

**Webinario incentivación de participación en la convocatoria
abierta "Hop-On Facility".
7 de mayo, 2024**



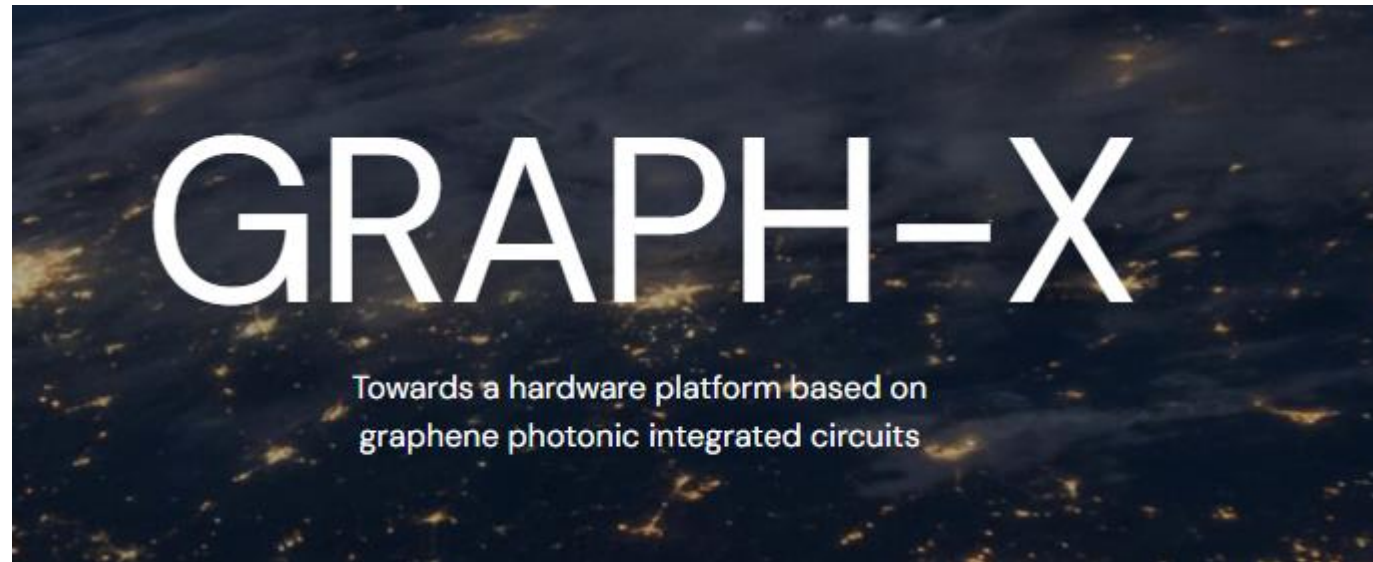
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<https://www.graph-x-project.eu/>

[Cuadro de texto] **Proposal template Part B: technical description**

GRAPHENE PHOTONIC FREQUENCY MIXER (GRAPH-X-HOP ON)	
Ongoing Horizon Europe project: GRAPHENE PHOTONIC FREQUENCY MIXER (GRAPH-X) (101070482)	
The coordinator confirms that all consortium partners are aware and agree on the accession of the new hop on partner to the ongoing Horizon Europe project Graph-X (101070482)	YES
The addition of the widening partner raises new <u>ethical</u> or security issues compared to those already identified (if any) in the current running project?	NO

List of participants

Participant No.	Participant organisation name	Short N.	Country
1 (Coordinator)	Consorzio Nazionale Interuniversitario per le Telecomunicazioni	CNIT	IT
2	The Chancellor Masters and Scholars of the University of Cambridge	UCAM	UK
3	Centre National de la Recherche Scientifique	CNRS	FR
4	Camgraphic SRL	CMG	UK
5	Fondazione Istituto Italiano di Tecnologia	IIT	IT
6	Innovations for High Performance GmbH	IHP	DE
7	Nokia Solutions and Networks Italia Spa	NSN IT	IT
8	Veoneer Sweden AB	VEO	SE
9	Arquimea Research Center	ARC	ES

1. Excellence

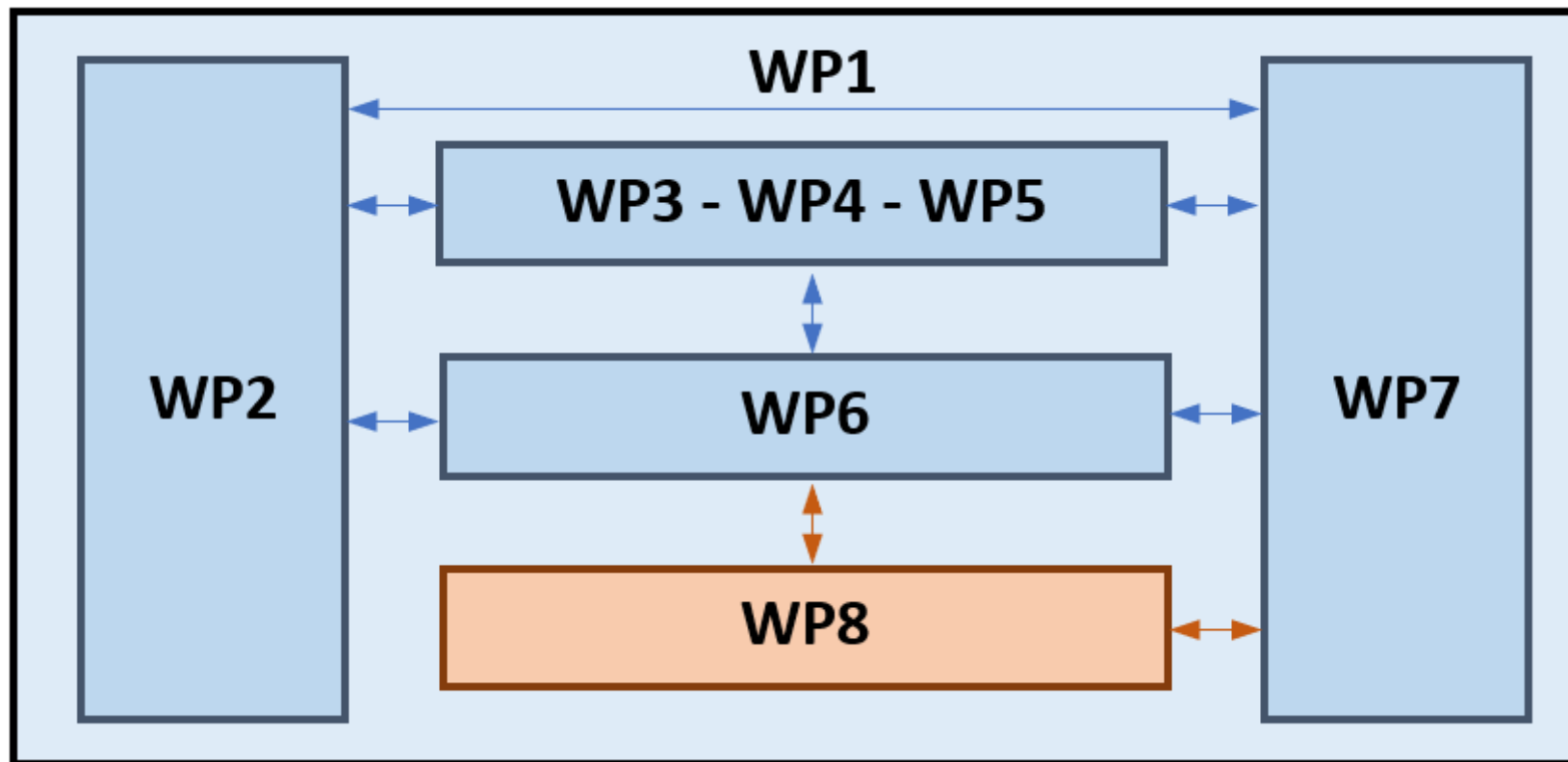
1.1 Objectives and ambition

The objective of GRAPH-X is to develop a revolutionary hardware platform based on graphene-based Photonic Integrated Circuits (PICs) for use in the next generation of wireless communication technology. The project's key component is a novel optoelectronic frequency mixer able to mix two optical wavelengths to access the D and WR4 frequency bands (from 110 to 260 GHz) in order to provide a solution for ultra-high speed and scalable sub-THz

PROPOSAL

Personnel Cost (in €)	151.250,00	20.500,00	171.750,00	
Travels	13.000,00		13.000,00	Consortium meeting, conferences, technical visits
Equipment	0,00		0,00	Removed!
Other goods, works or services: Lab consumables, A	150.000,00		150.000,00	See list below
Subcontracting (in €)	0,00	0,00	0,00	
Indirect costs (in €)			83.687,50	
Total budget (in €)			418.437,50	
Total budget including Vito's fee	0,00	41.250,00	459.687,50	

BUDGET for 18 months



WP 8: Development of on-chip photonic source for optoelectronic mixer feeding

ALGUNAS NOTAS

- En el primer corte aprobaron el 92 % de las propuestas presentadas.
- Esta convocatoria, para empezar en abril de 2025. Ojo tiempos.
- "If an entity from the mainland (FR,ES, PT) is already in the consortium still one of the OR e.g. Martinique, Canaries or Acores could join".
- Sería bueno un incentivo para el resto de socios (no coordinador).