------------------------------|---|
| Open call scope | In open-call 2 of IMAGINE-B5G, projects will fund projects related to (i) test and validate their novel vertical applications through pilots and trials on the IMAGINE-B5G facilities and (ii) to provide novel features through HW and SW extensions to the IMAGINE-B5G facilities. However, unlike the first call, the platform extensions for the second call will target to incorporate the advances that are achieved through the SNS Stream A and B projects. Open-call 2 projects will benefit from a higher maturity level of the IMAGINE-B5G framework and platform. |
| Available budget (overall) | 2 million euros |
| Max. support for application | 100.000 € |
| Call opening date | 01 May 2024 |
| Call closing date | 30 June 2024 |
| Expected duration of projects | 12 months |
| Funding rate | 100% of the declared costs (including 25% flat rate for overheads) |
| Additional details | For more details, please click on the relevant buttons found at https://imagineb5g.eu/open/#timelines |

Guide For Applicants Grants Agreement Facility Description Platform Extensions
Vertical Experiments Proposal Template Feasibility Check Template

Stream C – SNS Experimental Infrastructure



f 5G

| 6G-BRICKS | https://6g-bricks.eu/ |
|-------------------------------|---|
| Open call scope | <p>The objective of the Open Calls is to validate the capabilities, functionalities and performance of the 6GBRICKS experimental facility in extended domains which will complement those of the internal Use Cases.</p> <p>For the 1st open call we will accept proposals for covering, <u>but not limited</u>: 1. Digital Twins or emulation solutions for O-RAN, 2. NWDAF functions and O-RAN ML frameworks, 3. Experimentation Tools for data monitoring, analytics collection, or TMF intents processing, 4. Experimentation xApps, 5. Experiments with RIS Radio Units or Simulated RIS, 6. Joint Communication & Sensing experimentation, 7. Emulation solutions for XAI-driven Causal Reasoning and Anomaly Detection at O-RAN and B5G infrastructures, 8. Digital beamforming algorithms and/or synchronization algorithms validated on offline datasets of 5g waveforms and motion capture data collected at KUL, 9. Expanding the 6G-BRICKS facility experimentation capabilities as well as further topics of community interest.</p> |
| Available budget (overall) | 1.680.906 euros |
| Max. support for application | 120.000 euros |
| Call opening date | 1 st December 2023 |
| Call closing date | 31 st January 2023 |
| Expected duration of projects | 6 months |
| Funding rate | 100% of the declared costs (including 25% flat rate for overheads) |
| Additional details | More information & Applications: https://6g-bricks.eu/ |

Stream C – SNS Experimental Infrastructure



f 5G

| | |
|-------------------------------|---|
| 6G-SANDBOX | https://6g-sandbox.eu/ |
| Open call scope | New Infrastructures and Functionalities & Innovative Experiments (draft information) |
| Available budget (overall) | 540.000 euros (270.000 for infrastructures and 270.000 for experiments) |
| Max. support for application | 60.000 euros for infrastructures and 20.000 euros (+ 10.000 euros for specific costs) for experiments per single participating organization |
| Call opening date | November 2023 (tentative) |
| Call closing date | 29 February 2024 (tentative) |
| Expected duration of projects | Six months |
| Funding rate | 90% (for-profit organization) or 100% (not-for-profit organization) of the declared direct costs + including 25% flat rate for overheads |
| Additional details | More information & Applications: https://6g-sandbox.eu/opencall (to be published soon) |



Stream C – SNS Experimental Infrastructure



f 5G

| 6G-XR | https://www.6g-xr.eu/ |
|-------------------------------|--|
| Open call scope | 1st 6G-XR Open Call – Platform and Network Enablers focuses on the development and extension of the four research infrastructures. The project is looking for 1) networking, computing enablers; 2) XR enablers; 3) RAN enablers; and 4) Sustainability enablers for local green energy, controlling energy sources and charging/discharging, energy measurement and optimization solutions in terms of the following implementations. Each topic is supervised by a project partner (mentor) who is responsible for supporting the experimenters during execution and following up on the experiment results. |
| Available budget (overall) | 480.000 euros |
| Max. support for application | 60.000 euros |
| Feasibility check deadline | 31 October 2023 |
| Call closing date | 27 November 2023 |
| Expected duration of projects | 5-6 months depending on project size (expected during January – June 2024) |
| Funding rate | 100% of the declared costs (including 25% flat rate for overheads) |
| Additional details | More information & Applications: https://www.6g-xr.eu/open-calls/oc1/ |



Stream D – SNS Large Scale Trials and Pilots with Verticals

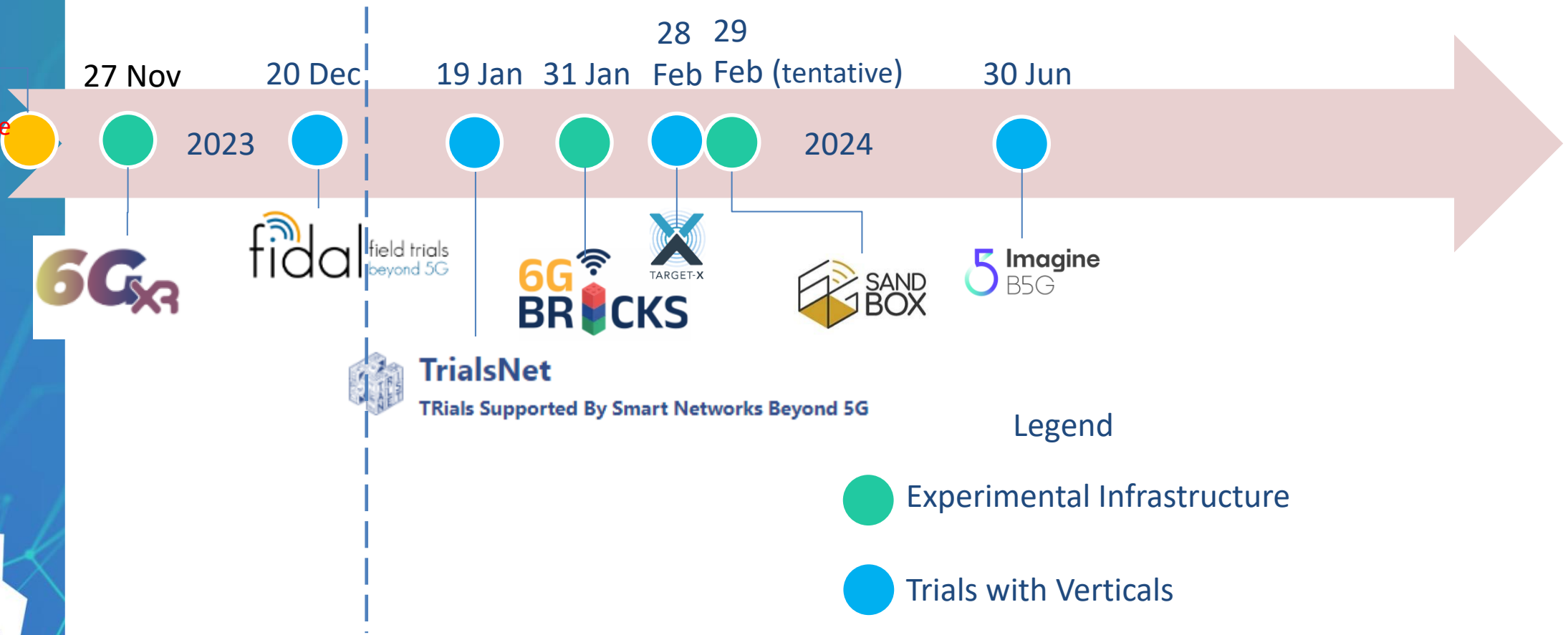
f 5G

| TARGET-X | https://target-x.eu/ |
|-------------------------------|---|
| Open call scope | <p>TARGET-X will launch two open calls to select up to 100 third parties distributing 6 Million € among them. The funding instrument will include a lump-sum grant of for the performance testing or development of devices or solutions oriented to technology providers and use cases. The applicants can be single applicant or consortia. The consortia must be integrated by at least one technology provider and one end user for testing. The total duration of support provided will not exceed 9 months divided into 3 stages:</p> <ol style="list-style-type: none">1. Individual mentoring plan preparation2. project development and3. market uptake. <p>The projects should address the development of devices / solutions or performance testing of technology and systems applicable to the 4 verticals of the TARGET-X project which will be developed to reach technology readiness Level (TRL) 7.</p> |
| Available budget (overall) | 6 million euros |
| Max. support for application | up to 60,000€ per Third Party (whereas a consortium made up of 2 third parties can receive up to 120,000€ in total) |
| Call 2 opening date | 6 December 2023 |
| Call 2 closing date | 28 February 2024 |
| Expected duration of projects | 09 months |
| Funding rate | 100% of the declared costs (including 25% flat rate for overheads) |
| Additional details | For more details, please click on the relevant buttons found at https://target-x.eu/ and soon at: https://target-x-2oc.fundingbox.com/ |

Timeline slide showing open call deadlines in a timeline



The voice of the European industry for the development, deployment and evolution of 5G

We are here



TrialsNet
TRials Supported By Smart Networks Beyond 5G

Legend

-  Experimental Infrastructure
-  Trials with Verticals





HEXA-X-II

HEXA-X-II.EU //





European Digital SMEs Alliance

Overview on Hexa-X-II

hexa-x-ii.eu

Mauro R. BOLDI, TIM

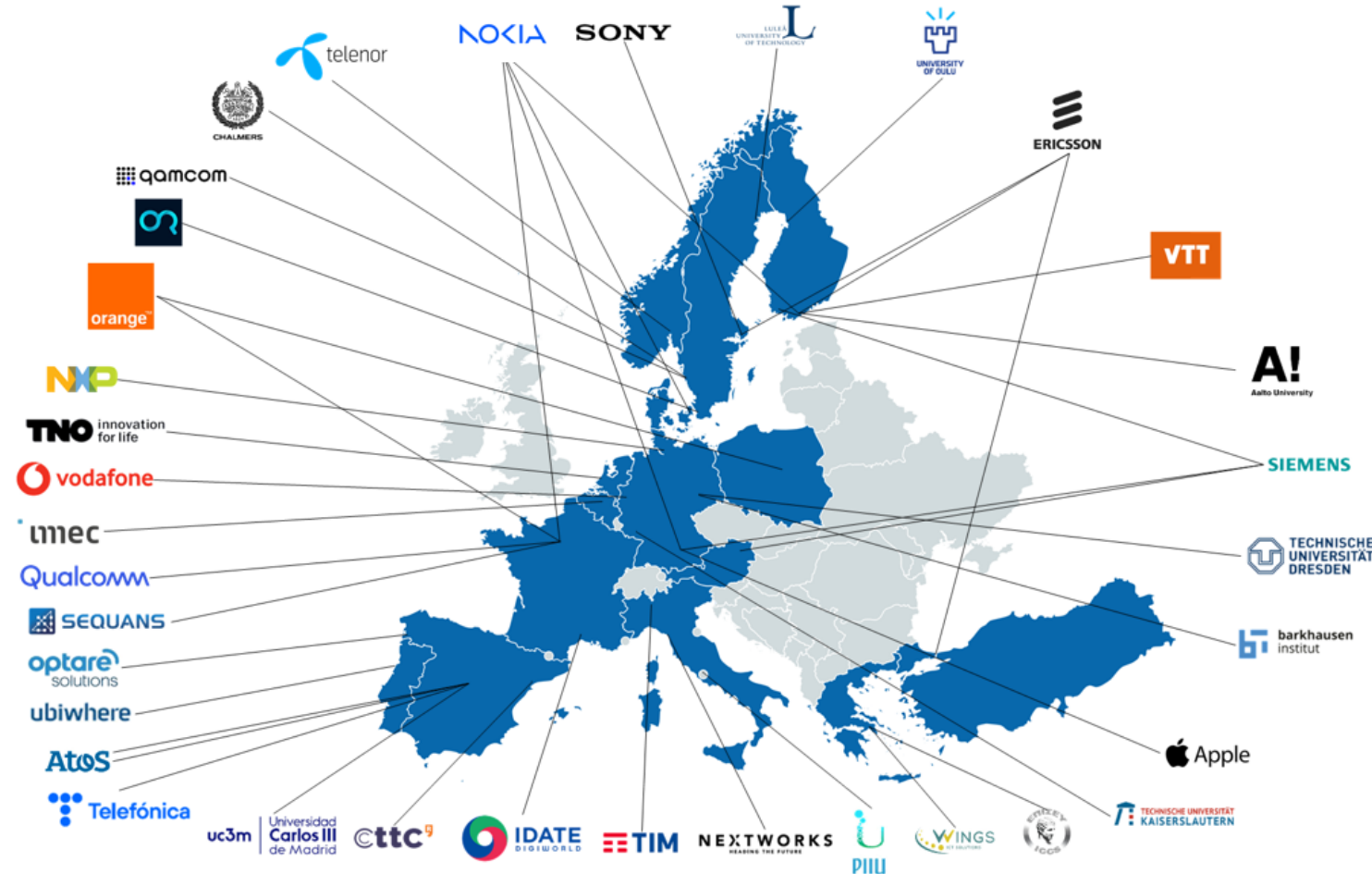
mauro.boldi@telecomitalia.it



Hexa-X-II overview



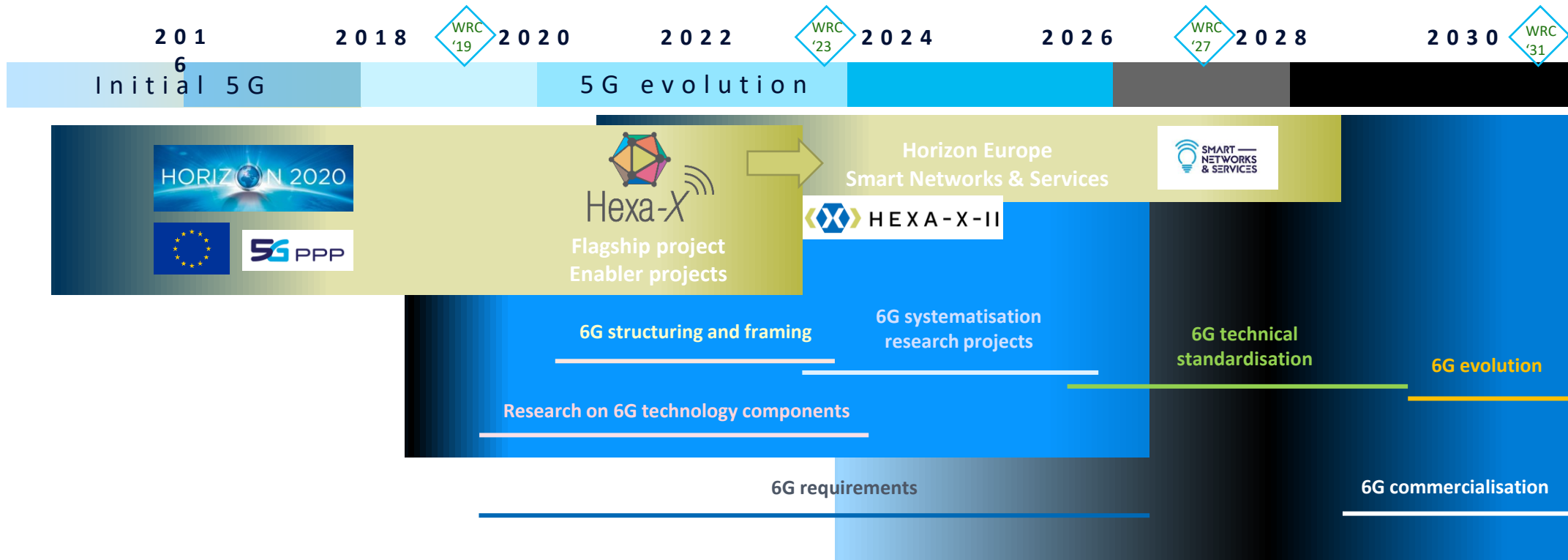
- Hexa-X-II is the next European level 6G Flagship
- Focus will be continued development of technology and define the 6G platform and system
- Funded through Horizon Europe SNS-JU
- 44 partners
 - Cover the entire value-stack from hardware to system to platform to applications to service providers and a strong academic presence
- Nokia is overall leader
- Ericsson is technical manager



Consortium



Timeline



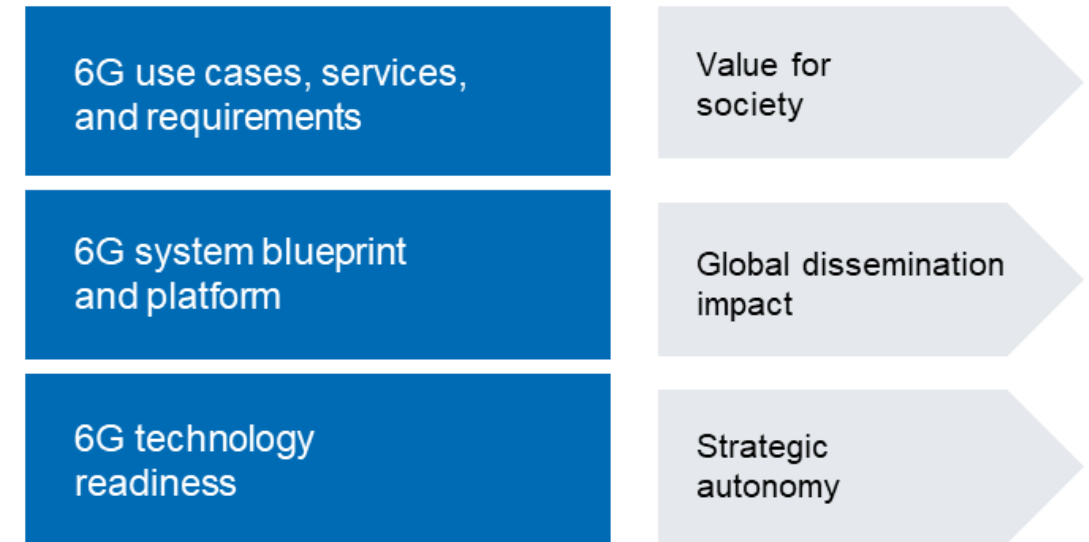


Overall objectives of Hexa-X-II

A holistic flagship towards the 6G platform and system to inspire digital transformation for the world to act together in meeting needs in society and ecosystems with novel 6G services

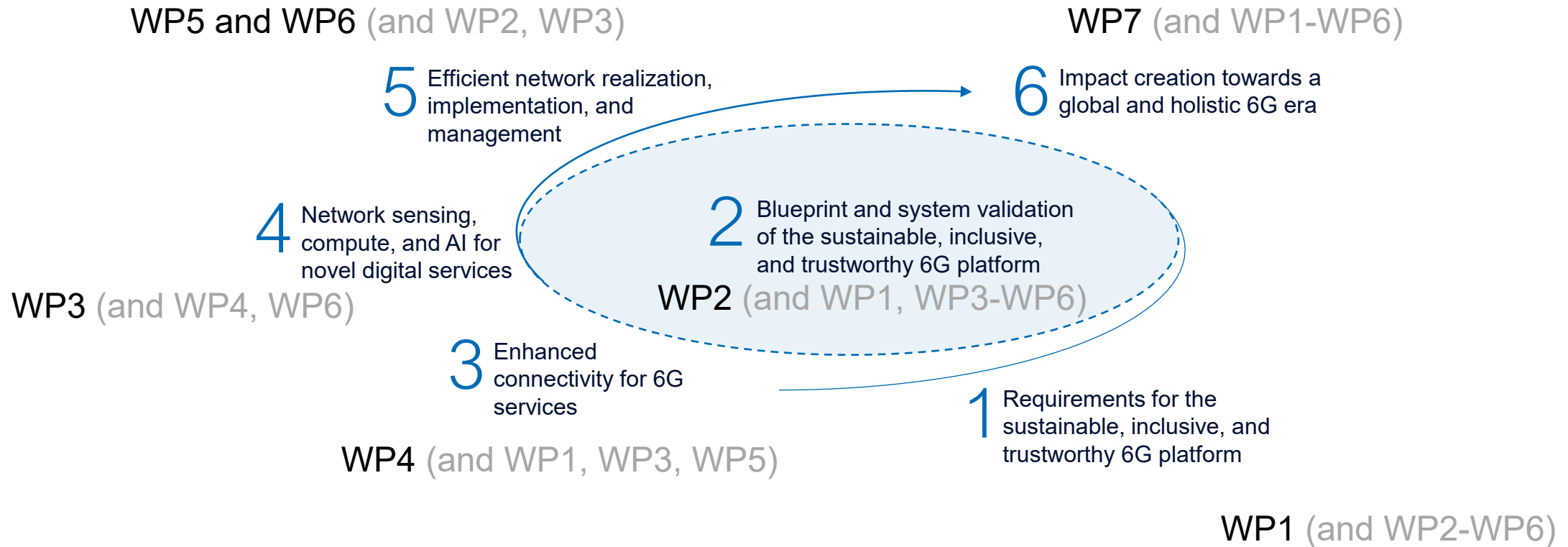


Hexa-X & Horizon-2020 candidate enablers

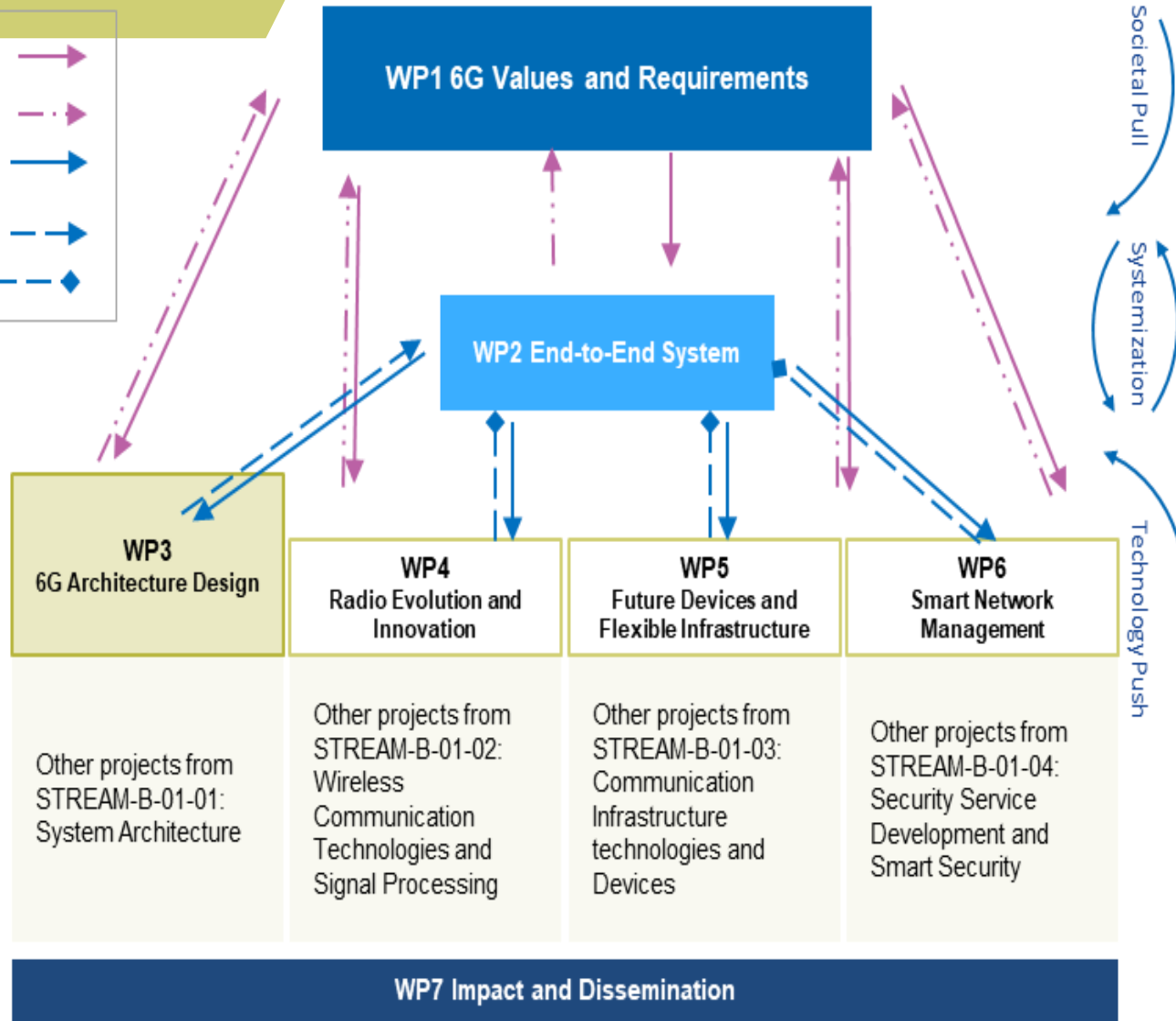
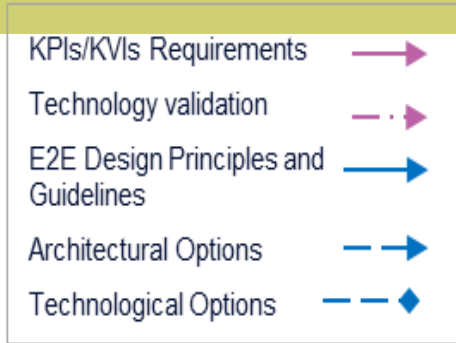


SNS stream B projects

Objectives



WP structure



6G Use cases and requirements

Objective 1 – WP1 Requirements for the sustainable, inclusive, and trustworthy network platform

6G system blueprint and network platform

Objective 2 – WP2 Design blueprint of the sustainable, inclusive, and trustworthy network platform, and system validation

6G technology readiness

Objective 3 – WP3,4,5 Enhanced connectivity for 6G service

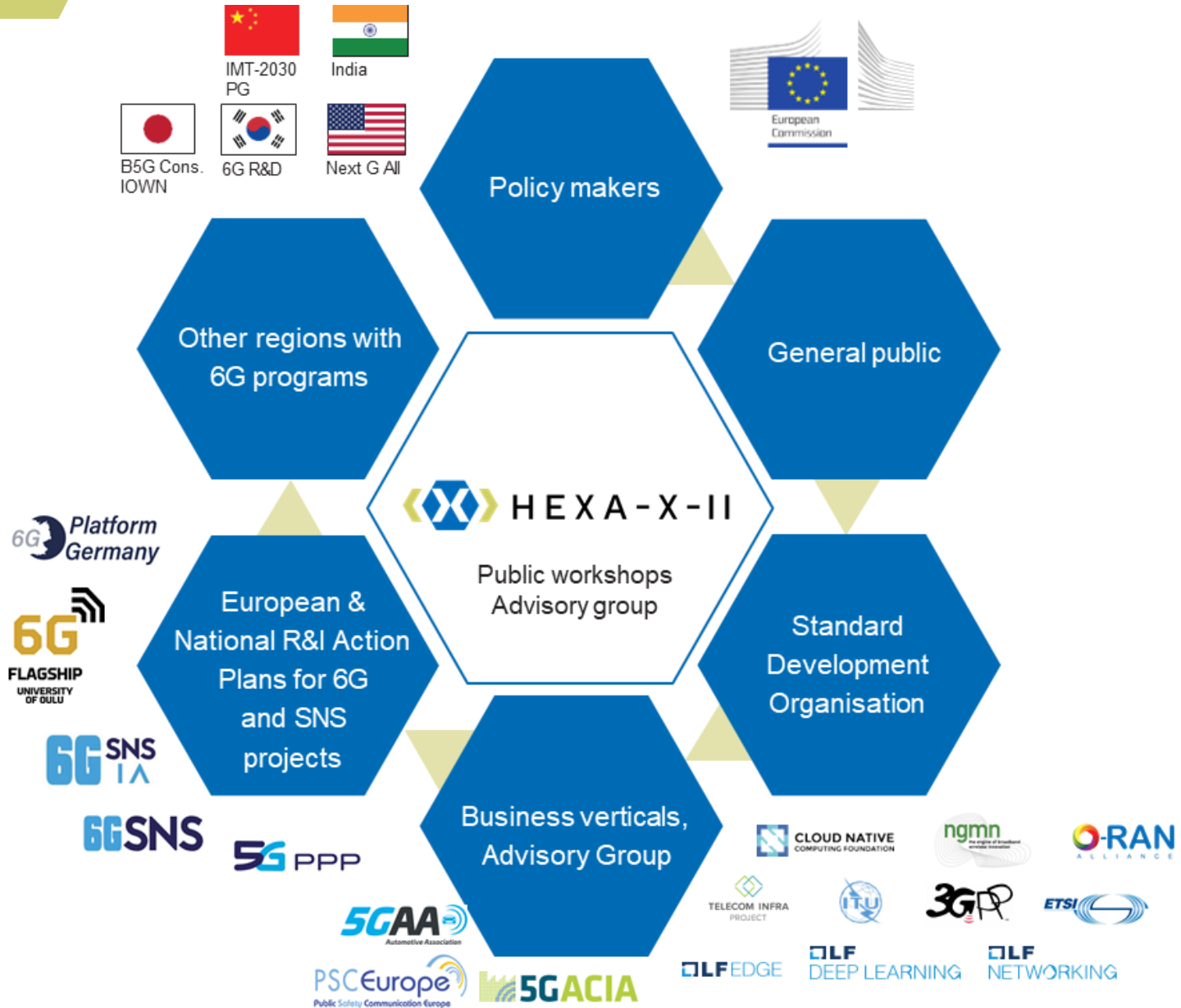
Objective 4 – WP3, 4, 6 Network sensing, compute, and AI novel digital services

Objective 5 – WP2, 3, 5, 6 Efficient network realization, implementation, and management

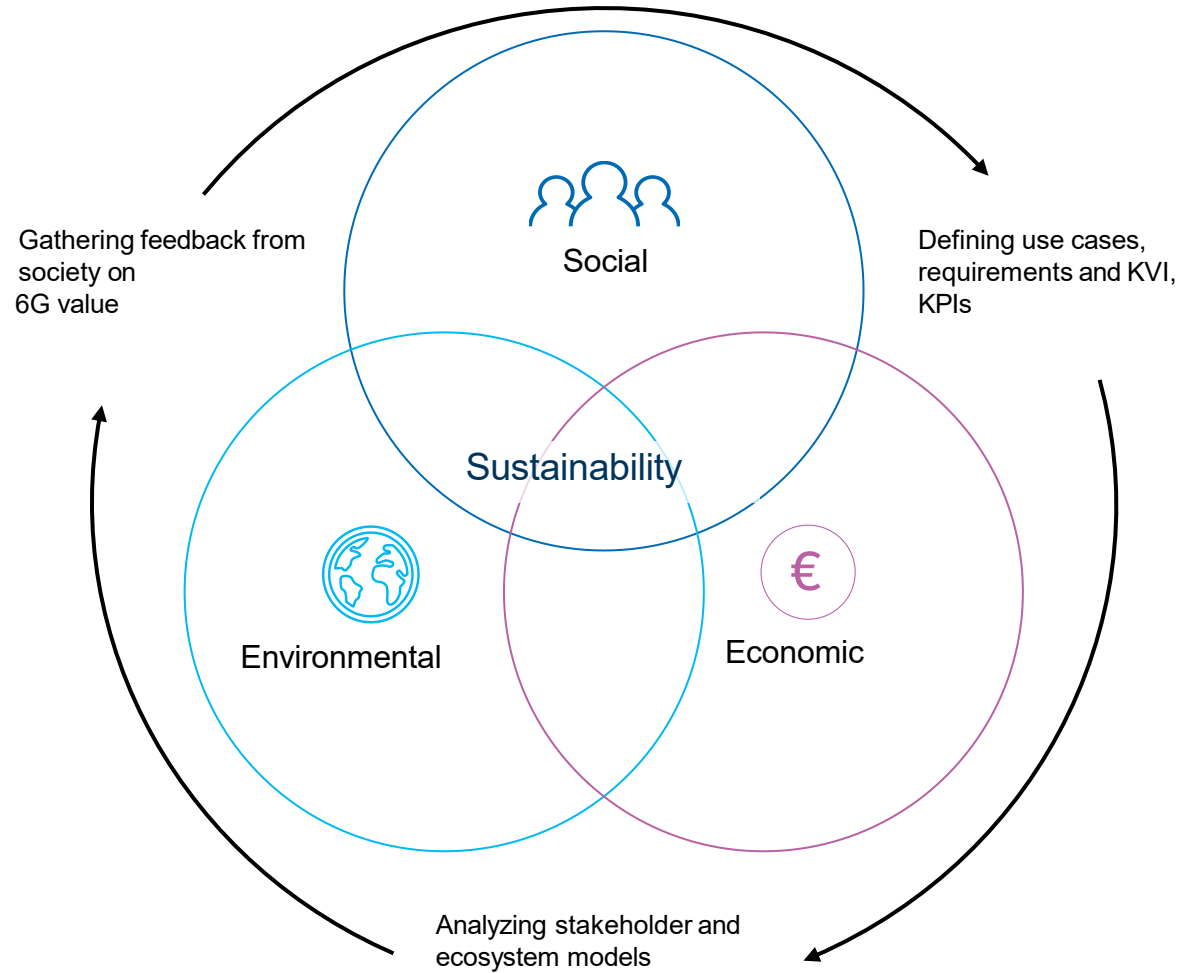
6G harmonisation

Objective 6 – WP7 Impact creation towards a global & holistic 6G era

Relation of Hexa-X-II to major stakeholders



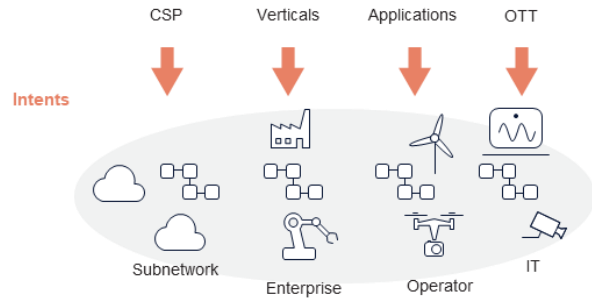
WP1 Value, requirements and ecosystems



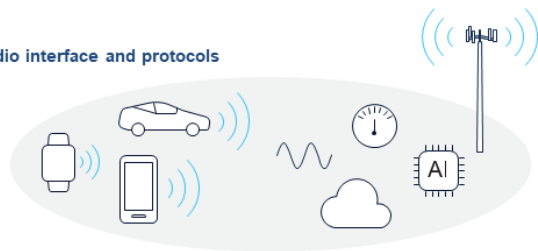
WP2 End-to-end system



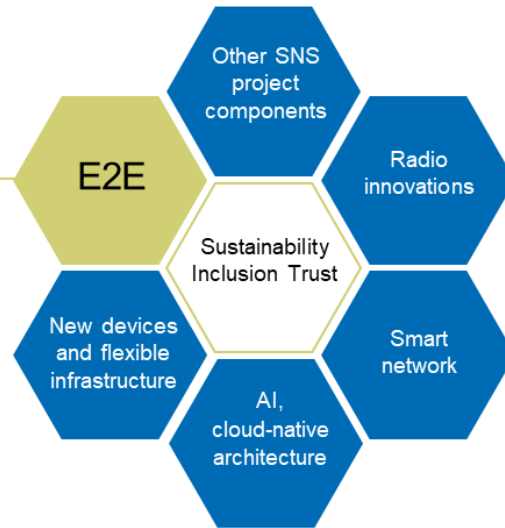
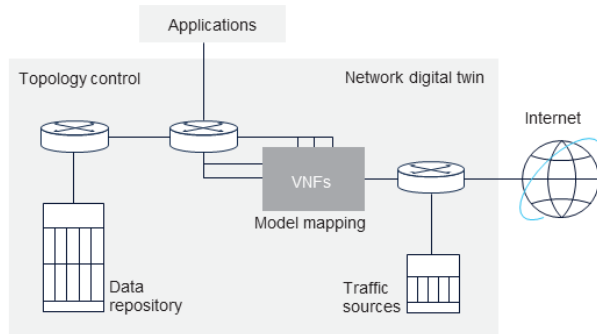
Multi-stakeholder service management automation



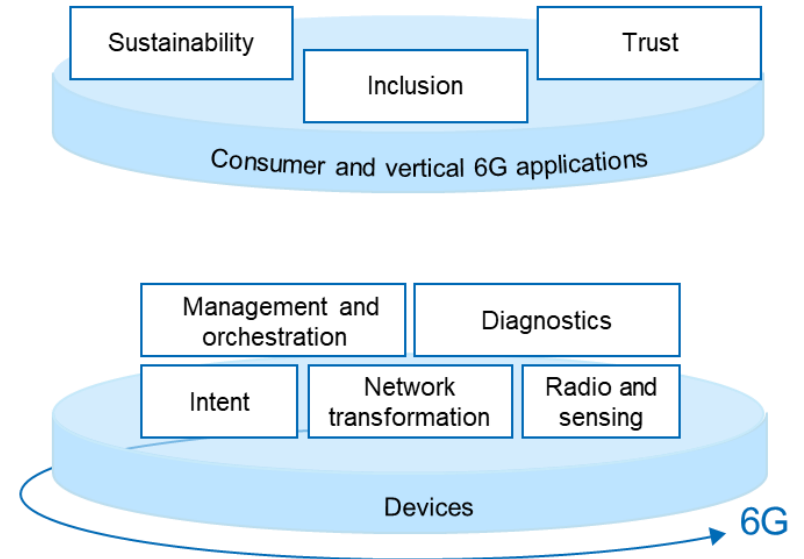
6G radio interface and protocols



Digital twin for system-level security and resilience



6G network platform blueprint

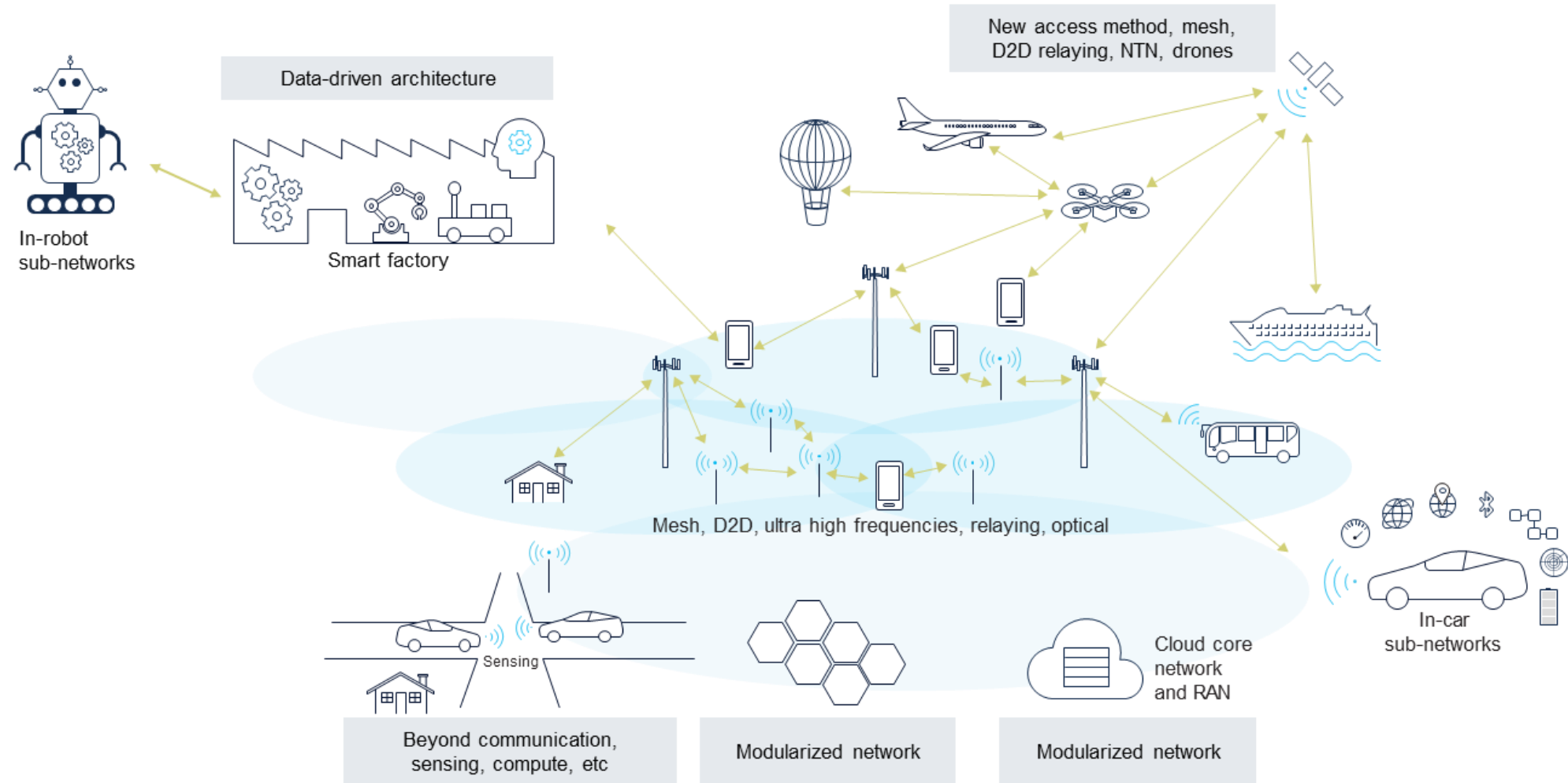


E2E system validation

WP3 6G architecture design



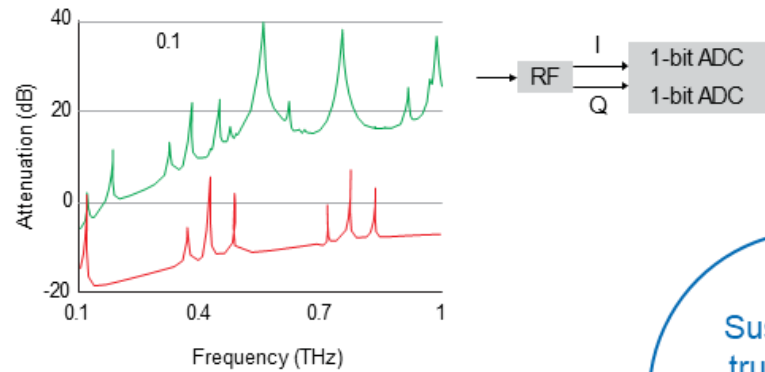
In-robot sub-networks



WP4 Radio evolution and innovation



Towards THz communications



Joint communications and sensing

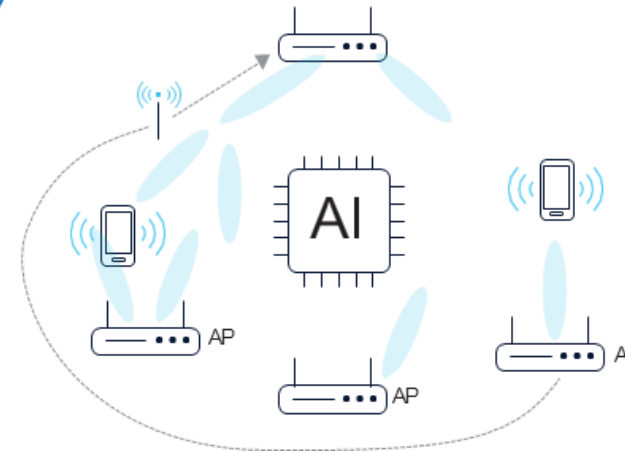


Flexible spectrum access solutions

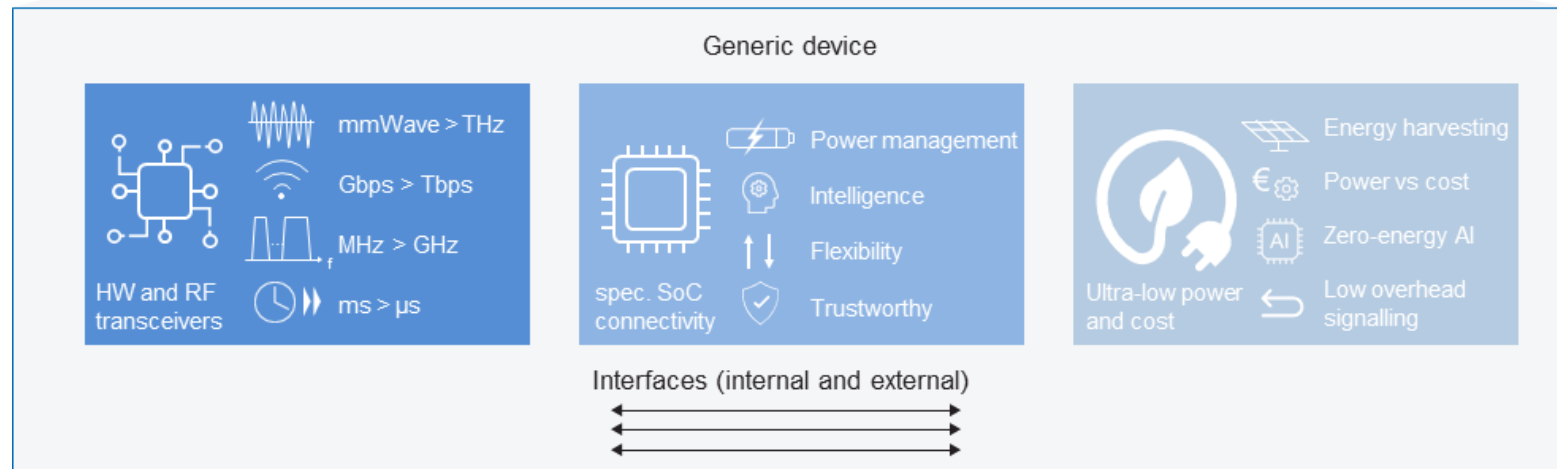
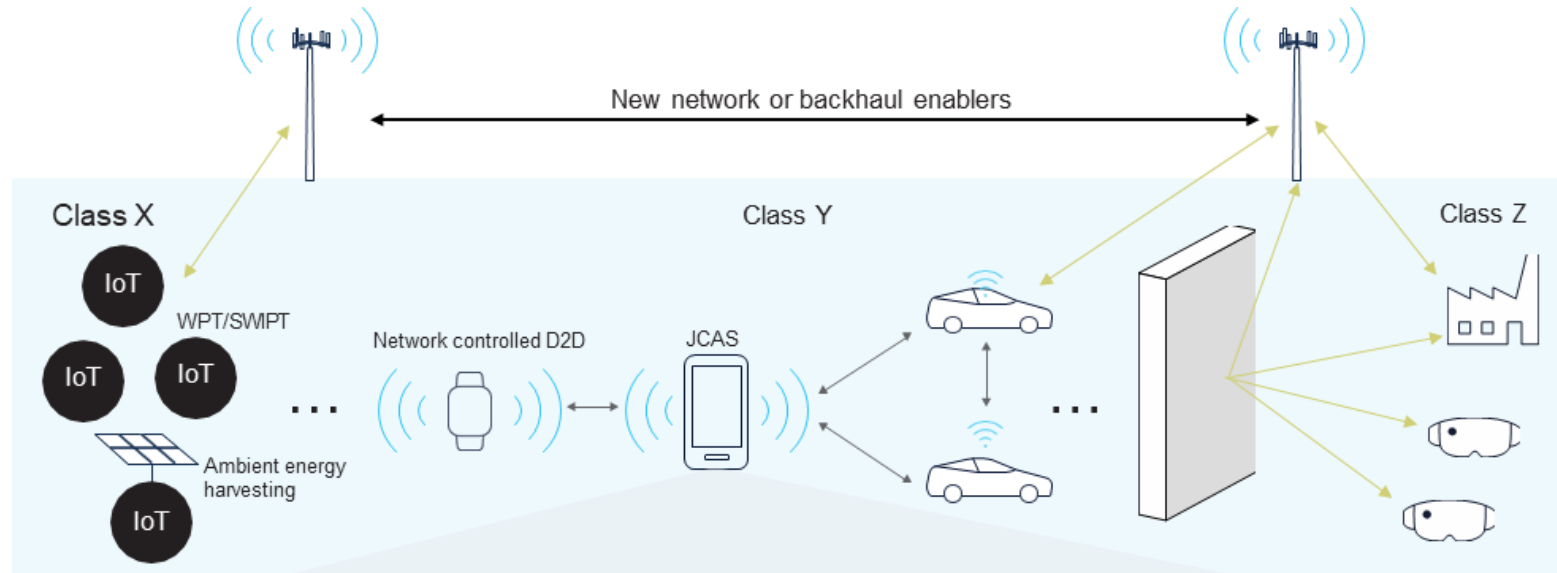


Sustainable,
trustworthy,
inclusive and holistic
radio design

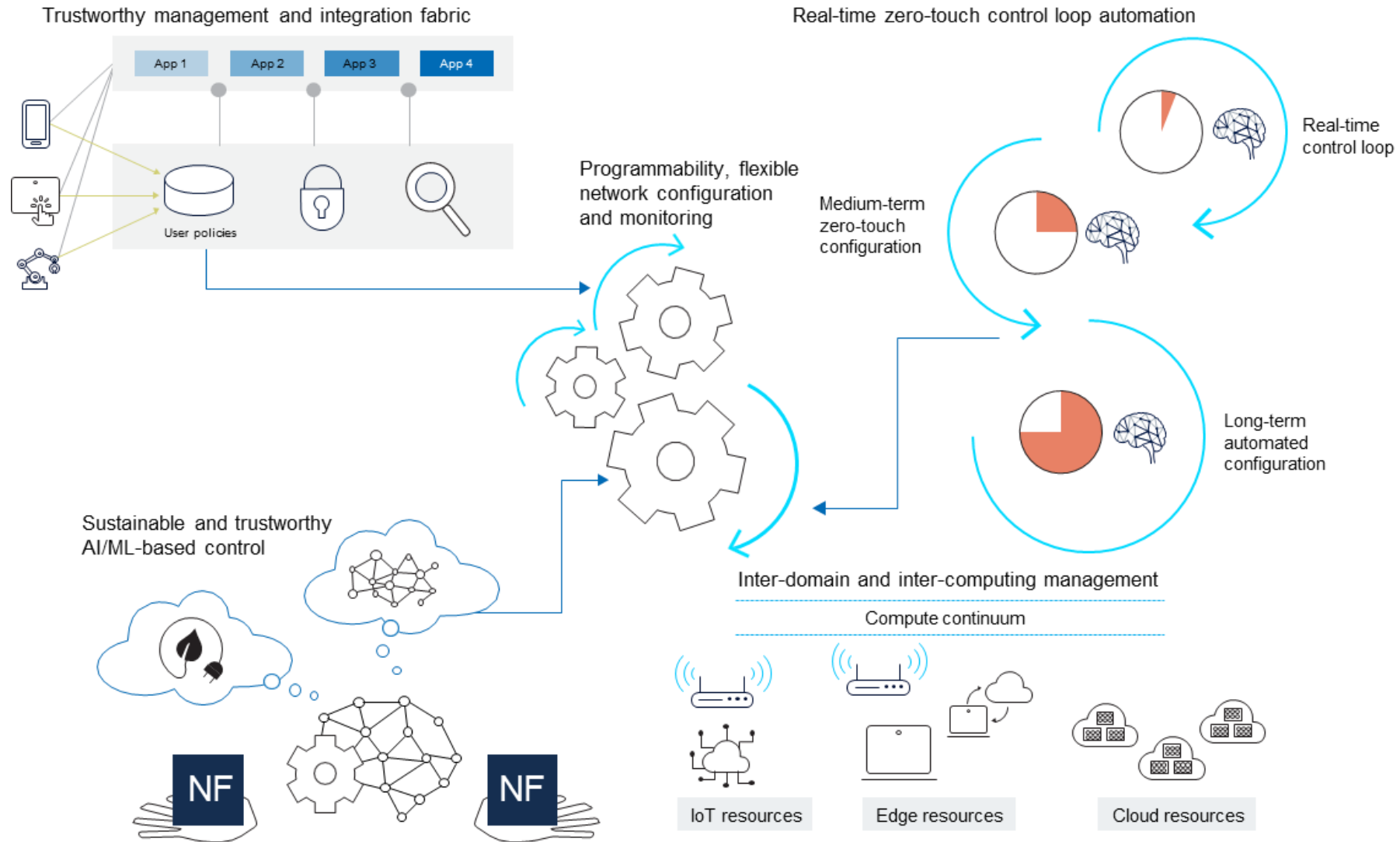
Intelligent radio air-interface design



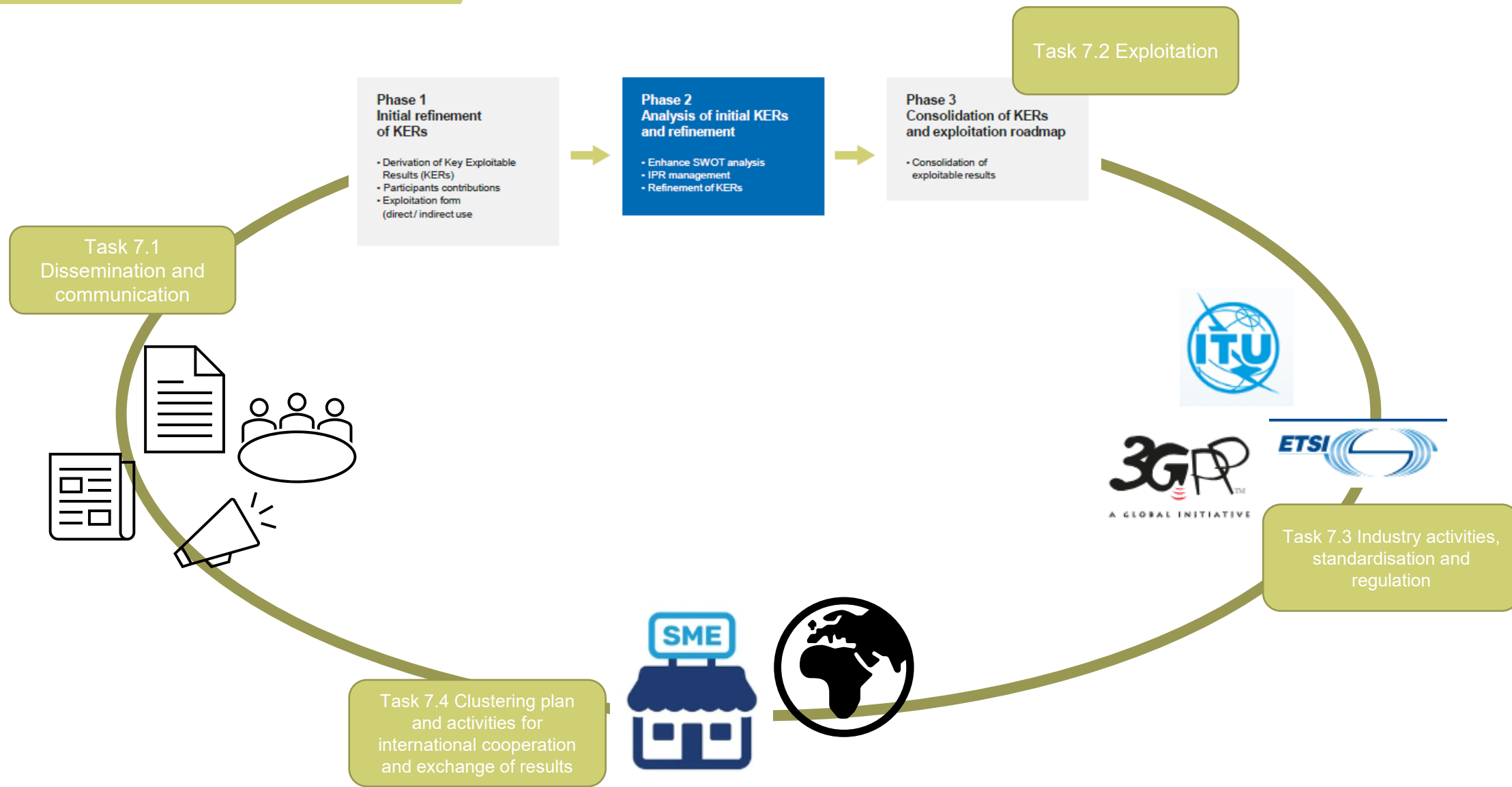
WP5 Future devices and flexible infrastructure



WP6 Smart Network Management




WP7 Impact and Dissemination



WP7 Getting Involved



 HEXA-X-II

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News

Deliverables

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European level 6G Flagship project

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WP7 Getting Involved

Show off your ideas

Hexa-X-II aims to involve startups and SMEs willing to take advantage of the innovations and knowledge skills developed by the project.

If you are an innovative SME your ideas are expected to exert a positive broad impact on the European industry in the 6G global market and will be visible to more than 400 industries of the [6GIA Program](#).

Apply here to experiment your 6G Idea!

SUBMIT YOUR IDEA



Questions?

For further questions or additional information, reach out to hexa-x-ii@piu-innovazione.org. The Hexa-X-II team is dedicated to assisting you throughout the submission journey.



Call for ideas for Hexa-X-II



SHARE

This Call for Ideas represents a unique opportunity for SMEs and startups willing to challenge themselves to show their offers to large telecom operators, ICT vendors and other key telecom players and technology providers to exploit future 6G capabilities. Hexa-X-II, the European level 6G Flagship project gathering important European industries (see the full list here: <https://hexa-x-ii.eu/consortium/>), aims to involve startups and SMEs willing to take advantage of the innovations and knowledge skills developed by the project. Hexa-X-II will design a system blueprint aiming at the sustainable, inclusive, and trustworthy 6G platform that should meet the future needs of serving and transforming society and business. The work in Hexa-X-II expands from research to systemization analysis, early validation, and proof of concept. It progresses from the 6G key components that connect the human, physical, and digital worlds to advanced technology readiness – validated technology – including key aspects of modules, protocols and interfaces, and data. Your ideas are expected to exert a positive broad impact on the European industry in the 6G global market and will be visible to more than 400 industries of the 6GIA Program (<https://6g-ia.eu/>). Your idea will be evaluated by an International Team. Apply here to experiment your 6G Idea and meet the industrial partners and the telco operators of the Hexa-X-II Consortium (<https://hexa-x-ii.eu/consortium/>). For additional information contact: hexa-x-ii@piu-innovazione.org.

PRODUCT TYPES

Service

Other

INDUSTRIES

CALL FOR IDEAS FOR HEXA-X-II

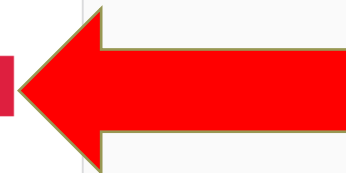
Launch date:

November 20, 2023, 23:59:59 UTC

Deadline date:

Rolling Application

[CLICK HERE TO APPLY](#)





HEXA-X-II.EU //   

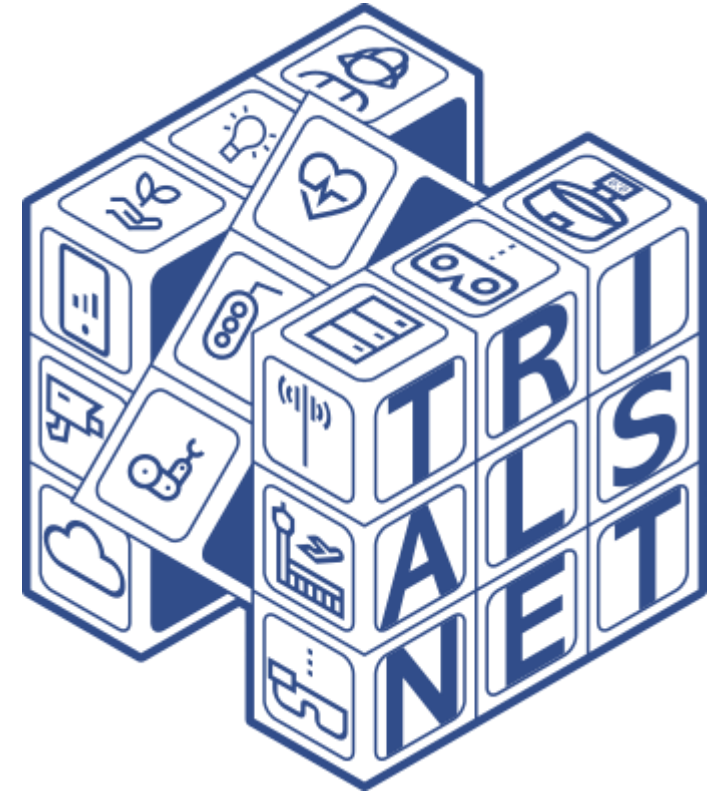


Hexa-X-II project has received funding from the Smart Networks and Services Joint Undertaking (SNS JU) under the European Union's Horizon Europe research and innovation programme under Grant Agreement No 101095759.

TrialsNet Open Call

TrialsNet Overview

Giancarlo Sacco (Ericsson Telecomunicazioni S.p.A.)
2023-12-07



TrialsNet in a nutshell

- **Programme:** European Union's Horizon-JU-SNS-2022 Research and Innovation
- **Project No.** 101095871
- **Project Name:** TRials supported by Smart Networks beyond 5G
- **Call:** HORIZON-JU-SNS-2022
- **Topic:** HORIZON-JU-SNS-2022-Stream-D-01-01
- **Type of Action:** HORIZON-JU Innovation Action (IA)
- **Consortium members:** 22 partners from 5 EU member states and 1 extra-UE state (UK)
- **Duration:** 36 months, starting date 1 January 2023
- **Budget:** €14.647.245 (of which Open Call €5,580,900.00)
- **Project Coordinator:** Silvia Provvedi (Ericsson)
- **Technical Manager:** Alessandro Trogolo (TIM)



Consortium



Vision and goals

- Smart Cities have already attracted attention as one of the possible solutions to improve “livability” and **people’s quality of life**
- **Beyond 5G and 6G** are candidate technologies to positively impact aspects of immense social value as **sustainability, resilience, inclusion, trust, security**, etc.
- TrialsNet vision is to **enable the realization of compelling societal values** through the **implementation of 5G and beyond applications**, which will be propaedeutic for the transition towards the next generation of mobile networks
- TrialsNet will **connect the digital with the physical and natural worlds** through its large-scale trials with verticals in the three domains of:
 - Infrastructure, Transportation, Security & Safety
 - **eHealth & Emergency**
 - **Culture, Tourism & Entertainment**

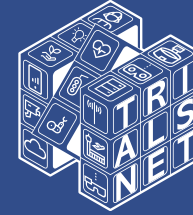


Project main objectives

- TrialsNet will deploy **large-scale trials** incorporating the technologies that are currently considered as key enablers for 6G networks
- TrialsNet will implement **13 innovative** use cases in **4 clusters** covering the three vertical domains of i) Infrastructure, Transportation, Security & Safety, ii) **eHealth & Emergency**, and iii) **Culture, Tourism & Entertainment**
- TrialsNet will develop appropriate **technical and socio-economical assessment frameworks** in order to validate proper KPIs/KVIs to contribute towards **standardization/SNS JU streams** and the **societal early-adoption** of 6G solutions
- TrialsNet **expected impacts** will be **further strength** through the **Open Call** that will bring onboard new key actors and vertical use cases



TrialsNet



Thank you

www.trialsnet.eu

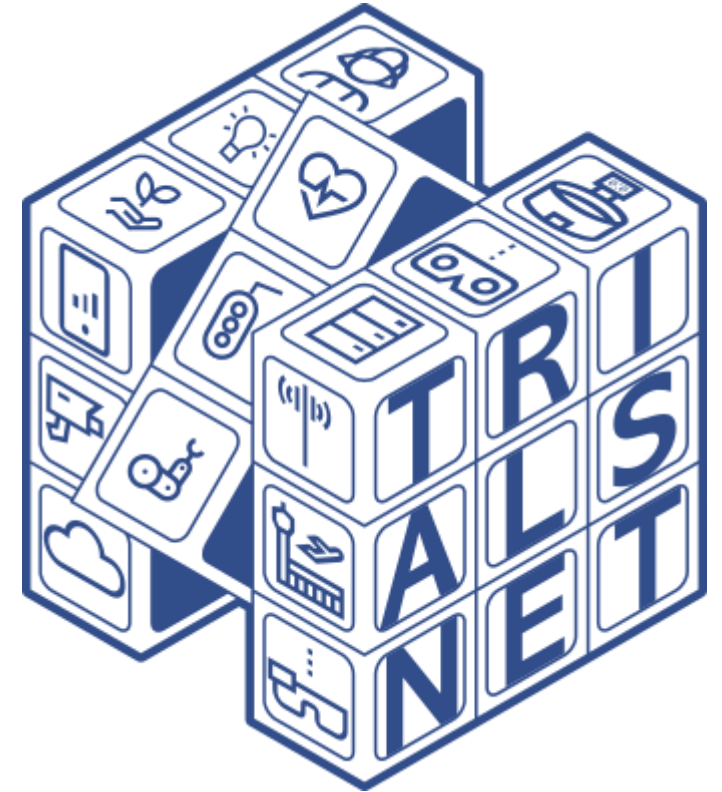


TrialsNet project has received funding from the European Union's Horizon-JU-SNS-2022 Research and Innovation Programme under Grant Agreement No. 101095871

TrialsNet webinar for Open Call applicants

OPEN CALL PROCESS TERMS AND CONDITION

Maurizio Cecchi, Barbara Ferraioli (PIIU)
30/11/2023



The overall goal of TrialsNet Open Call is to reach two main added values of the project:

- Involving **new key actors committed to perform beyond 5G field trials** for diversified and heterogeneous vertical use cases covering key industrial and societal sectors.
- Ensuring the support of the needed infrastructure to deploy the proposed field trials.

The Open Call will maximize the impact and accelerate adoption of TrialsNet demonstrating flexibility, user acceptance and technology transfer.

Through the Open Call, TrialsNet will ensure wide acceptance and achieve sustainability of its results and foster the further take-up by inviting new users belonging to the project verticals or compatible.

Consortium



Addressable domains

The project invites third parties such as verticals, SMEs, start-ups, research centres or any other relevant entity as well as facilities and infrastructure owners, to undertake a set of new or complementary field trial.

The proposed use cases/trials should address one of the main areas identified by the project:

- eHealth
- Infrastructure
- Environment
- Security & Safety
- Culture
- Education
- Entertainment
- Transportation



Open Call objectives

TrialsNet is giving the opportunity to the applicants of the Open Call to participate through two different options:

Option 1:

- **a)** New use case(s) and field trials supported by one or more TrialsNet infrastructures in terms of platforms and network solutions,
- **b)** improvement of its use case(s) by the involvement of new users and the integration of software applications, features, devices, datasets.

Option 2:

- New use case(s) leveraging on new additional field trial infrastructures such as experimental, private, and/or commercial network deployments.



Grant offered

- TrialsNet allocates in total €5.580.900 to provide financial support to the selected applicants.
- Each of them will run for an indicative period of 12 months.

The selected applications will receive a funding up to:

- €200,000 (under option 1)
- €300,000 (under option 2).
- A single applicant may receive up to € 200,000.



Terms of the Call

- **Proposals submission deadline:** The application form shall be completed any time between the launch of the Open Call and the **19th of January 2024 at 17:00 CET**.
- **Submission portal:** The proposals shall be submitted through the [Funding Box tenders portal](#).
- **Proposal evaluation:** The evaluation is limited to 60 eligible proposals; priority will be given by the time stamp of the completion and submission of the proposal.



Submitted proposals must meet the following criteria

- Proposal should be presented by consortia of legal organizations registered in a Member State of the European Union or in a Horizon Europe Associated Country.
- Compliance with TrialsNet Ethics guidelines (these Guidelines will be provided to the selected applicants during the contractual phase)

Proposal should respect the size limit according to the template; see the limits mentioned in:

- the FundingBox application form
 - the Proposal template available in the project website
- The language of the applications must be in English.



Feasibility check

- The feasibility check is not compulsory but the Open Call proposers may contact the TrialsNet consortium and share their intentions in order to verify the feasibility of the proposals to be implemented in the scope of the project and to receive initial feedback on the proposal planned activities.
- To perform the feasibility check, a description of planned experiment must be sent to opencall@trialsnet.eu
- In the e-mail subject line or first line of the e-mail text, the short name of the proposal and TrialsNet facilities planned to be used in the experiment/implementation must be mentioned.
- The feasibility check template can be found on the open call landing page of TrialsNet
- Feasibility check deadline: 10 December 2023 at 17:00 CET (Brussels local time)



Financial and administrative terms

- The funding is 100% of the proposed and submitted costs , including 25% of overheads
- The costs should be treated as all other Horizon Europe cost : see the Horizon Europe Annotated Grant Agreement
- A suggested budget template can be found on the open call webpage (to be uploaded as pdf in the Funding Box application form)

| Item | PMs | Cost (€) |
|--|-----|----------|
| 1. Personnel costs | | |
| 1. Other direct costs (travels) | | |
| 1. Other direct costs (equipment) | | |
| 1. Other direct costs (other goods and services) | | |
| 1. Total direct costs (sum of rows 1, 2, 3, and 4) | | |
| 1. Indirect costs (25 % of row 5) | | |
| 1. Total eligible costs (sum of rows 5 and 6) | | |
| 1. Requested funding | | |

- Please provide one table for each partner (in case of small consortium).

- For Option 1 proposal the TrialsNet testing sites will be available with different timelines depending on the addressed cluster/testing area
- **New partners are expected to be onboarded into TrialsNet's activities beginning of May 2024 (formal starting of the Grants contracts).**
- We expect to trial some use cases in a preliminary version very soon

Support material

- Guide for Applicants (**updated 26/10/2023**)
- Declaration of Honour for Applicants
- TrialsNet Sites and Use Cases description
- TrialsNet framework and KPIs/KVIs overview
- Feasibility Check Form
- Proposal template (**new!**)
- Budget Request template (**new!**)

Please refer to our dedicated FAQs page for more details.



To conclude

- Two proposals options are available
- Single or multiple beneficiaries (3 max) applications are possible
- The feasibility check is not compulsory but a preliminary check is always welcome
- Further details about TrialsNet sites and related infrastructures, use cases, and the project's overall framework including KPIs/KVIs overview are reported in the documentation provided in the Support Material section of the project website.
- For any further questions, applicants can contact the project at opencall@trialsnet.eu.



TrialsNet



Thank you

www.trialsnet.eu



TrialsNet project has received funding from the European Union's Horizon-JU-SNS-2022 Research and Innovation Programme under Grant Agreement No. 101095871