

SCoDIHNet service offer

SNS-ICE on-line Webinar

Monday, 2 December 2024, 12.00-13.00 CET

Pierre-Yves Danet, 6G-IA



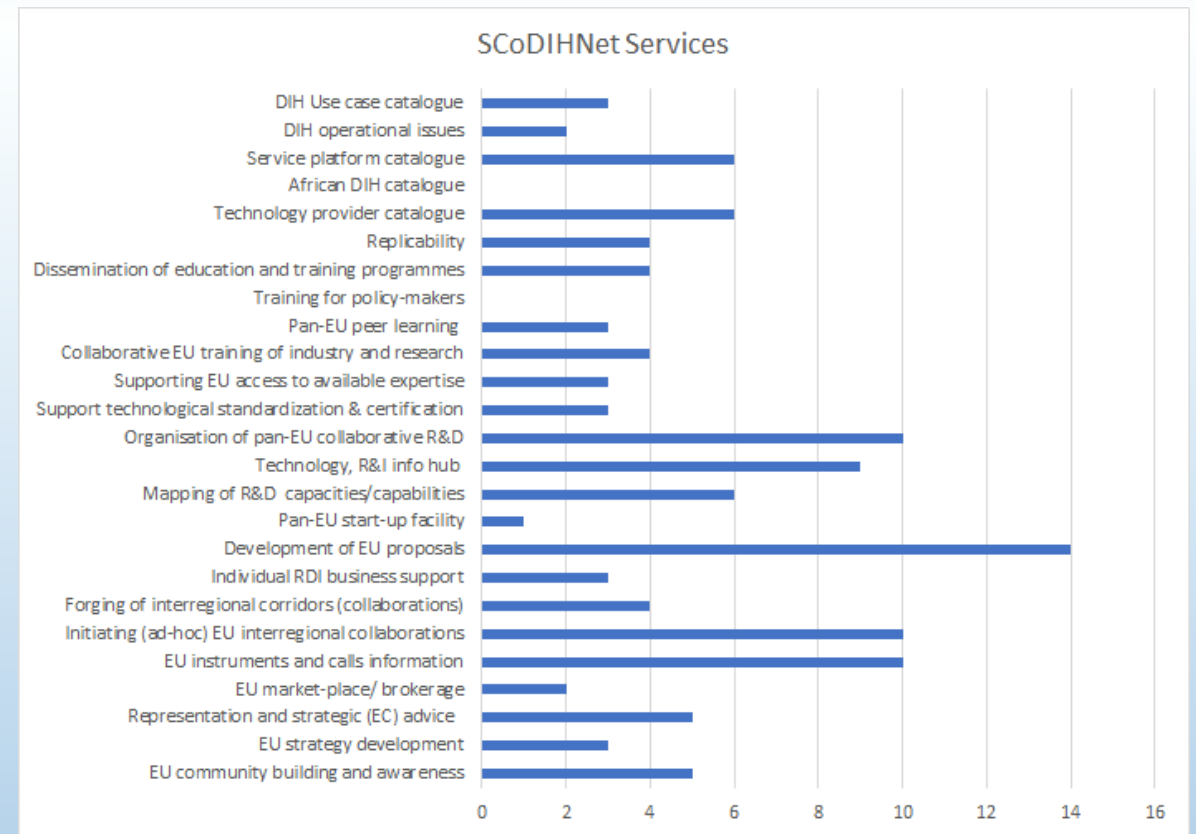
The Smart Connectivity DIH network

- The Smart Connectivity Digital Innovation Hub Network is a DIH Thematic network focusing on Smart connectivity (5G/6G, IoT and edge computing)
- SCoDIHNet is supported by the Alliance for IoT and Edge Computing Innovation (AIOTI) and the 6G SNS Industry Association (Smart Network and Services Joint Undertaking)
- SCoDIHNet has the objective to support DIHs addressing these technologies feeding DIHs with new technologies and collecting end user needs to feed the SNS JU research agenda

SCoDIHNet service offer survey results

Following the survey conducted since the beginning of 2024, it happens that the 5 key services designated by the 68 respondents are the following:

- 1/ Development of EU proposals
- 2/ Organisation of pan-EU collaborative R&D
- 3/ Initiating EU interregional collaborations
- 4/ EU instruments and call information
- 5/ Technology, R&I info Hub



Mapping catalogues with Services



Technology providers catalogue

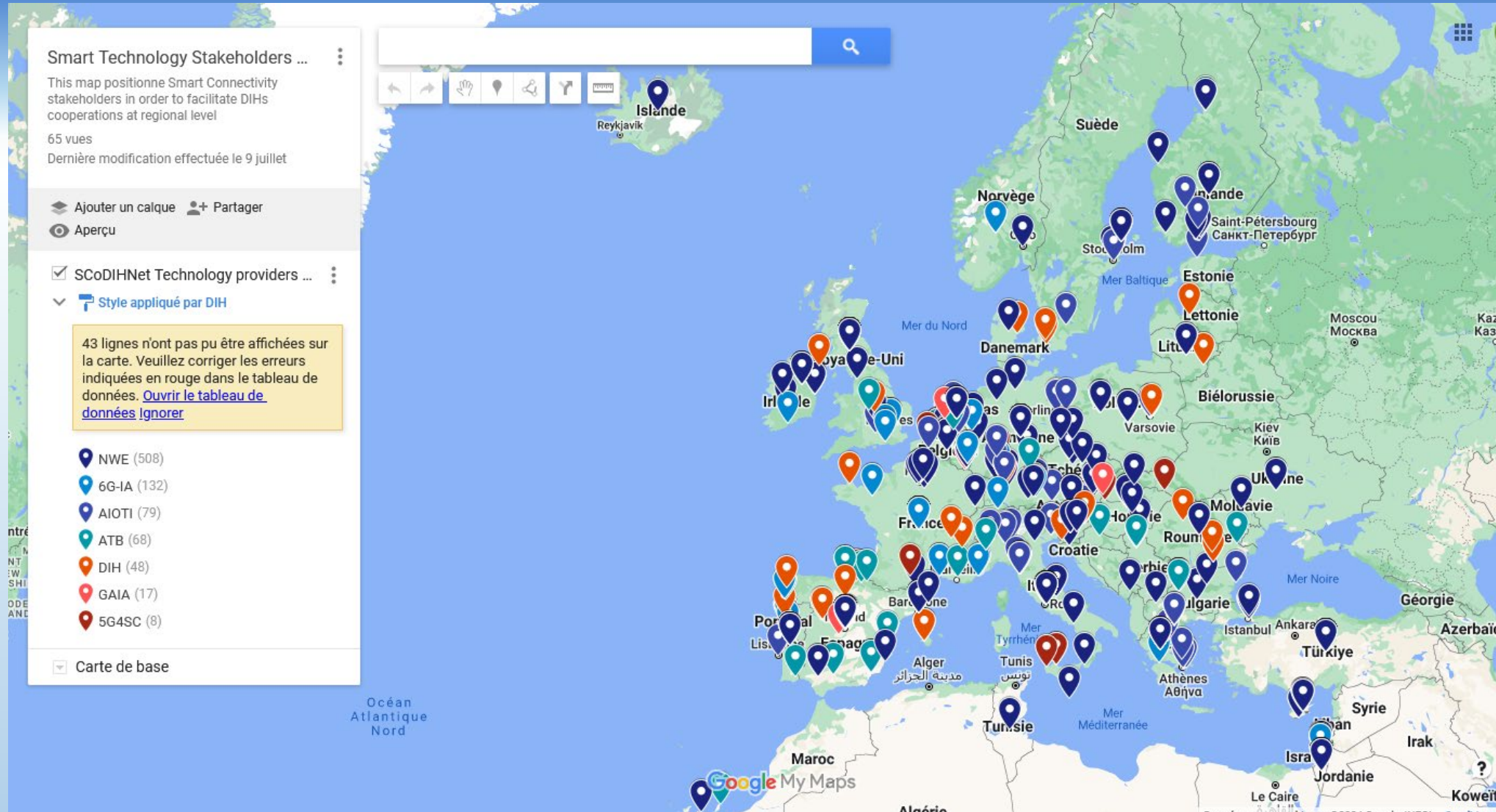
This catalogue has the objective to facilitate cooperation between stakeholder at regional level. It is encompassing a large number of organisations belonging to European clusters and associations (AIOTI, 6G-IA, Networld Europe, EEN, ESNA, 5G4SC, SCoDIHNet,...), and they have been classified following the above categories:

- Technology providers
- Technology users (verticals)
- DIHs
- Gaia-X hubs

More than 600 organisations from 45 countries

We are completing this list with Policy stakeholders (EEN, ESNA)

Technology provider map



Replicability catalogue

Following a survey among SNS phase 1 and phase 2 projects, we have collected a number of replicable use cases

Most of the Phase 1 projects have already developed and experiment use cases and used the Replicability assessment tool to get a replicability level

They are covering most of the verticals with an emphasis on Industry 4.0

Stream	Project	Initial Replicability level	Real Replicability level	Usecases	Verticals										
					All Verticals	Industry 4.0	Automotive	Agriculture	Entertainment	Public Safety	Energy	Smart Cities	Education	Transport & Logistics	Healthy Age
Phase 1 projects															
Stream A	5G-STARDUST	50%		0											
	6Green	100%		0											
	ACROSS	100%		0											
	BeGREEN	0%		0											
	NANCY	100%	RL=17	1	1										
	SEASON	50%	RL=?	1	1										
	VERGE	0%		0											
	6G-NTN	0%		0											
	6G-SHINE	70%		0											
	6GTandem	100%		0											
Stream B	ADROIT6G	100%		0											
	CENTRIC	100%	RL=?	2											
	CONFIDENTIAL6G	100%	RL=0	3	1	1	1								
	DESIRE6G	50%		0											
	DETERMINISTIC6G	100%	RL=Good	3	2	1									
	ETHER	100%		0											
	FLEX-SCALE	100%		0											
	Hexa-X-II	50%	RL=19	2		2									
	HORSE	100%		0											
	PREDICT-6G	100%		0											
	PRIVATEER	100%	RL=0	2			1						1		
	RIGOUROUS	100%		0											
	SUPERIOT	100%		0											
	TERA6G	100%		0											
	TERRAMETA	100%	RL=10	2	2										
TIMES	0%	RL=0	2			2									
6G-BRICKS	100%		0												
Stream C	6G-SANDBOX	100%	RL=Low/Good	10	10										
	6G-XR	100%	RL=Good	4		4									
Stream D	FIDAL	100%	RL=?	11	11										
	IMAGINE-B5G	100%	RL=?	12		2		1		4		1	3		1
	TARGET-X	50%	RL=Low/Good	4		4									
	TrialsNet	100%	RL=Low/Good	15					5			6			4
Phase 2 projects															
Stream B	6G REFERENCE	0%	N/A	1	1										
	6G-CLOUD	100%	N/A	3		2								1	
	6G-DISAC	0%	N/A	0											
	6G-EWOC	0%	N/A	1	1										
	6G-GOALS	0%	N/A	2		1								1	
	6G-INTENSE	0%	N/A	0											
	6G-MUSICAL	0%	N/A	2											
	6G-SENSES	0%	N/A	2	2								1		1
	6G-TWIN	100%	N/A	2	2										
	6G-XCEL	100%	N/A	2	2										
	ECO-ENET	0%	N/A	3	3										
	EXIGENCE	0%	N/A	0											
	FirstTo6G	0%	N/A	1	1										
	INSTINCT	0%	N/A	3	3										
	ISEE-6G	0%	N/A	0											
	ITrust-6G	0%	N/A	1	1										
	NATWORK	100%	N/A	4	2	1	1								
	Opti-6G	75%	N/A	4		4									
	ORIGAMI	100%	N/A	4	3										1
	PROTEUS-6G	0%	N/A	2	2										
ROBUST-6G	66%	N/A	3	3											
SAFE-6G	0%	N/A	1						1						
TeraGreen	0%	N/A	2							2					
Stream C	SUNRISE-6G	0%	N/A	0											
Stream D	6G-PATH	0%	N/A	5				2					3		
	ENVELOPE	66%	N/A	3	1		2							3	
				125	57	24	5	3	6	4	2	9	6	3	6

Platform catalogue

This catalogue helps DIH to know what are the Smart Connectivity technical platforms that can be used to develop and experiment use cases for end users.

This catalogue encompasses

- DIH platforms (12)
- AIOTI Test beds (68)
- CEF 5G for Smart connectivity sites (17)
- CEF 5G Corridors sites (6)
- 5G PPP experimental platforms (3)
- SNS JU StreamC platforms (5)
- Testing European Facilities (TBC)

Under reconstruction
111 platforms already identified

African DIH catalogue

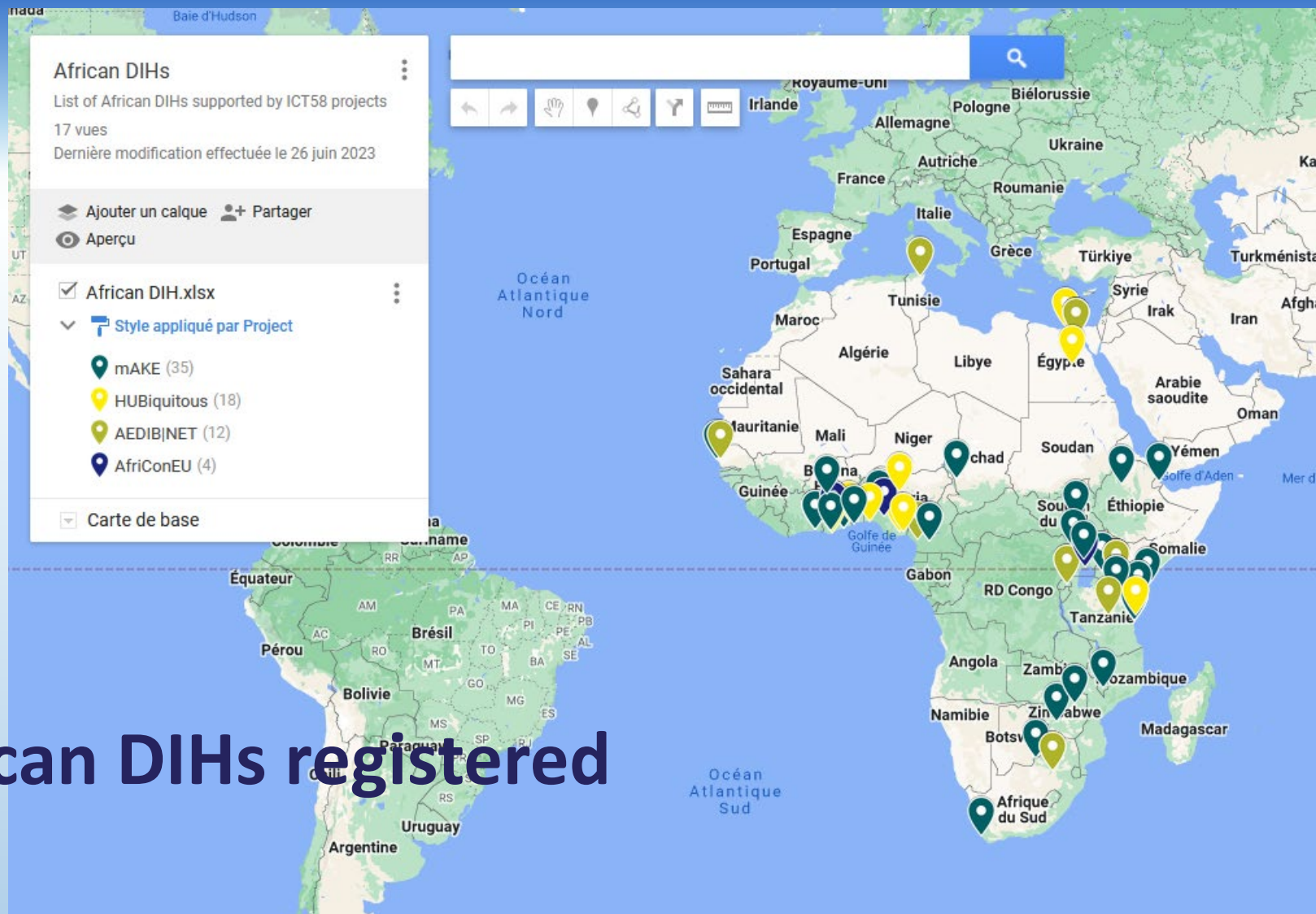
Cooperation have been put in place with 5 European projects in charge of developing DIH in Africa:

- 1/ AfriConEU: Ghana, Nigeria, Tanzania, Uganda (<https://africoneu.eu/>)
 - 2/ HUBiquitous: Nigeria, Tanzania, Kenya, Egypt (<http://hubiquitous.eu/>)
 - 3/ mAKE: Ghana, Cameroon, South Africa (<https://makeafricaeu.org/>)
 - 4/ AEDIB | NET: Tunisia, Egypt, Kenya, Tanzania, Rwanda, Cameroon, Senegal, Côte d'Ivoire, South Africa (<https://aedibnet.eu>)
- SCoDIHNet is member of the DIGILOGIC community : Nigeria, Ghana, Zambia (<https://digilogic.africa/>)

The collaborations are targeting the following activities

- 1/ Propose to African DIH to become member of the SCoDIHNet
- 2/ Develop the Heatmap for the African DIH and map it with the SCoDIHNet Heatmap in order to find the key common domains
- 3/ Organise a common workshop with ICT58 projects on Smart Connectivity
- 4/ Study how Replicability initiative could be used by African DIHs (under which conditions)

African DIH map



66 African DIHs registered

Existing data and cooperations

- SCoDIHNet members: List of members of the network
- SCoDIHNet platform catalog: List of platforms use by DIHs
- SCoDIHNet services: List of services shared among entities
- SCoDIHNet Heatmap: Specialisation of DIHs (technologies & verticals)
- SCoDIHNet replicability catalog: List of use cases & available solutions
- Mapping Smart Connectivity Technology providers with DIHs at regional level
- African DIHs: List of African DIHs supported by ICT58 projects

- **Cooperation's and Liaisons:**
 - Enterprise Europe Network (<https://een.ec.europa.eu/>): European SMEs
 - European Business and Innovation Centre Network (<https://ebn.eu/>)
 - Horizon Result Booster & Horizon Result Platform: Replicability and reuse of existing solutions
 - DIH4Industry (<https://dih4industry.eu>): Manufacturing DIHs network
 - Liaison with the Digital Transformation Accelerator (<https://www.edihnetwork.eu/home>): The project in charge of the coordination of all EDIHs
 - African DIH networks: Best practices exchange with African DIHs,
 - Center for Innovation Management Research (<http://www7.bbk.ac.uk/cimr/>): IoT technology watch
 - OpenDEI project (<https://www.opendei.eu/>): Contribution to the task force in charge of DATA-POWERED BUSINESS ECOSYSTEM BUILDING to Foster collaboration, business interoperability between stakeholders
 - DIH4AI (<https://www.dih4ai.eu/>): Artificial intelligence DIHs network
 - Partnerships for Regional Innovation: 63 regions, seven cities and four Member States selected for Pilot Action
 - Connecting European Facilities / 5G for Smart Communities: sharing 5G infrastructures with DIHs in order to accelerate development of innovations at local level
 - European Startup Nation Alliance (<https://esnalliance.eu/>): including Startups in the DIHs local ecosystems
 - EVOLVED-5G project (<https://evolved-5g.eu/>): 5G startup support
 - Cooperation with Change2twin projects on replicability (<https://www.change2twin.eu/>)

Smart Networks and Services International and European
Cooperation Ecosystem

Thank you for you attention!



6G SNS
ICE



Pierreyves.danet@6g-ia.eu



<https://smart-networks.europa.eu/csa-s/#SNS-ICE>



<https://www.linkedin.com/company/sns-ice/>



This 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 101095841.