Smart Connectivity Digital Innovation Hub Network

(SCoDIHNet)

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The Smart Connectivity DIH Network (*SCoDIHNet*) initiative is contributing to the European Industry Digitalisation helping companies to improve their processes, products and services through the use of Smart connectivity technologies.

The *SCoDIHNet* initiative is co-supported by **AIOTI** and the **6G-IA** and is supporting Digital Innovation Hubs that are providing services on 5G/6G, IoT/Edge Computing, Cybersecurity and artificial intelligence (AI). *SCoDIHNet* is attached to the Smart Network and Services Join undertaking SNS JU) as it is making the link between end users and research and innovation technology providers.

5G/6G and IoT/Edge Computing are key technologies to develop digitalization of European industry together with AI and cybersecurity to ensure flexibility, adaptability and end-to-end security.

Objective and role of the SCoDIHNet

The *SCoDIHNet* initiative will play a fundamental role in building the community of developers adopting and contributing to smart connectivity technologies (5G/6G, IoT/Edge Computing, AI, Cybersecurity) adoption in European industry, acting at local level. The *SCoDIHNet* initiative aims at supporting the creation and the operations of Smart Connectivity DIH nodes at European level but also worldwide.

Business hubs, determined to incubate and encourage new services, play an important role in the global ecosystem that AIOTI and 6G-IA is developing. As in webs, all nodes are essential to build a lasting and strong structure; but, in this case the wider the web, the stronger the structure. To encourage the growth of the digital economy, *SCoDIHNet* enables local digital hubs to enrich their services, to spin a network of enabling communities and to further support new internet-based business creation at local level. It is an effort to expand the reach of Smart Connectivity technologies, so that as many companies or even individual developers as possible can have an easy first contact with SCoDIHNet and take full advantage of it.

SCoDIHNet DIHs are organisations aiming at supporting a wider usage of Smart Connectivity technologies in European Industries. For that purpose, it is a location where technology providers (6G-IA, AIOTI members) and technology user (DIH customers) can meet to develop a specific solution for a specific use case.

SCoDIHNet DIH are the referenced DIH for Smart Connectivity

SCoDIHNet Mission

Support the growth and consolidation of the 5G/6G&IoT community by working locally on disseminating and introducing the technology to interested parties. Build local communities where the position and role of Smart connectivity would be developed, boosted and consolidated.
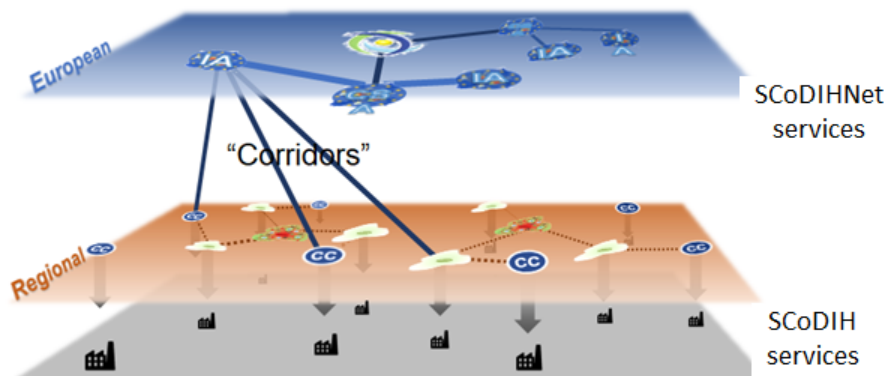
SCoDIHNet members

First and foremost, *SCoDIHNet* members should be devoted to instructing and educating, but also to helping and advising the interested parties.

SCoDIHNet DIH should be a collaborative space for the whole Smart connectivity community where the cooperative work will boost new projects.

The *SCoDIHNet DIH* must be able to match the demands of the local market with the capabilities of the Smart Connectivity community, strengthening both and boosting the growth of the ecosystem.

SCoDIHNet activities

Following the output of the activities in the last four years, it has been identified a number of services that should be offered at SCoDIHNet level as some others should stay at DIH level (**document available on the SCoDIHNet web site**). The following table gives an overview of the services offered at each level.

Services	SCoDIH	SCoDIHNet
Community building		X
Digital development Strategy	X	
Ecosystem learning		X
Representation, promotion	X	
Strategy RDI (to rise use cases and PoCs)		X
R&D and Innovation Projects		X
Technical support on scale up	X	
Provision of Technology infrastructure		X
Testing & Validation for technology developers	X	
Growth for SMEs		X
Incubator / Accelerator support for startups (optional)	X	
Digital marketplace dynamization (optional)		X
Helpdesk management		X
One stop shop / single point of attention	X	
Innovation vouchers (optional)	X	
Consulting (optional)	X	
Support / Expertise (optional)	X	
Digital campuses		X
Digitalisation and I4.0 training (demand capacitation)		X
Workshops 'train the trainer' (professional capacitation and training)		X
Job Offering (optional)	X	

Overview of SCoDIHNet Services

SCoDIHNet cooperations

In order to help SCoDIHNet members to operate their DIHs, a number of cooperations have been established with organisations and initiatives that have an interest to the Digitalisation of the European Industry.

- **Enterprise Europe Network**: European SMEs

- **European Business and Innovation Centre Network**

- **Horizon Result Booster** and **Horizon Result Platform**: Replicability and reusage of existing solutions

- **DIH4Industry**: Manufacturing DIHs network

- **Digital Transformation Accelerator**: The project in charge of the coordination of all EDIHs

- **African DIH networks**: Best practices exchange with African DIHs

- **Center for Innovation Management Research**: IoT technology watch

- **OpenDEI project**: Contribution to the task force in charge of Data-Powered Business Ecosystem Building to Foster collaboration, business interoperability between stakeholders

- **DIH4AI**: 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**: including Startups in the DIHs local ecosystems

- **EVOLVED-5G project**: 5G startup support

- **Change2twin projects on replicability**

- **Cooperation with other Thematic sub-networks** in order to align SCoDIHNet service offer

SCoDIHNet Market place

SCoDIHNet has also developed a number of catalogues that are providing useful information to DIHs facilitating cooperation at regional level:

- **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