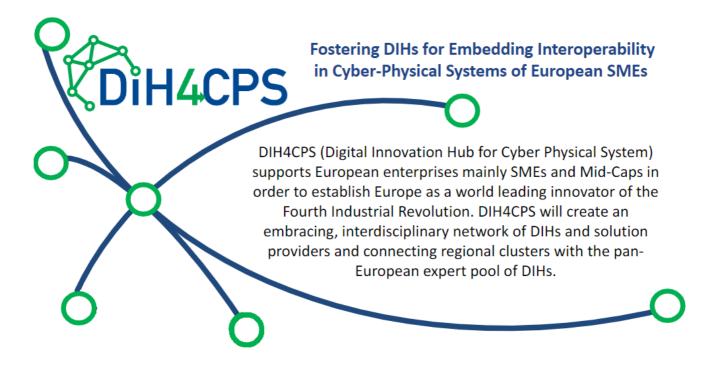
Welcome

Fostering DIHs for Embedding Interoperability in Cyber-Physical Systems of European SMEs



"The objective of this survey is to gather the set of services among DIH4CPS network. This will allow us to define our services Catalog and identify the different competences and skills that we have in our network. To do so, we will apply the Ecosystem-Technology-Business-Skills-Data (ETBSD) Model that defines macro-classes of services. In the next pages, we will propose you the set of classes of services identified by the ETBSD. Please check relevant ones you are offering and feel free to add other services if needed. We count on you!"



Contact Details

1 Contact details Name * Email Address * Phone Number **Partner Information** Company * Address Address 2 City / Town Country * Website Partner Short description

4	Partner mission	
(Digital Innovation Hub Academic Partner Small Medium Enterprise Other (Please Specify)	Competence Center Technology Provider Research Technology Organization
5*	Partner role in the project	
	Digital Innovation Hub	Competence Center
	Academic Partner	Technology Provider
	Small Medium Enterprise	Research Technology Organization
(Other (Please Specify)	
6	If you are involved in an IAE, please choose whic	h one is it.
	IAE 1 IAE 2 IAE 4 IAE 5 IAE 7 IAE 8 IAE 10 IAE 11	IAE 3 IAE 6 IAE 9 We are not involved in any IAE

Ecosystem Class

Ecosystem Services aim at creating, nurturing, expanding and connecting the local SME constituency, involving in the SME digital transformation process different stakeholders as technology providers, technology users, competence centers, education and training hubs, business and market development experts, regional development agencies and associations.



7								_
/	What are	the	Services	provided	hv v	vour	organizati	on?

If you	have service catalog please give the link here
If you	do not have a service catalog and that you have identified a set of services please copy/paste them here
Other	r, please specify.
В	ow do you help organizations in developing innovation?
	Providing up to date information on the trends in the market
	Assessing market potential
	Sharing best practices experiences
	Supporting customers in shaping their vision and strategies as well as remaining competitive in the marketplace
	Using trend intelligence platforms
	Providing trend reports
	Inviting experts in business and entrepreneurship to give talks and interact with (potential) customers and partners
	We do not help organizations in developing innovation
Ot	ther (Please Specify)

9	How do you manage technology scouting?
	Scouting of technologies and their proposal to companies
	Using of technology scouting platforms
Ī	Identifying emerging technologies
	Communicating technology related information to organizations
	N/A
	Other (Please Specify)
10	Handana and an allah and in an arisa and an allah and in a
10	How do you encourage collaborative innovation and problem solving?
	Organizing challenges
ſ	Providing awards
ſ	Offering innovation spaces to encourage innovators and other ecosystem members to interact and share ideas
	N/A
	Other (Please Specify)
11	
11	Which kind of events do you organize to connect the members of your ecosystem?
	DIH annual event Industrial events Academic conferences and
	workshops
	Sectorial fairs Online events
If o	ther, please specify the kind of event you organized
Ple	ase, put the list of events that you have organized in the past.

12	Which kind of events do you at	tend to connect the members of yo	our ecosystem?
	DIH annual event	Industrial events	Academic conferences and workshops
	Sectorial fairs	Online events	
If o	ther, please specify the kind of ever	nt you attended	
Ple	ase, put the list of events that you h	nave attended in the past.	
13	How do you assess the service Developing KPI allowing to assess the Using defined methods to evaluate the Defining guidelines and/or checklists N/A Other (Please specify)	ne performance of the provided services he impact of the services delivered	
14	As part of an ecosystem, how a Defining Intellectual Property (IP) rules Defining rules on how to manage interpretation Defining rules on how to engage extended Other (Please Specify)	ernal collaborations	os?

Technology Class

The services related to this class aim at following the whole lifecycle of digital technologies from conception and idea generation, through design and proof of concept, up to minimum viable product prototyping to commercialisation. They can be interpreted from the technology providers viewpoint and from the technology users viewpoint, through the steps of access-experiment-experience spiral model.

Technology IDEAS MANAGEMENT AND MATERIALISATION CONTRACT RESEARCH PROVISION OF INFRASTRUCTURE TECHNICAL SUPPORT ON SCALE UP VERIFICATION AND VALIDATION	
15 How do you support ideas managen	nent in the conceptual phase?
Generating and assessing new ideas	
Using concept generation method	
Using concept evaluation method	
Conducting feasibility studies	
Conducting technology Readiness assessi	ments on products/solutions developed by start-ups and SMEs
Do not support ideas management at conc	eptual phase
Other (Please Specify)	
16 How do you support research and to	echnology at development phase ?
Demonstrating the feasibility of an idea or	project through its temporary or provisional realisation
Developing proof of concepts	
Supporting the translation of innovative ide	as into demonstrable concepts

Applying technological innovation to develop new products/services or to improve existing ones

Planning and defining new business services solutions

Do not support research at development phase

Other (Please Specify)

17	How do you provide technical support on scale up?
	Developing minimum viable products that can be validated with real customers and/or in industrially relevant setting
	Designing prototypes to explore ideas and emerging technologies before going into production
	Supporting the exploration of ideas and emerging technologies
	Do not provide technical support on scale up
	Other (Please Specify)
18	How do you provide access to infrastructure and technological platforms?
	Renting equipment
	Providing platform technology infrastructure
	Providing access to Lab facilities
ſ	Providing infrastructure and support for low rate production
	Do not provide access to infrastructures and platforms.
	Other (Please specify)
19 [[How do you support the verification of the products? Support in certifying that the product has passed functional tests Support in certifying that the product has passed performance tests Support in certifying that the product has passed quality assurance tests Do not support the verification of the products Other (Please Specify)
20	How do you support product demonstration? Promoting showrooms and demo-cases in which a product is demonstrated in front of clients
	Organizing and promoting events where a product is demonstrated in front of clients
	Organizing and promoting online product demonstration
	Do not support product demonstration
	Other (Please Specify)

Business Class

Business Services intervene in more advanced scenarios (with higher TRL solutions), identifying, modelling and sustaining viable business models, including also fund raising services (e.g. private matchmaking or access to public funding opportunities).



21 How	do you support incubation acceleration?
Pro	oviding access to physical infrastructure (offices, café, meeting rooms, laboratories, co-working areas, libraries, etc.)
Pro	oviding access to telecommunication infrastructure and video conferencing
	aching and mentoring of entrepreneurs with dedicated programmes (innovation funnel, scenarios communication and siness assessment)
Pro	oviding access to high powered computing
Off	ering fiscal and/or legal advice
Off	ering regulatory assistance
Pro	oviding access to data ecosystem
Pro	oviding back office services (adminitrative, secretary services, etc.)
N/A	A
Other (Please Specify)
22 How	do you support access to finance?
Pro	oviding support in addressing financial issues
Pro	oviding advice on innovative financial products
Fac	cilitating access to different funding sources (EU, national, regional, and private)
Fac	cilitating access to an effective mix of funds (conversation, lobbying, projects)
N/A	A
Other (Please Specify)

23	How do you support Business training and education?
	Providing training and development in business skills and entrepreneurship (e.g. formal courses, workshops, seminars)
	Facilitating the exchange of personnel (e.g. researchers) and core competences among organisations, including IPR
	Orienting partners to the needed training organization
	We do not support business training and education
	Other (Please Specify)
24	In which pilot areas can you provide support in the definition of KPIs to improve companies business?
25	How do you support project development?
	Supporting the identification of new market/business opportunities through strategic analysis of the ecosystem and trend watching
	Encouraging cooperation and collaboration among organisations for exploiting common opportunities (e.g. business, research, funding, match-making, open innovation)
	Providing technical assistance in the proposal development process in order to comply with specific proposal requirements (e.g. for project funding)
	N/A
	Other (Please Specify)

Skills Class

Skill services have a twofold aim. The first is to assess the *status quo* of the companies that want to approach digitization, in terms of both process/organization and skills maturity, and to set an adequate roadmap to empower it. The second is to support the skill empowerment through not only educational programmes, up-skilling and re-skilling training but also sharing channels, structure contacts and collaborations for scouting and brokerage aimed at knowledge-transfer



26	How do	you support	Process	and C	Organizational	Maturity?
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	Assessing the maturity companies, e.g. assessment of company readiness for Industry 4.0
	Defining a roadmap based on the maturity model assessment
	N/A
(Other (Please Specify)

27 How do you support human capabilities maturity?
Assessing human skills maturity (e.g. regarding skills in Industry 4.0)
Analysing the gap between the AS-IS and the desired level of Industry 4.0 skills
Defining action plan and support in implementing the desired level of Industry 4.0 skills
N/A
Other (Please Specify)
28 How do you support skills improvement?
28 How do you support skills improvement?
28 How do you support skills improvement? Organizing dedicated human up-skilling, re-skilling trainings, courses and workshops
Organizing dedicated human up-skilling, re-skilling trainings, courses and workshops Defining educational programs allowing to attract and form next generation talents (forming Industry 4.0 employees and
Organizing dedicated human up-skilling, re-skilling trainings, courses and workshops Defining educational programs allowing to attract and form next generation talents (forming Industry 4.0 employees and workers)
Organizing dedicated human up-skilling, re-skilling trainings, courses and workshops Defining educational programs allowing to attract and form next generation talents (forming Industry 4.0 employees and workers) Supporting knowledge-transfer through internal channels, structure contacts and collaborations
Organizing dedicated human up-skilling, re-skilling trainings, courses and workshops Defining educational programs allowing to attract and form next generation talents (forming Industry 4.0 employees and workers) Supporting knowledge-transfer through internal channels, structure contacts and collaborations N/A

Data Class

Data services are pivotal for adequately exploit digital technologies potentialities. An organization can provide services dealing with different phases of the data lifecycle: from data acquisition and sensing, through data processing & analysis, up to decision-making and data sharing, not neglecting aspects as physical-human action & interaction

Donate					
Data DATA ACQUISITION AND SENSING					
DATA PROCESSING & ANALYSIS					
DECISION-MAKING					
PHYSICAL-HUMAN ACTION & INTERACTION DATA SHARING					
	_				
29 How do you support data acqu	usition and consing				
20 How do you support data acqu	district and sensing				
	adata in Matina Madala and Considera for Industrial Internation Things				
Supporting data acquisition through data in Motion Models and Services for Industrial Internet of Things					
Supporting data anonymization, co	nfidentiality, encryption and privacy preservation services				
N/A					
Other (Please Specify)					
30 How do you support data prod	essing and analysis				
Providing data Spaces, Data Lake,	Linked Data, Distributed Storage, Knowledge representation services				
	semantic analysis, Data discovery, Advanced Data Analytics (Edge Analytics, Cloud				
Analytics) services					
N/A					
Other (Please Specify)					

31	How do you support data driven decision-making?					
	Configuring and deploying architectures for Big Data Providing and developing decision support services: cognition, prediction and prescription, simulation, machine learning, reinforcement, DNNs, formal logics N/A Other (Please Specify)					
32	How do you support physical-human action and interaction?					
	Providing support/consultancy services for human-Machine Interface, Human-Robot Interaction, Human-Data Interaction, Multi-lingual AI					
	Providing support/consultancy services for user experience and navigation					
	Providing support/consultancy services for feedbacks loop (control/Actuation, Cognitive Mechatronics, Question Answering)					
	N/A)					
	Other (Please Specify)					
33	How do you support data sharing?					
	Providing support/consultancy services in GDPR and Data Sovereignity compliance					
	Providing support in modeling data and ontologies for Trusted and Secure Data Exchange					
	Supporting and providing hardware and Software architectures and components, Connectors services					
	N/A					
	Other (Please Specify)					

Networking & Interoperability

DIH4CPS will create an embracing, interdisciplinary network of DIHs and solution providers and connecting regional clusters with the pan-European expert pool of DIHs. The following questions will help us in identifying service offers and needs and depicting potential collaborations within the network through matchmaking mechanisms.



34 What are the services you would like to offer to the DIH4CPS network?

35 What are the services you would like to have from the DIH4CPS network?

In detail, DIH4CPS will provide an intelligent navigation interface for its enrolled members and potential customers. SME's and DIH's can use this interface to search for different things that are available in the network. Companies that are looking for collaboration partners, need assistance on a specific task or want to make use of a complex technology can use it to find the partners with matching experiences, competencies, technologies and services. The underlying data model will enable to make very specific searches that, e.g. are focussed on certain domains, sectors or geographical limitations. The DIH4CPS Network Navigation Interface will therefore help to exploit and manage the resources available within the DIH4CPS network and make them accessible and visible for all partners and potential customers.

37 If you have comments, please feel free to write them here.





KNOWLEDGEBIZ

























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www.dih4cps.eu

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