

#innovacion
#ayudascdti
#asesoramiento
#internacionalizacion



Partenariados Digital: Chips, EuroHPC y SNS

Fernando Rico Ríos

28 de enero de 2025



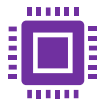
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- Introducción
- *Chips Joint Undertaking*
- *European High Performance Computing Joint Undertaking*
- *Smart Networks and Services Joint Undertaking*
- Conclusiones

Introducción

Partenariados
C4-Digital

Institucionalizados



- Chips (**Chips JU**)

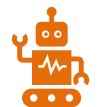


- High Performance Computing (**EuroHPC JU**)



- Smart Networks and Services (**SNS JU**)

Co-programados



- AI / Data / Robotics (**ADRA**)



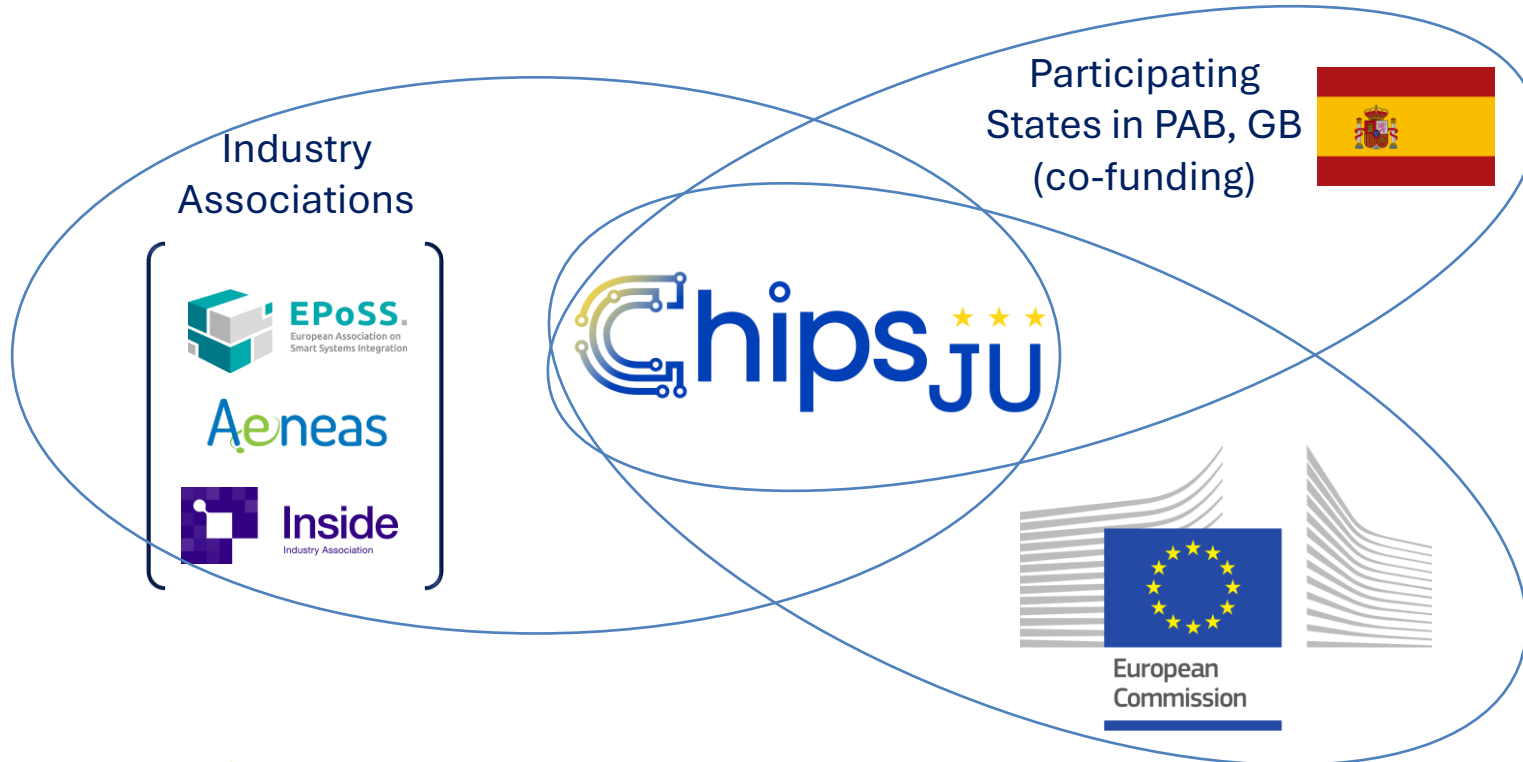
- Photonics



- Virtual Worlds

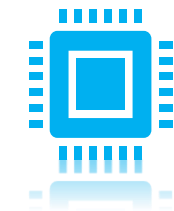
NUEVO

Chips Joint Undertaking



~ 385 M€/año
actividades I+D+I
(~ 600 M€/año
en total)

Chips JU: Estructura



R & I
electronics



HORIZONTE
EUROPA
@HorizonteEuropa

(1) Electronic
Component & Systems

R&I Activities



HE

€1,3 B

(2) Chips for
Europe Initiative

R&I Activities



HE

€1,425 B

Capacities



DEP

€1,45 B



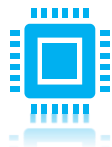
- Pilot lines
- Design Platform
- Competence Centers



MINISTERIO
DE CIENCIA, INNOVACIÓN
Y UNIVERSIDADES



Chips JU: Programa de Trabajo 2025 (I)



Electronic Components & Systems

Call	Topic	Title	Budget (M€)
1- IA	HORIZON-JU-Chips-2025-IA	Global call according to SRIA 2024 (IA)	70
1- IA	HORIZON-JU-Chips-2025-IA-HIA	Heterogeneous integration for high-performance automotive computing	20
1- IA	HORIZON-JU-Chips-2025-IA FT1	RISC-V Automotive Hardware Platform	80
1- IA	HORIZON-JU-Chips-2025-IA FT2	AI-assisted Methods and Tools for Engineering Automation	20
2 - RIA	HORIZON-JU-Chips-2025-RIA	Global RIA call	40
3 - CSA	HORIZON-Chips-2025-CSA	Boosting R&I cooperation between EU and Japan on semiconductors	1

Fechas de cierre:

- HORIZON-Chips-2025-CSA (1 fase): 17/9/2025
- Resto: 1ª FASE: 29/4/2025, 2ª FASE: 17/9/2025

Chips JU: Programa de Trabajo 2025 (II)



Chips for Europe Initiative

Call	Topic	Title	M€	Deadline
Design Platform	Call for Tenders*	Cloud platform for the European Design Platform	15	n.a.
Design Platform	DIGITAL-JU-Chips-2025-CSA-DET*	Set-up and integration of Design Enablement Teams	5	TBD
Design Platform	HORIZON-JU-Chips-2025-RIA-SUP	Support for start-ups and SMEs	220	17-sep-25
Design Platform	HORIZON-JU-Chips-2025-IA-EDA**	Open-source EDA tools development	20	29/4/25, 17/9/25
Design Platform	HORIZON-JU-Chips-2025-CSA	A Pan-European infrastructure for Chips Design Innovation	12	29 Apr-25
AI Chips	HORIZON-Chips-2025-1-IA-LEAI**	Low-power Edge AI Chips	20	29/4/25, 17/9/25
Substrates	DIGITAL-JU-Chips-2025-SG-SSOI*	Accelerator for Advanced Strained Silicon on Insulator Substrates	30	17-sep-25
Quantum	HORIZON-JU-Chips-2025-FPA-QAC3	Establishing Framework Partnership Agreements for developing Quantum Chip Technology for stabilityPilot Lines	0	TBD
Quantum	HORIZON-JU-Chips-2025-SGA-QAC1	Supporting developing Quantum Chip Technology for stabilityPilot Lines	50	TBD
Quantum	HORIZON-JU-Chips-2025-SGA-QAC2	Supporting developing Quantum Chip Technology for high-quality Trapped Ions Pilot Line	20	TBD

(*) Convocatorias fuera de Horizonte Europa (Licitaciones y Programa DE)

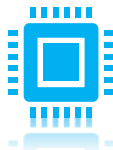
(**) Líneas en 2 fases: 1ª FASE: 29/4/2025, 2ª FASE: 17/9/2025

Chips JU: Cofinanciación



Type of Beneficiary	General IA	Focus Topic IA	General RIA	CSA
Large Enterprise	20%	25%	25%	100%
SME	30%	35%	35%	100%
University/Other (not for profit)	35%	35%	35%	100%

* Los porcentajes pueden variar para líneas específicas



Enterprise / SME



University/Other (not for profit)



Chips JU: Administraciones españolas



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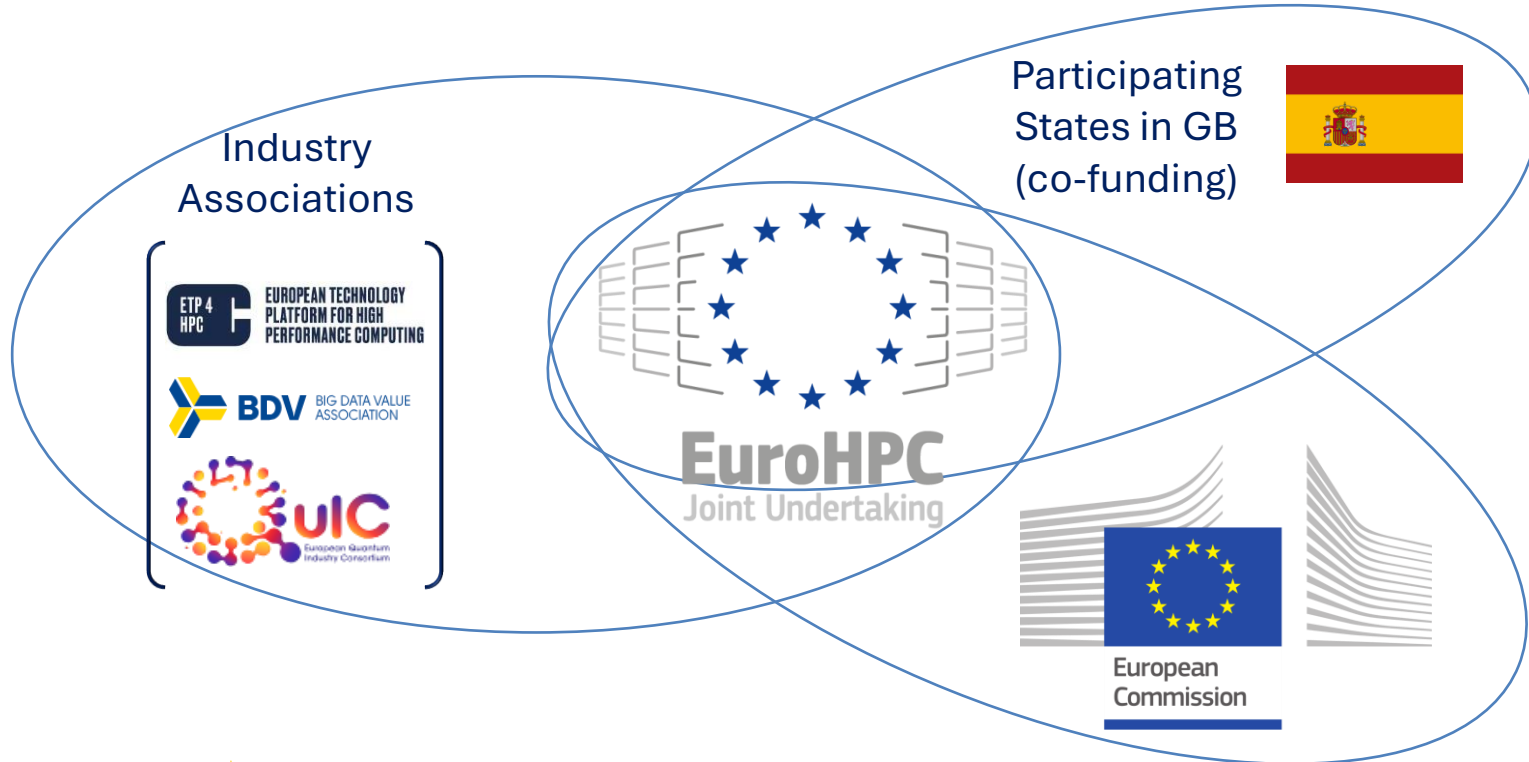
Agencia Estatal de
Investigación



Enrique Pelayo
enrique.pelayo@cdti.es

<https://www.chips-ju.europa.eu/>

EuroHPC Joint Undertaking



~ 128 M€/año
actividades I+D+I
(~ 440 M€/año
en total)

EuroHPC JU: Estructura

~ 1.981 M€

Siete pilares para 2025

~ 900 M€



HORIZON EUROPE



~ 200 M€



Co-financiación nacional en la
mayor parte de las áreas

<https://eurohpc-ju.europa.eu/>

EuroHPC JU: Programa de Trabajo 2025

[Programa de Trabajo para 2025](#) (*placeholder* aprobado el 4 de diciembre de 2024, fechas, objetivos y presupuestos concretos aún por determinar)

[Programa de Trabajo para 2024](#) (con líneas aún por ejecutar, séptima enmienda aprobada el 11 de diciembre de 2024)

[Convocatoria de acceso a recursos de supercomputación](#)

[Convocatoria de desarrollo de proyectos de I+D+I](#)

<https://eurohpc-ju.europa.eu/>

EuroHPC JU: Administraciones españolas



Agencia Estatal de Investigación



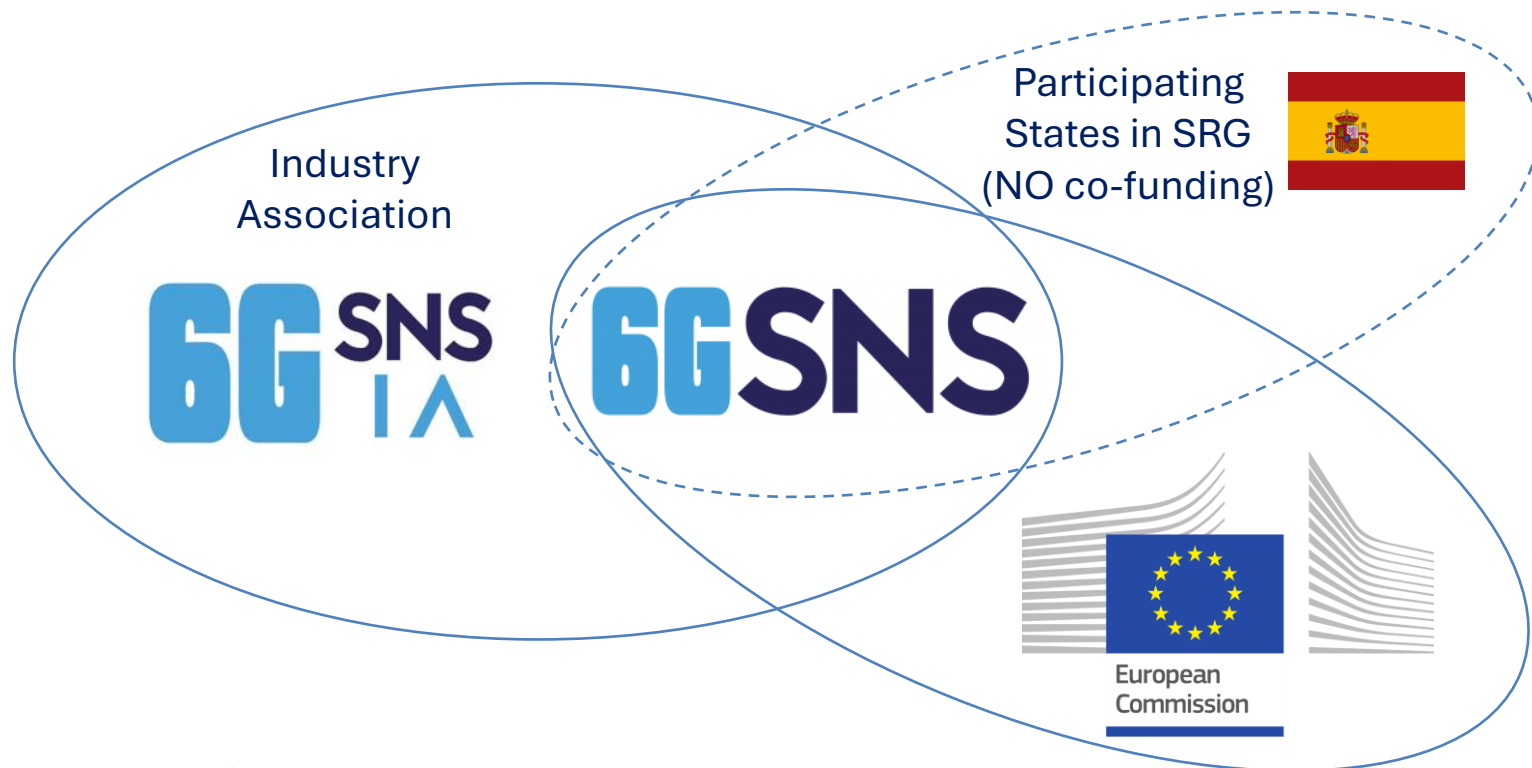
Inmaculada Figueroa
inmaculada.figueroa@ciencia.gob.es

Agencias co-financiadoras:



<https://eurohpc-ju.europa.eu/>

Smart Networks and Services Joint Undertaking



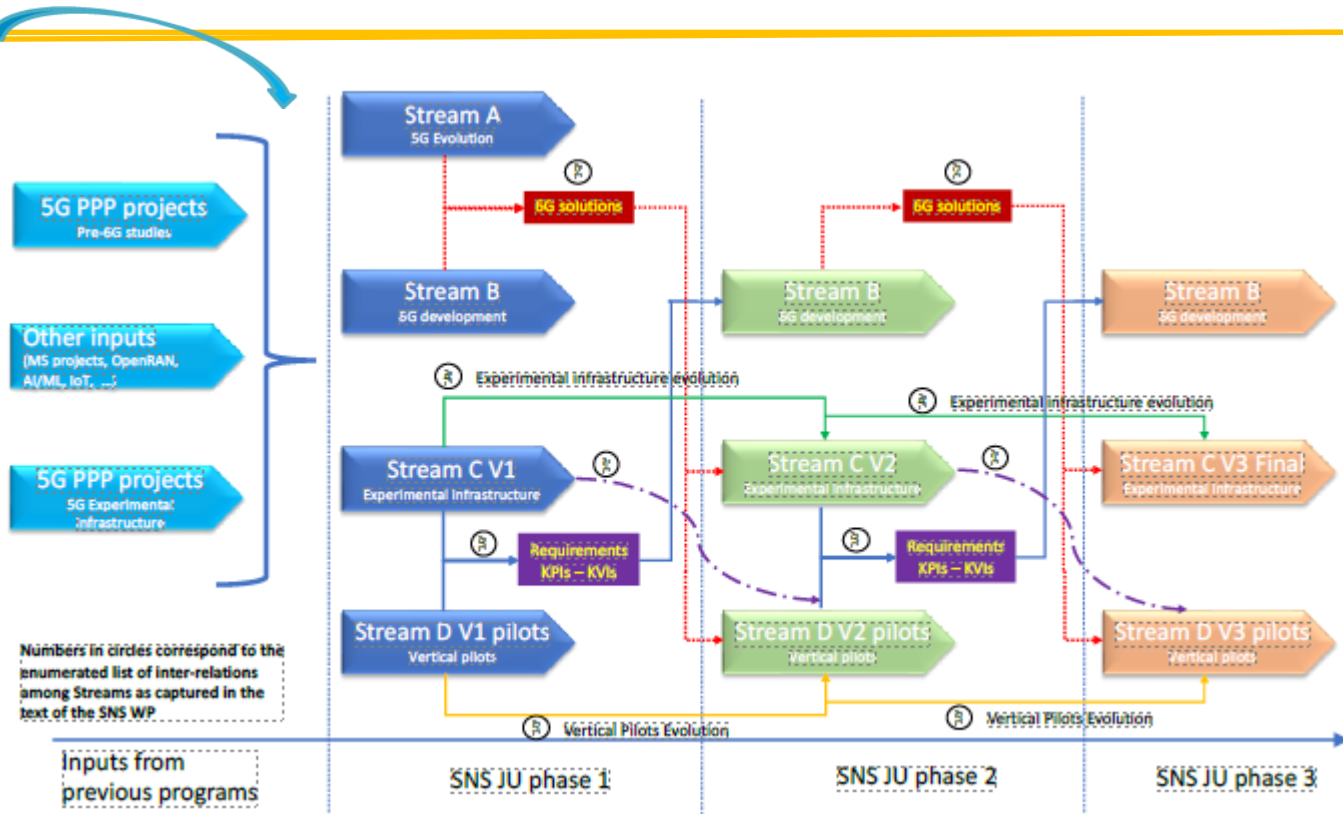
~ 900 M€

SNS JU: Estructura



HORIZON EUROPE

~ 128 M€/año
actividades
I+D+I



SNS JU: Programa de Trabajo 2025 (PROVISIONAL)

Streams / Topics	Call 2025 Topic Budget (in M€)
HORIZON-JU-SNS-2025-STREAM-B (RIA)	
01-01: Advanced Architectures Systems and Technologies	15.0
01-02: Advanced IoT and Device Technologies	9.0
02: Wireless Communication Technologies and Signal Processing	21.0
03-01: 6G NTN-TN Unification/Integration	8.0
03-02: Higher Speed Optical Access Networks and future end-to-end Packet Optical Network Architecture in 6G	8.0
04-01: Smart Security / Security Services	8.0
04-02: Reliable Services Operation	8.0
05: Microelectronic – Front-End Module (FEM)	12.0
HORIZON-JU-SNS-2025-STREAM-C (RIA)	
01: 6G Telco Cloud and Service Provision enablers	15.0
HORIZON-JU-SNS-2025-STREAM-D (IA)	
01: SNS Trials and Pilots (T&Ps) with Verticals	24.0
Total (M€)	128

enero – abril 2025

SNS JU: Miembros del *States Representatives Group* (SRG)

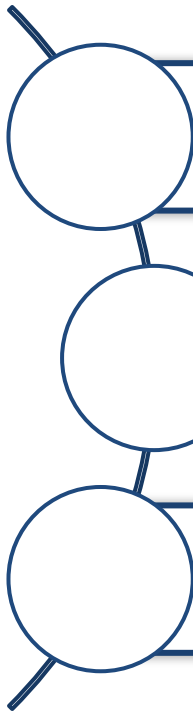


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<https://smart-networks.europa.eu/>



Reglamentos propios e independientes de HE

Iniciativas centradas en (multi)tecnologías específicas

Pueden contener actividades más allá de I+D+I



+ info sobre programas y ayudas
para la
internacionalización de la I+D+I española



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