

EUROPEAN DIGITAL INNOVATION HUB (EDIH)

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Nature of Innovation

WHAT IS A EUROPEAN DIGITAL INNOVATION HUB?

“EDIHs are one-stop-shops that help companies become more competitive with regard to their business/production processes, products or services using digital technologies”.

Framework Programme: Digital Europe

EDIHs will provide:

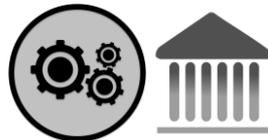
- access to technical expertise and experimentation facilities;
- innovation and tech-transfer services;
- funding and financing advice;
- training and skills developments.



EU support for one EDIH per region as a proxy



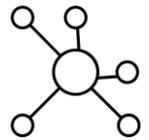
Co-funding EU/Member States



Focus on Industry or public services

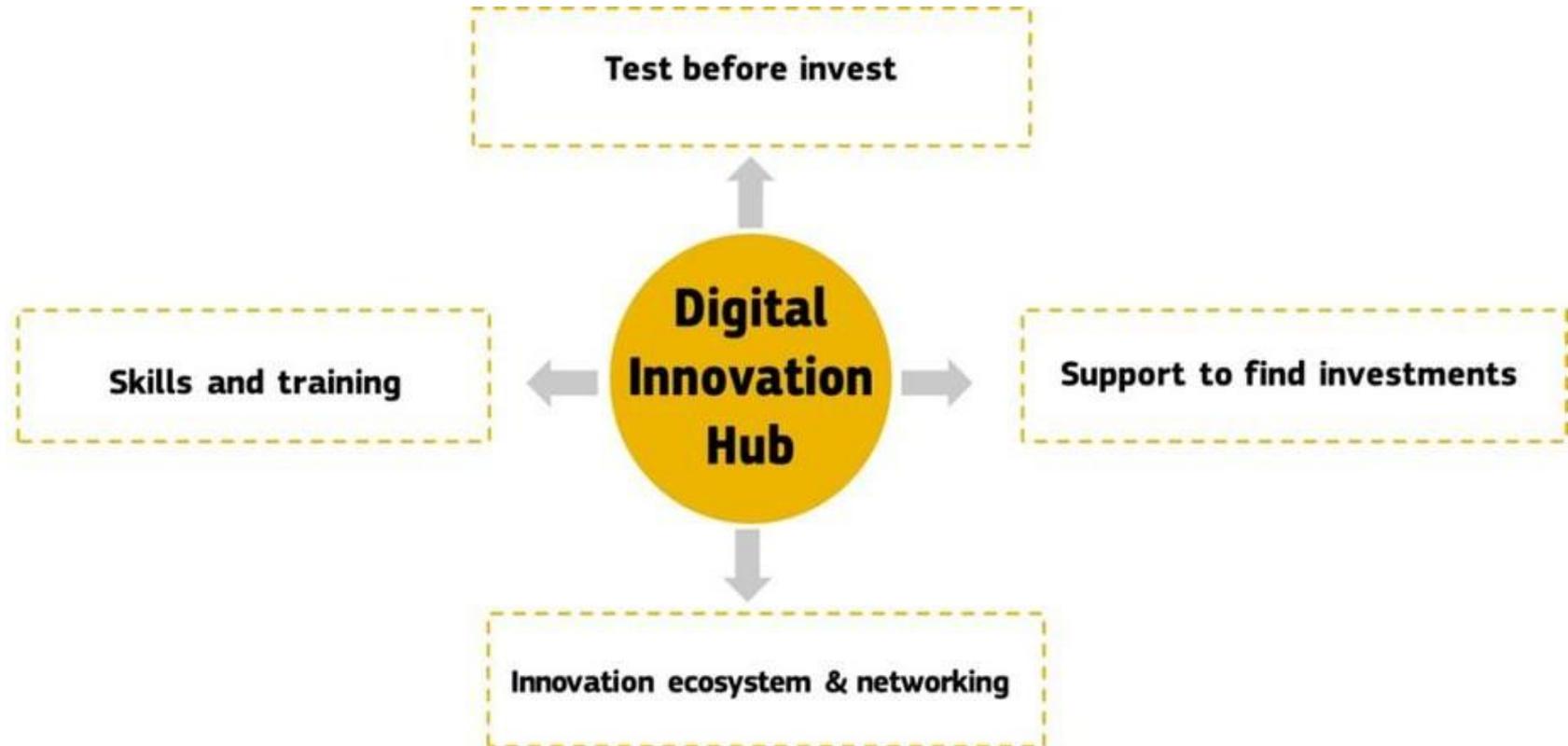


Focus on AI/HPC/CS



A strong network of EDIHs

4 SERVICE AREAS



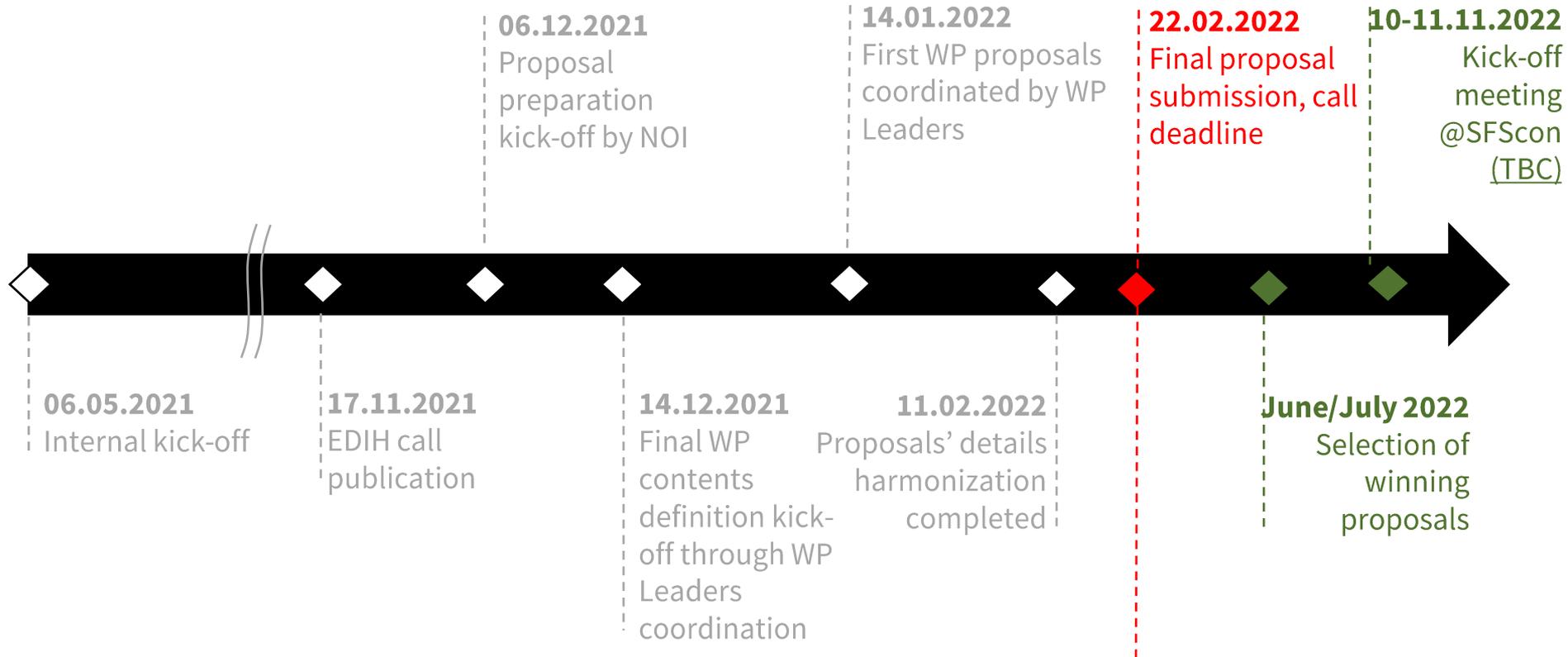
WHAT EUROPE WANTS...

- **Specialized** services VS general basic services
- **Co-funding** principle: 50% from EU and 50% from other sources (MS, regions, private)
- **Every Region** (NUTS 2) should have one
- Every EDIH must have a **Specialization**
- In line with the key technologies promoted in **Digital Europe Programme**: HPC (High performance computing), AI, and Cybersecurity

DIS-HUB

Digital Innovation Hub South Tyrol

TIMELINE



THE PROJECT PARTNERS

1
Lead Partner



2
Partner



3
Partner



4
Partner



5
Partner



6
Partner



7
Partner



8
Partner



9
Partner



10
Partner



11
Partner



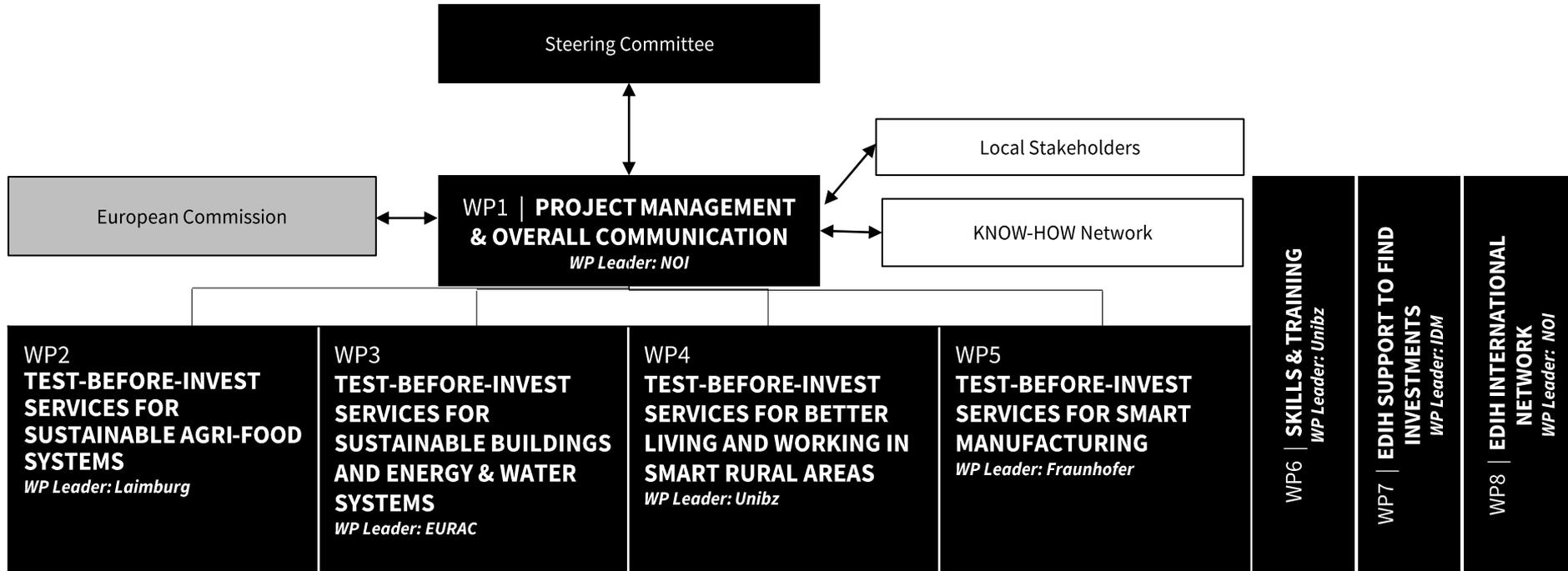
12
Partner



13
Partner



GOVERNANCE



LIST OF EDIH SERVICES (1)

VERTICAL SERVICES

WP2 SUSTAINABLE AGRI-FOOD SYSTEMS

WP3 CONSTRUCTION, ENERGY AND WATER

WP4 WORKING AND LIVING IN SMART ALPINE AREAS

WP5 SMART MANUFACTURING

- **Awareness raising - Ecosystem Networking Small Technical Workshops / Events (W)**
Small workshops/events to attract companies to test-before-invest services
- **Digital Maturity Assessment (A)**
Based on the tools provided by the EC, but extended so to more deeply understand the needs of the companies in the field of digitalization & AI
- **Orientation (O)**
One-to-one workshops in laboratories to show the potential of AI-based technologies and orientate the strategic decisions of the company
- **Test-before-invest “Basic” (T)**
Possibility to use available testing facilities for a real-world testing of R&D prototypes
- **Test-before-invest “PLUS” (T+)**
As T, but with additional services provided by the EDIH (e.g., analysis of impact assessment, specific testing facility configuration, etc.)
- **Data transformation “Basic” (DT)**
Support in the use of available datasets for AI-based applications
- **Data transformation service “PLUS” (DT+)**
Support in the transformation of available (private) company data in value based on AI

A **matrix-based project structure**: common services offered with a common methodology applied in our specialization fields

DT and **DT+** services are linked to the creation of a **cross-sectoral “data space”**, which is going to be built on top of the Open Data Hub and the Environmental Data Platform.

LIST OF EDIH SERVICES (2)

HORIZONTAL SERVICES

WP6 SKILLS and TRAINING

- Training service - Type A - **Life-long learning courses**
- Training service - Type B - **Learning on platforms**
- Training service - Type C - **Industrial PHD**
- Training service - Type D - **Executive Masters**

WP7 Support to find investments

- Consulting & Support to find investments/Access2Finance
- Awareness raising - Large events*

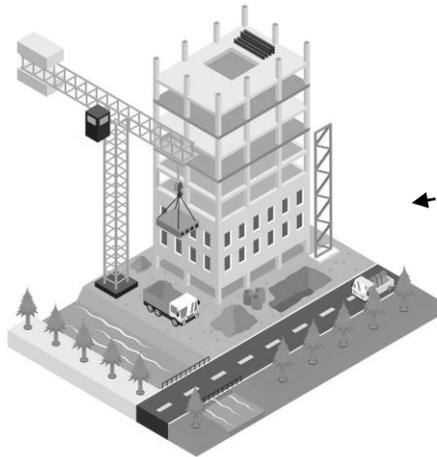
WP8 International EDIH networks

- International Partnering

* Annual EDIH event on selected topics / technologies and funding opportunities – the main dissemination event of the project.

BUILDING COMPONENTS (ENERGY EFFICIENCY) CONSTRUCTION PROCESS (RESOURCE EFFICIENCY)

Smart building materials (products): Analysis and performance measurements of new innovative material used in the building process
Speeding up the planning and the construction process.
Smart coordination of all stakeholders involved in the planning process thanks to technologies and digitally supported planning approaches e.g. BIM



ENERGY AND WATER MANAGEMENT

Energy demand and forecasting, Energy community, Resource efficiency, BIM

WORKING AND LIVING IN SMART ALPINE AREAS

WP2
SUSTAINABLE AGRI-FOOD
SYSTEMS

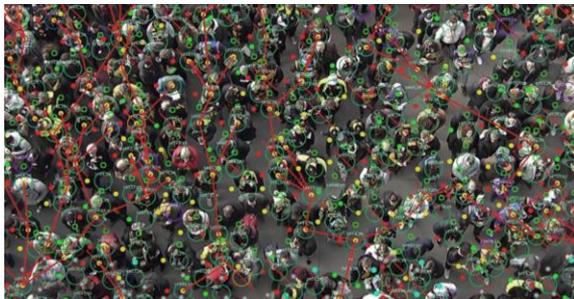
WP3
CONSTRUCTION,
ENERGY AND WATER

WP4
WORKING AND LIVING
IN SMART ALPINE AREAS

WP5
SMART
MANUFACTURING

TOURISM

How can we guarantee that tourists coming from all the world can sustainably enjoy our territory?



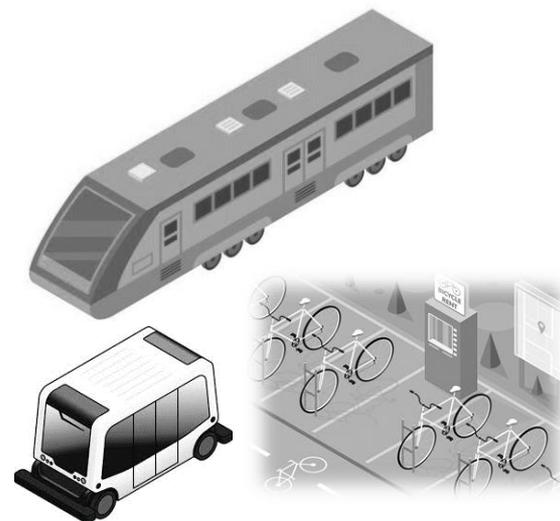
RURAL LIVING AND WORKING

How can we guarantee that people continue to live and work efficiently in the remote areas of our region?



MOBILITY

How can we guarantee that people (local inhabitants, tourists and occasional travelers) and goods can move efficiently and sustainably in our region?





Application of a digital business model complementary to the existing manufacturing business model.

Improve the reconfigurability, real-time response, self-organization/-optimization of flexible manufacturing systems

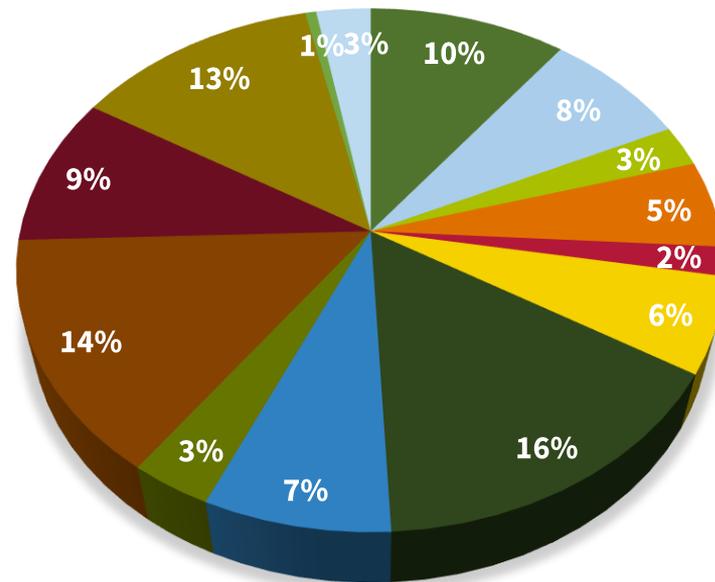
Improve manufacturing and supply chain performance and resilience based on balanced and optimized resource consumption (costs, energy, materials, ...)

Introduce human centered systems in advanced manufacturing systems and understand how VR/AR can facilitate production steps.

LIST OF SERVICES & KPI

Digital Maturity Assessment	A	75
Test-before-invest "Basic"	T	55
Test-before-invest "PLUS"	T+	18
Data transformation service	DT	37
Data transformation service PLUS	DT+	12
Orientation (for Digital Transformation)	O	43
Awareness raising - Ecosystem Networking Small Technical Workshops / Events	W	113
Consulting & Support to find investments/Access2Finance	A2F	54
International Partnering service	IP	24
Awareness raising - Large events	LE	105
Training service - Type A - Life-long learning courses	T_A	67
Training service - Type B - Learning on platforms	T_B	69
Training service - Type C - Industrial PHD	T_D	4
Training service - Type C - Executive Masters	T_D	21

Number of companies (3 years)	698
Number of companies per year	233
Number of companies per year using multiple EDIH services	93
Number of unique companies per year	140
Number total companies	721



BUDGET

WP1	WP2	WP3	WP4	WP5	WP6	WP7	WP8	TOT.
456.597,67	844.166,40	652.511,02	826.946,25	653.275,51	774.109,10	209.688,80	228.056,42	4.645.351,16

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THANK YOU.

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