



Digital fika about cluster 4 – Destination 3

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Horizon Europe 2021-2027



Cluster 4. Digital, Industry and Space

- **Destination 1:** Climate neutral, circular and digitised production
- **Destination 2:** A digitised, resource-efficient and resilient industry
- **Destination 3:** World leading data and computing technologies
- **Destination 4:** Digital and emerging technologies for competitiveness and fit for green deal
- **Destination 5:** Strategic autonomy in developing, deploying and using global space-based infrastructure, services, applications and data
- **Destination 6:** A human-centered and ethical development and industrial technologies

World-Leading Data and Computing Technologies

[Strategical plan for Horizon Europe 2025-2027](#) lines out the impacts for cluster 4

17. Developing an agile and secure single market and infrastructure for data-services and trustworthy artificial intelligence services

- **WP 2021-2022**
 - Data sharing in the common European data spaces
 - From Cloud to Edge to IoT for European Data
 - Strengthening Europe's data analytics capacity
- **WP 2023-2024**
 - Data Sharing and analytics capacity
 - From Cloud to Edge to IoT for European Data
- **WP 2025 (DRAFT)**
 - Connected Collaborative Computing Networks (3C networks)
 - AI-GenAI / Data / Robotics

What is it not ... applied

- The other clusters in Horizon is though:
 - Health
 - Culture, Creativity & Inclusive Society
 - Civil security
 - Climate, Energy & Mobility
 - Food, Bioeconomy, Natural Resources, Agriculture & Environment

What is it also not ... bottom-up

- The other pillars in Horizon is though:
 - Pillar 1
 - MSCA, researcher mobility grants
 - ERC, principal investigator driven grants
 - Pillar 3
 - EIC, Small & medium sized businesses grants, loans and investments

Types of projects

- **Research and innovation action (RIA)** that establishes new knowledge and/or explores a new or improved technology, product, process, service or solution.
- **Innovation action (IA)** that produces plans or designs for new or improved products, processes or services including prototyping, testing, demonstrating, piloting, large-scale product validation and market replication.

Destination 3 projects with Swedish organisations (2025-02-06)

Project Acronym	Project Title	Project Number	Topic Description
	Totals		
SovereignEdge.Cognit	A Cognitive Serverless Framework for the Cloud-Edge Continuum	101092711	Cognitive Cloud: AI-enabled computing continuum from Cloud to Edge (RIA)
DECICE	Device-Edge-Cloud Intelligent Collaboration framEwork	101092582	
AC3	Agile and Cognitive Cloud edge Continuum management	101093129	
CODECO	Cognitive Decentralised Edge Cloud Orchestration	101092696	
INTEND	Intent-based data operation in the computing continuum	101135576	Cognitive Computing Continuum: Intelligence and automation for more efficient data processing (AI, data and robotics partnership) (RIA)
NexusForum.EU	Consolidating Research and Policy along the Cognitive Computing Continuum	101135632	Coordination and Support of Cognitive Computing Continuum research and policy (CSA)
EFRA	Extreme Food Risk Analytics	101093026	Extreme data mining, aggregation and analytics technologies and solutions (RIA)
COP-PILOT	Collaborative Open Platform for PILOTing services across emerging smart IoT and Edge computing environments	101189819	Piloting emerging Smart IoT Platforms and decentralized intelligence (IA)
O-CEI	Open CloudEdgeIoT Platform Uptake in Large Scale Cross-Domain Pilots	101189589	
TANGO	Digital Technologies ActiNg as a Gatekeeper to information and data fLOws	101070052	Technologies and solutions for compliance, privacy preservation, green and responsible data operations (AI, Data and Robotics Partnership) (RIA)
TRUSTEE	TRUST AND PRIVACY PRESERVING COMPUTING PLATFORM FOR CROSS-BORDER FEDERATION OF DATA	101070214	

Relevant partnerships/initiatives

- Connected Collaborative Computing Networks (3C networks)
 - [IPCEI Next Generation Cloud Infrastructure and Services \(IPCEI CIS\) - Deutsche Telekom AG / DTAG-IPCEI-CIS \(Bonn\) - European Commission](#)
 - [Partnership for European Supercomputers; Homepage - EuroHPC JU](#)
 - [6G SNS Partnership](#) – Stream C och D
 - [Common European Data Spaces | Shaping Europe's digital future](#)
- AI-GenAI / Data / Robotics
 - Partnership on AI, Data and Robotics: [Adra Association: Adra Strategic Research Jul24_v2-2_0.pdf](#)
 - [Commission launches AI innovation package](#)
- Other funding programmes
 - [Digital Europe Programme - European Commission \(DIGG\)](#)
 - [Connecting Europe Facility - European Commission](#)
 - [Connecting Europe Facility - European Commission \(PTS\)](#)

6G SNS

Stream B

Research for radical technology advancement towards 6G definitions



HORIZON-JU-SNS-2025-STREAM-B (RIA)

01-01: Advanced Architectures Systems and Technologies

01-02: Advanced IoT and Device Technologies

02: Wireless Communication Technologies and Signal Processing

03-01: 6G NTN-TN Unification/Integration

03-02: Higher Speed Optical Access Networks and future end-to-end Packet Optical Network Architecture in 6G

04-01: Smart Security / Security Services

04-02: Reliable Services Operation

05: Microelectronic – Front-End Module (FEM)

Stream C

SNS experimental infrastructures and platforms



HORIZON-JU-SNS-2025-STREAM-C (RIA)

01: 6G Telco Cloud and Service Provision enablers

Stream D

Large-scale trials and pilots with verticals.



HORIZON-JU-SNS-2025-STREAM-D (IA)

01: SNS Trials and Pilots (T&Ps) with Vertical

[Current Call for Proposals - SNS JU](#)

[Strategical Reserach and Innovation Agenda: sns-ju-sria-2021-2027-second-edition-2023.pdf](#)

[Existing projects; Interactive map of SNS projects - SNS JU](#)

SNS JU Call 3 Projects Introduction Webinars 14 and 17th February [SNS JU](#)
[Call 3 Projects Introduction Webinars - SNS JU](#)

6G SNS projects with Swedish participants*: 17,5 MEURO EU contribution

Project Title (data base from start of HEU until 2025-02-01)	Project Acronym	Project Number
Stream A		
AI-powered eVolution towards opEn and secuRe edGe architEctures	VERGE	101096034
Stream B		
A Dual-frequency Distributed MIMO Approach for Future 6G Applications	6GTandem	101096302
A holistic flagship towards the 6G network 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-II	101095759
DETERMINISTIC E2E COMMUNICATION WITH 6G	DETERMINISTIC6G	101096504
Towards Energy-Efficient Tbps Wireless Links	TeraGreen	101139117
6G-DISAC: 6G for Distributed Intelligent Sensing and Communication	6G-DISAC	101139130
SmaRt, AutOmated, and ReliaBle SecUrity Service PlaTform for 6G	ROBUST-6G	101139068
Efficient, portabLe And Secure orchesTration for reliable servICes	ELASTIC	101139067
Fourier-Domain TRx solutions enabling widespread realisation of 6G	FirstTo6G	101139167
SUSTainability-Advanced and Innovative Networking with 6G	SUSTAIN-6G	101191936
6G haRdware Enablers For cEll fRee cohEreNt Communications & sEnsing	6G-REFERENCE	101139155
Efficient Confluent Edge Networks	ECO-eNET	101139133
6G Non Terrestrial Networks	6G-NTN	101096479
LEArning-Driven and Evolved Radio for 6G Communication Systems	6G-LEADER	101192080
ETHER – sElf-evolving terrestrial/non-Terrestrial Hybrid nEtwoRks	ETHER	101096526
AI-Enhanced fibre-Wireless Optical 6G network in support of connected mobility	6G-EWOC	101139182
Stream C		
SUStainable federationN of Research Infrastructures for Scaling-up Experimentation in 6G	SUNRISE-6G	101139257
Stream D		
6G-PATH: 6G Pilots and Trials Through Europe	6G-PATH	101139172
CSA		
SUPPORTING THE SNS JU OPERATIONS	SNS OPS	101095811
SNS COLLABORATIVE OPERATIONS AND OUTPUT OPTIMISATION	SNS CO-OP	101192000

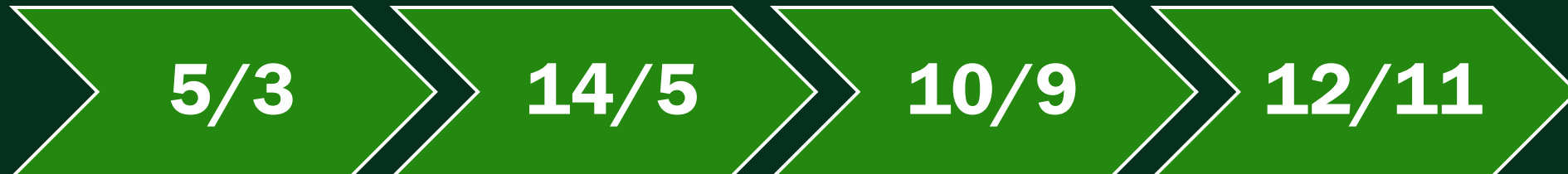
*database from start of HEU until 2025-02-01

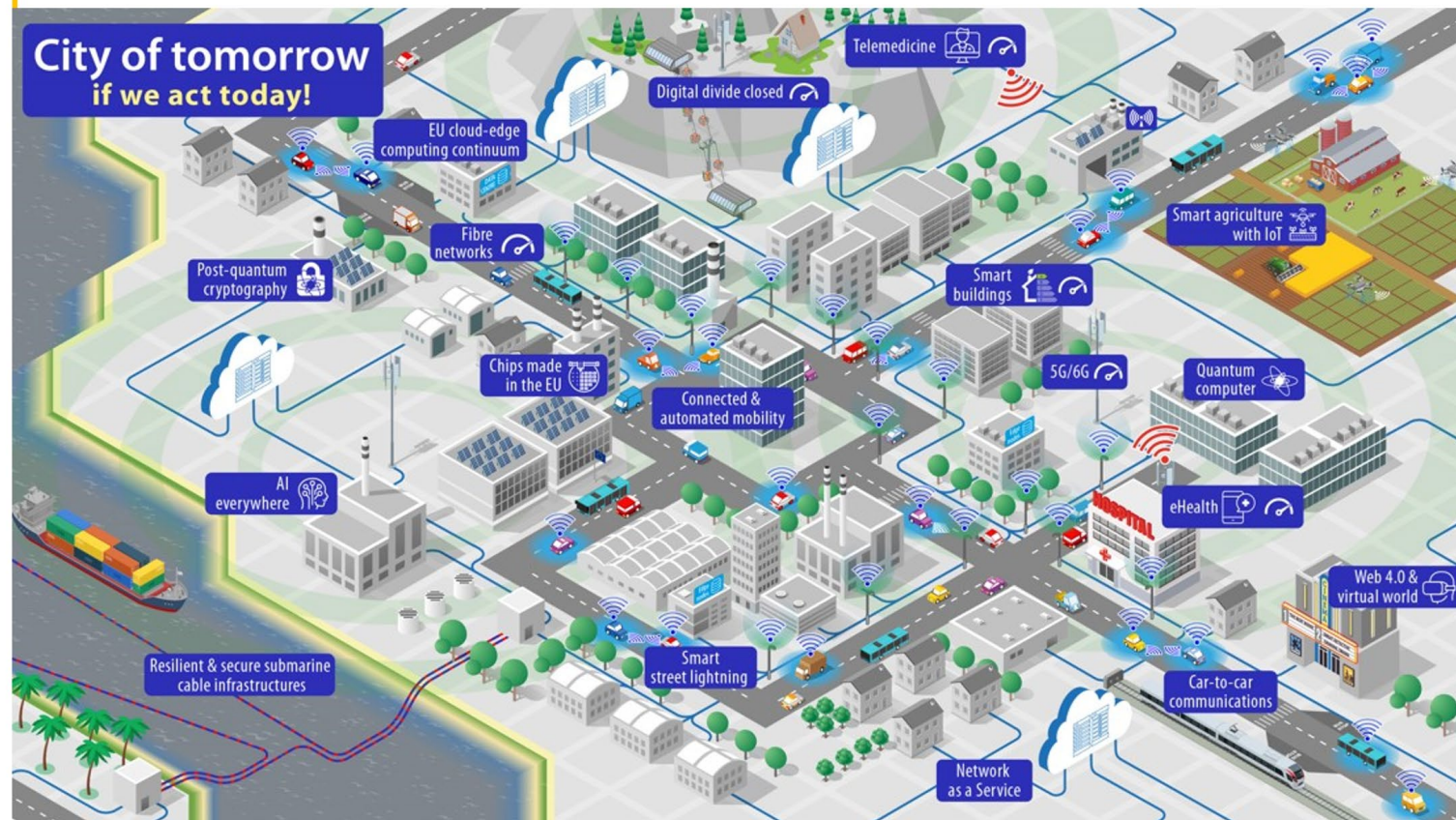
Events

- **Brokerage event** : [20 February 2025 09:00–18:00 ADRA Brokerage Event 2025 | Adra Association](#)
 - For the duration of the day, we aim to facilitate match-making and networking opportunities for the attendees. The event can boost your efforts in developing high-quality proposals **for upcoming HE WP calls**, to build consortia, and exchange ideas and experiences between experts worldwide.
- TBC: **Digital matching for cluster 4** (Digital part), 19th March afternoon with Austria, Belgium, Finland, Norway Netherlands
- **Cluster 4 Infoday from the commission**: The commission will organize an information meeting for Cluster 4 on 13-14 May: [online](#)
- Physical event to mobilize for WP2025 at Vinnova on 27th March 10.00-15.00 [Horisont Europa- Vilka möjligheter erbjuder 2025? | Vinnova](#)
- **Newsletter**:
 - [Vinnovas Nyhetsbrev för Horisont](#)
 - [Kluster 4: Digitala frågor, industri och rymd](#)

Planning grant

- Who can apply?
 - Swedish organisations - academic actors, research institutes, public sector, civil society or SMEs ... who are planning to design an application for a research and innovation project for an international call
- < 300 000 SEK Plan to apply for an international call
- < 500 000 SEK Plan to coordinate an international project
- The identified international call must be published at the time of the application
- [Planning grant for international proposal 2025 | Vinnova](#)
- [Informationsmöte om planeringsbidrag inför internationell ansökan | Vinnova](#), 22 feb kl 14-15.00





White Paper - How to master Europe's digital infrastructure needs? | Shaping Europe's digital future

Digital fika - Pilots

- Upcoming Digital coffee cluster 4, Fridays 11.00-11.45, same link, no registration, in English
 - 14/2 Destination 4
 - 21/2 Destination 5
 - Sport holidays
 - 7/3 Destination 6,
 - 14/3 Destination 1
 - 21/3 Destination 2
 - Send your feedback to Jeannette.spuhler@vinnova.se
- Missions, on Tuesdays, 11.00-12.00, registration needed, in Swedish



Tack!



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