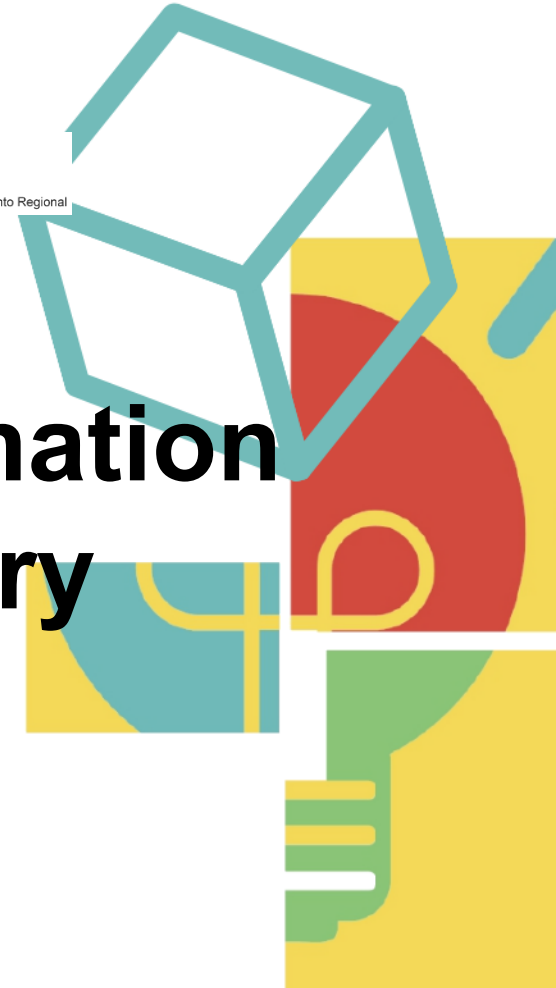


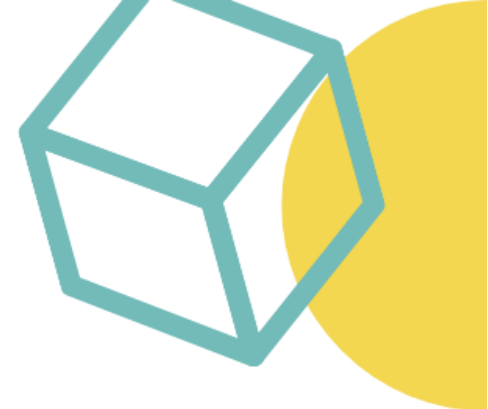


# PRODUTECH DIH: Supporting the digital transformation of the manufacturing industry



AGÊNCIA NACIONAL  
DE INOVAÇÃO

AGÊNCIA NACIONAL  
DE INOVAÇÃO

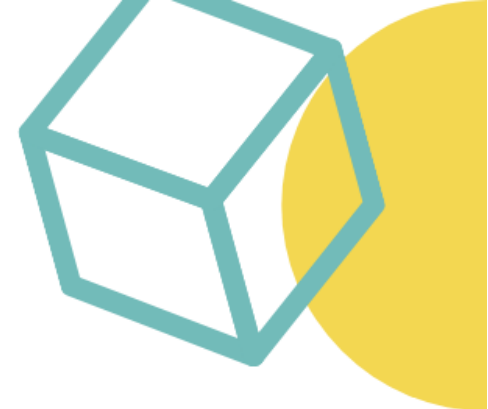


## CONTEXT | Digital Innovation Hubs



**“Digital Innovation Hub (DIH) is a support facility that helps companies to become more competitive by improving their business/production processes as well as products and services by means of digital technology. DIHs act as a one-stop-shop, serving companies within their local region and beyond to digitalise their business.”**

*Source: Report of the Working Group on DIH, 2017 (Final Version).*

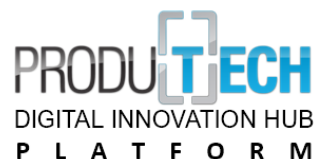


# CONTEXT | ORIGINAL DIH INITIATIVES CO-COORDINATED BY PRODUTECH

## PRODUTECH DIH PLATFORM (national) & iMan Norte Hub (regional)

### Vision

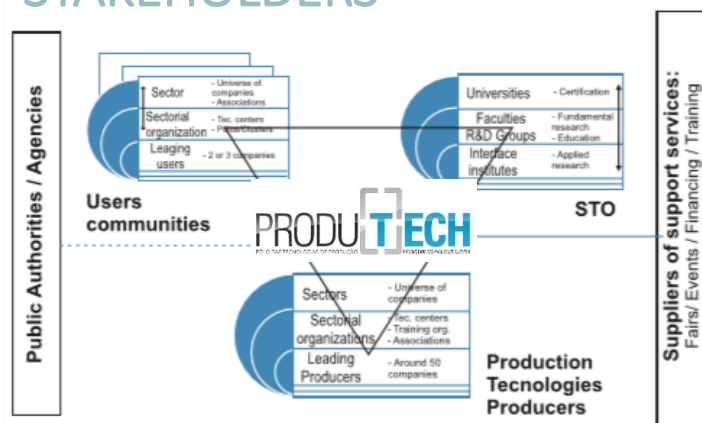
Foster the **digital transformation of the manufacturing industry**, via the gathering of a **critical mass of capacities**, the **networking of stakeholders** and the **nurturing of the ecosystem**, towards the deployment of **added value support services** that enables, potentiates and furthers industry modernization.



### FOCUS

Advanced  
Manufacturing &  
Production Technologies

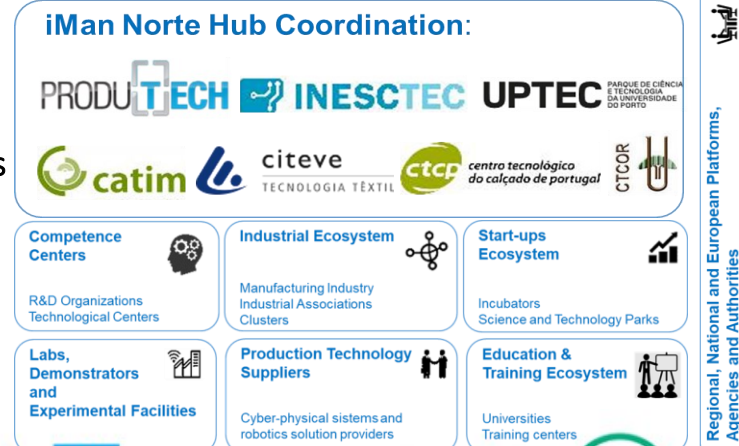
### COORDINATION STRUCTURE & STAKEHOLDERS



### FOCUS

Cyber-physical  
production systems  
and robotics.

### COORDINATION STRUCTURE & STAKEHOLDERS







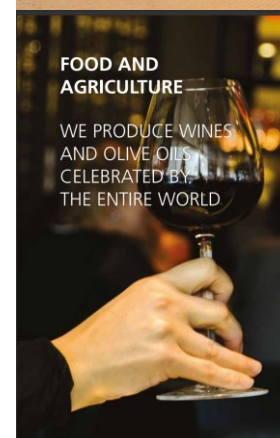
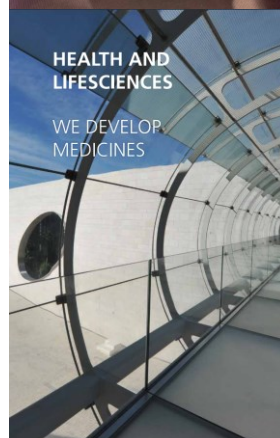
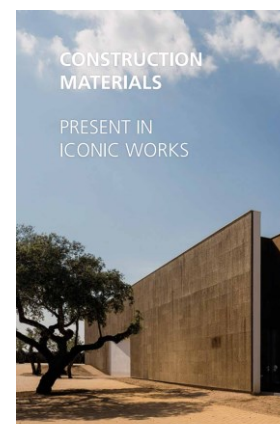
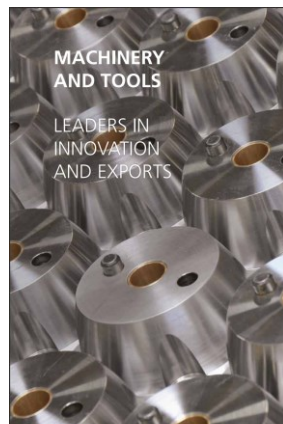
## CONTEXT | INDUSTRIAL BASE

### INDUSTRIAL BASE

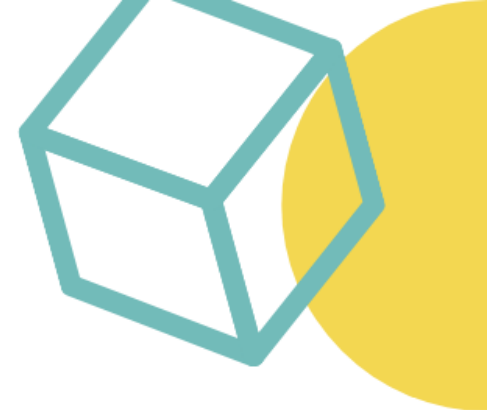
Diverse Manufacturing Industry Fabric comprising discrete and process sectors;

Strong emphasis on innovation, flexibility and responsiveness;

Production Technology Industry, with strong engineering competences and track record in inter-sectorial cooperation.



... and many others from demanding technology intensive industrial sectors...

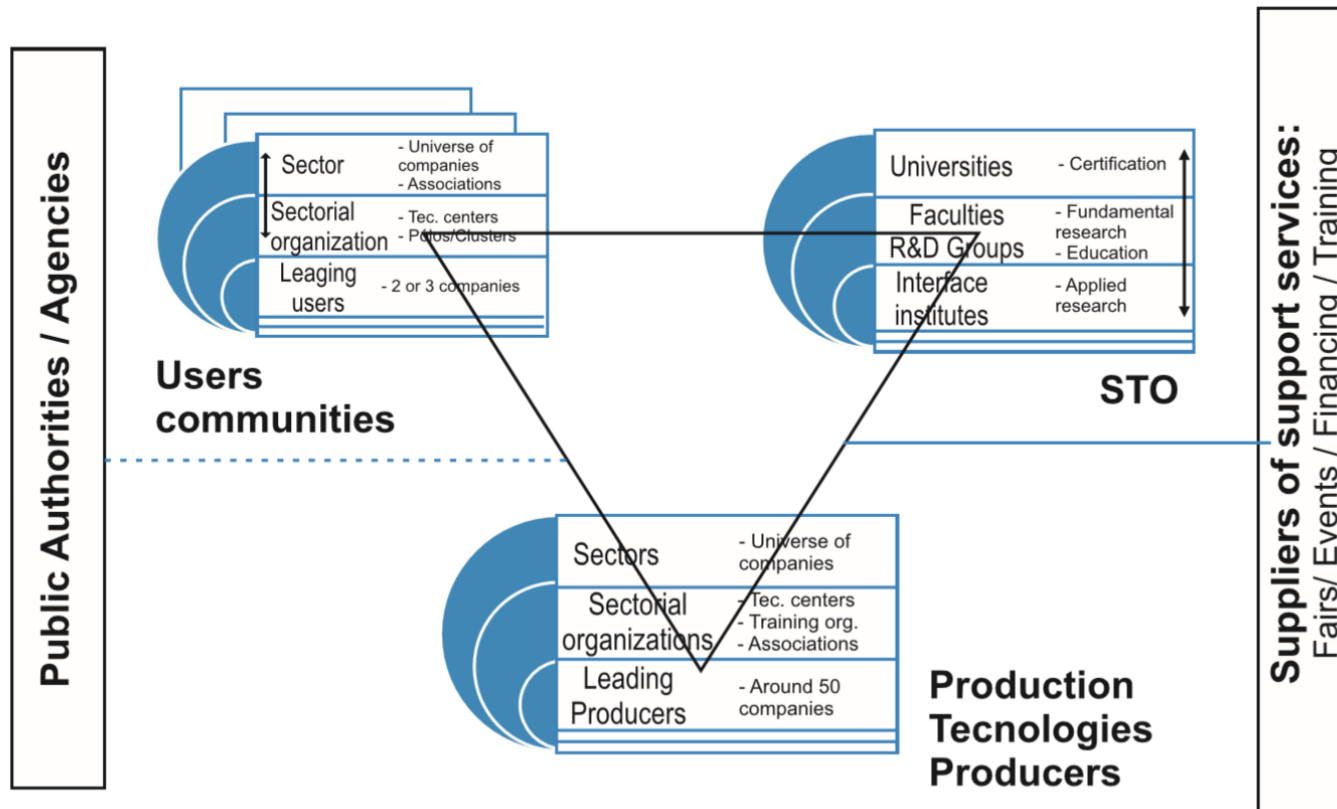


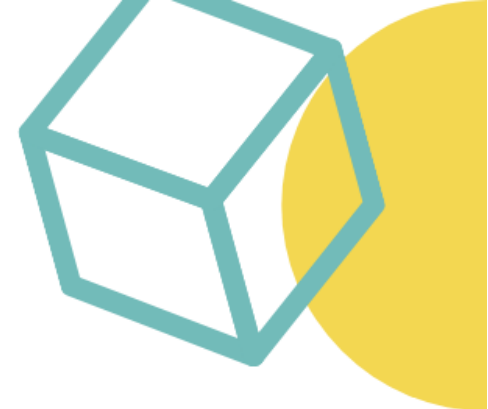
## CONTEXT | CLUSTER CRITICAL MASS

### CLUSTER CRITICAL MASS

Industry-led Production Technologies Cluster, horizontal to the several manufacturing sectors, gathering:

- Production technologies companies and technology suppliers;
- Universities, RTDs and Training institutions with solid tradition in cooperating with the industry;
- Industrial champions and SMEs from user manufacturing sectors.





## CONTEXT | INSTITUTIONAL ENVIRONMENT

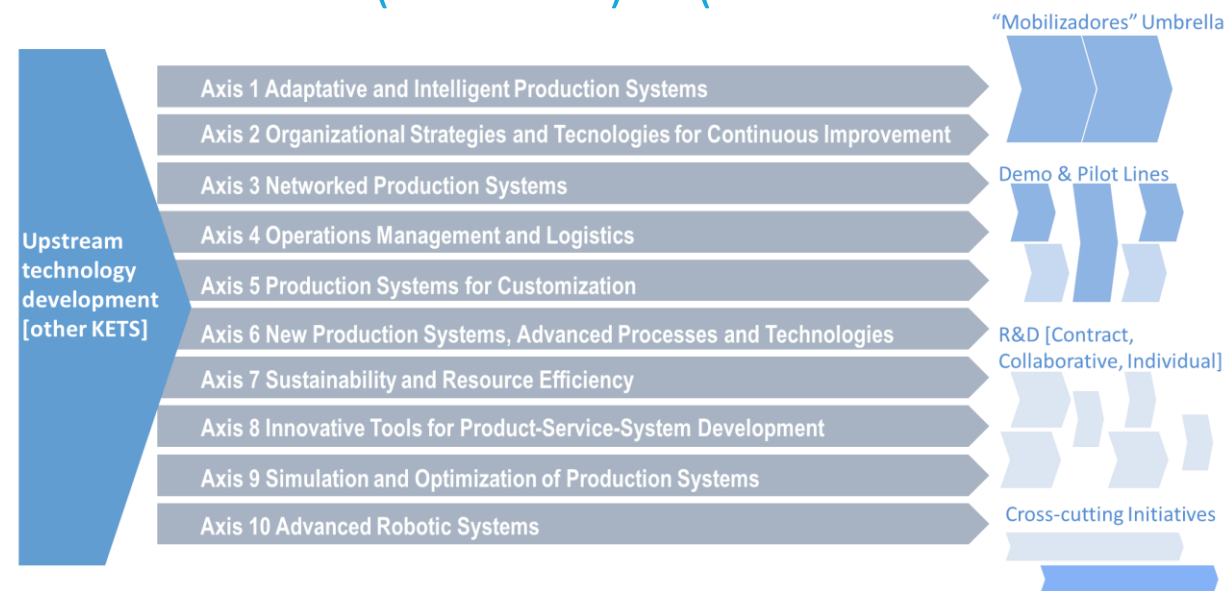
### INSTITUTIONAL ENVIRONMENT

Incentives for R&D and Innovation linked to a multidimensional Smart Specialization Strategies that foresee Advanced Manufacturing as a priority;

Cross-cutting initiatives fostering industrial transformation, e.g. Indústria 4.0 initiative;

Inter-cluster partnerships and initiatives and international networking.

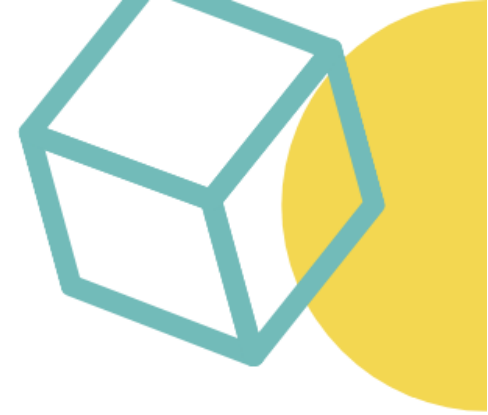
### PRODUTECH R&D +I(nnovation) +D(emonstration & Diffusion) Axes



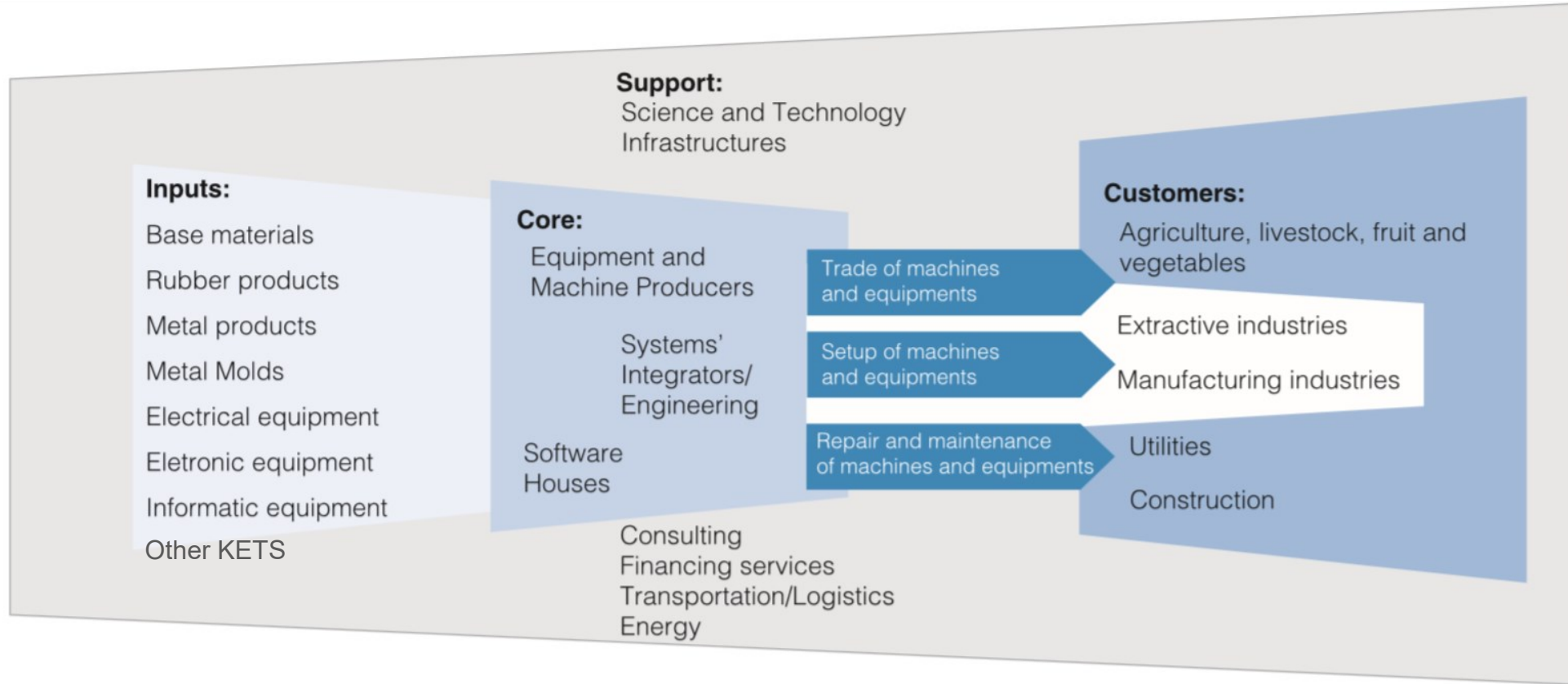
### ACTIVE PARTICIPATION IN INTERNATIONAL INNOVATION INITIATIVES





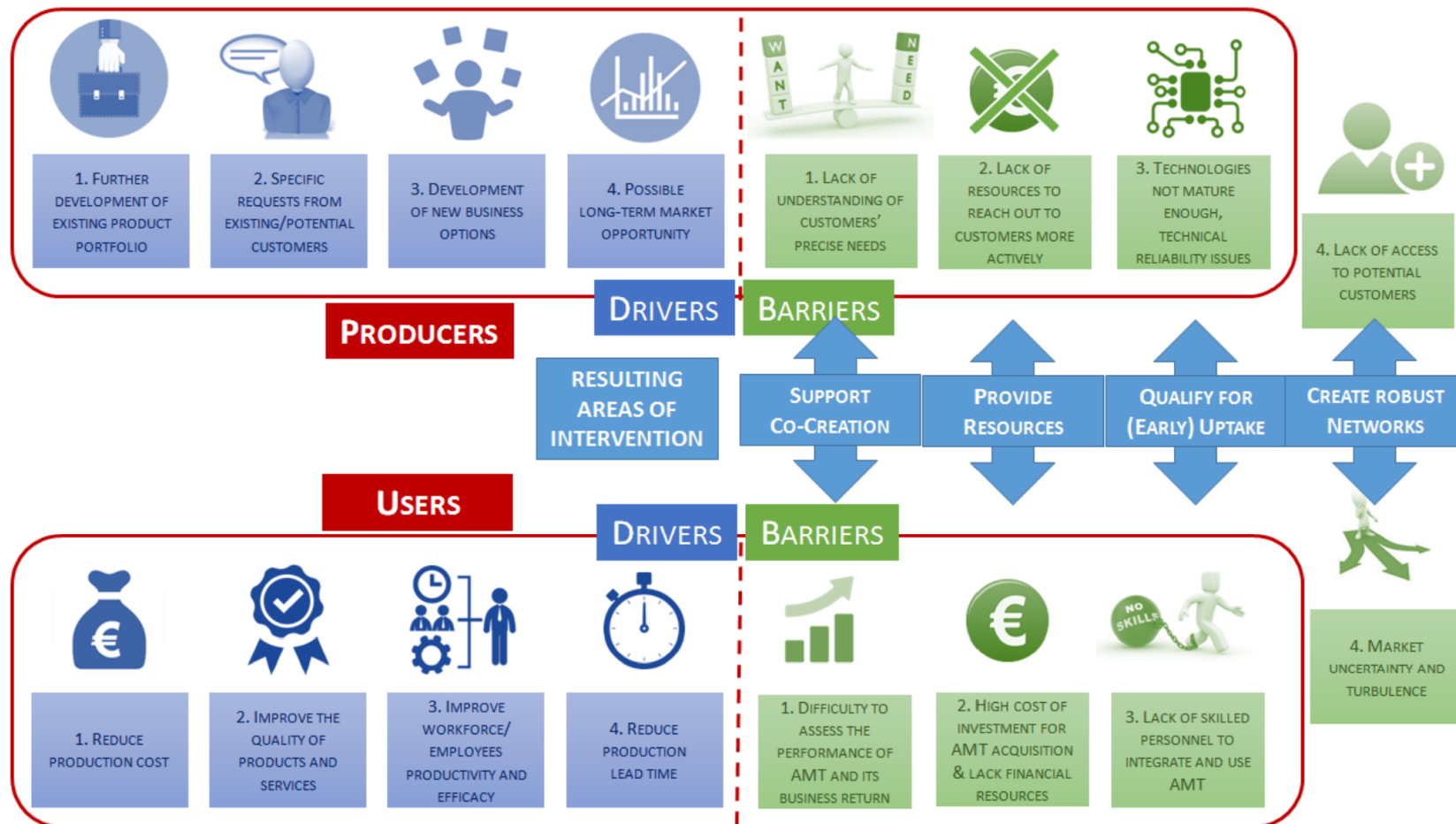


# PRODUCTION TECHNOLOGIES SECTOR & INDUSTRY TRANSFORMATION





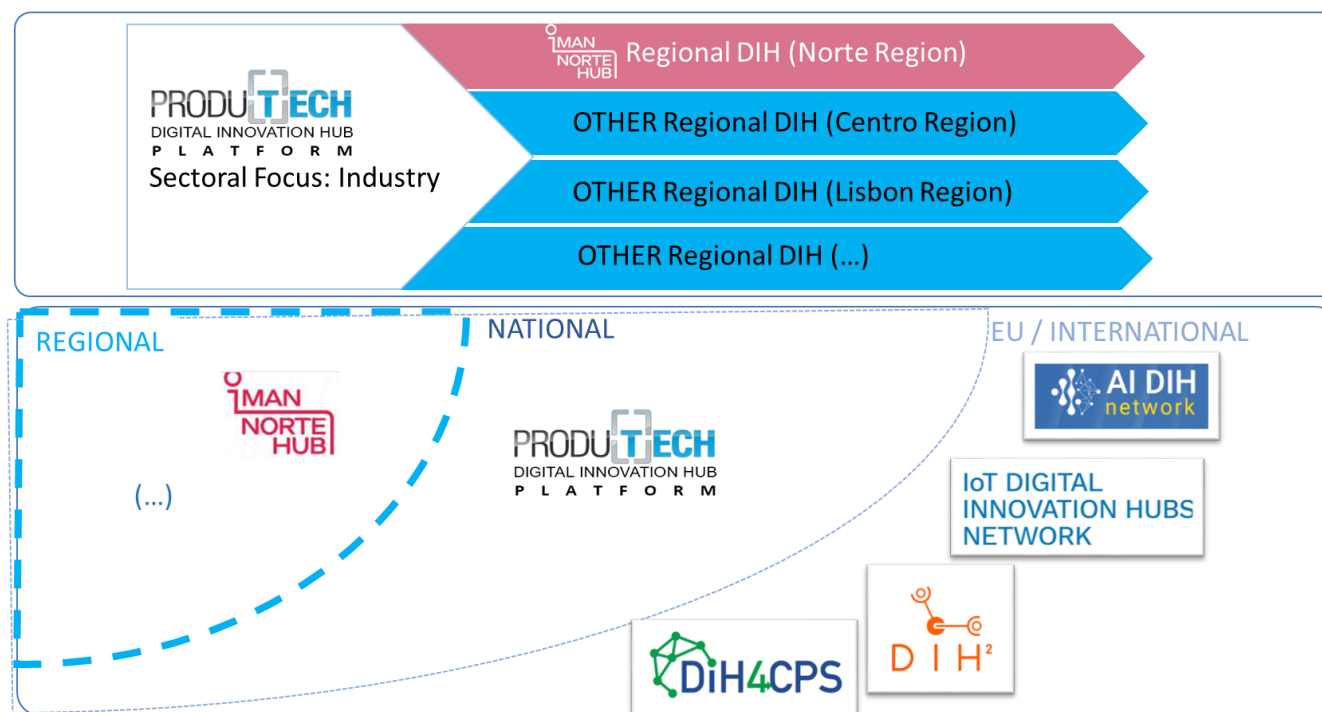
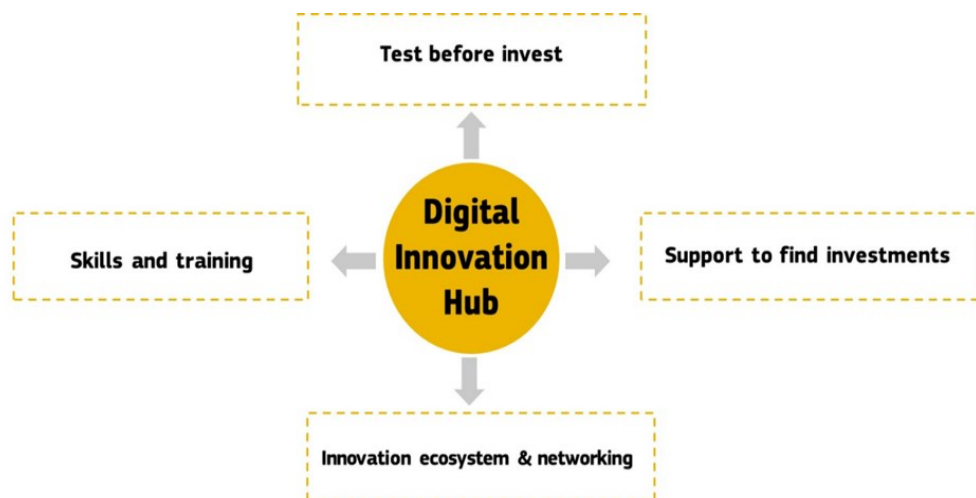
# INDUSTRY TRANSFORMATION | THE DRIVERS AND BARRIERS IN THE ADOPTION OF AMT



Source: An analysis of drivers, barriers and readiness factors of EU companies for adopting advanced manufacturing products and technologies, EC GROW, FhG, IDEA Consult, ITIA, VTT, 2017



## AN IMPORTANT ROLE IS THEREFORE COMMITTED TO DIGITAL INNOVATION HUBS





# COVID-19, A NEW INDUSTRIAL STRATEGY and THE RECOVERY URGENCY



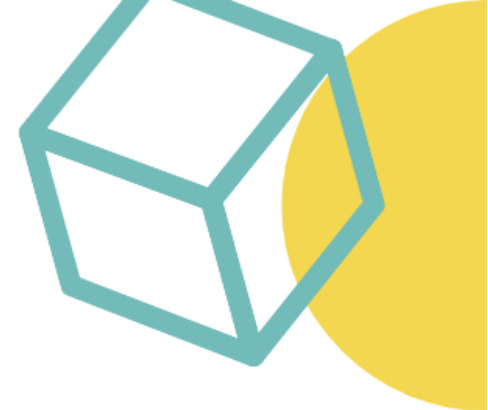
... focus on

**RECOVERY**

**REINDUSTRIALIZATION**

**RESILIENCY**

*... which, naturally, should be rooted on the strengths, capacities and potential embedded within the smart specialization strategies...*



## European Digital Innovation Hubs | A new momentum



### European Digital Innovation Hubs in Digital Europe Programme

Draft working document  
22-10-2020

Disclaimer: This is a document to prepare the implementation of European Digital Innovation Hubs in Digital Europe Programme. It is based on the draft Digital Europe Programme regulation and the outcome of four meetings with Member State representatives where these ideas were discussed. It has also been validated with other stakeholders during the 3<sup>rd</sup> Stakeholder Forum on Digitising European Industry "Artificial Intelligence and Digital Innovation Hubs - beyond 2020", which took place on 13-15 November 2019 in Madrid. The Digital Europe Programme is subject to approval by the European Parliament and the Council.

This is a minor update of the document dated 05-05-2020 with corrections in the explanation of state aid (Section 2.3), small clarifications in Sections 3.2, 3.2.1 and 3.2.2, and updates to the "Proof of designation" and "EU survey" at the end of the document. It takes into account a budget reduction of 17.5%, which is caused by the outcome of the European Council meeting of July, and it has the timing of different steps adapted to what is known on the 8<sup>th</sup> of October. It will stay in "draft" status, and only factual errors will be corrected. The final version of these ideas will be published in the Workprogramme of Digital Europe Programme that is under development.

The European Commission cannot be held liable for any of the views expressed in this document.

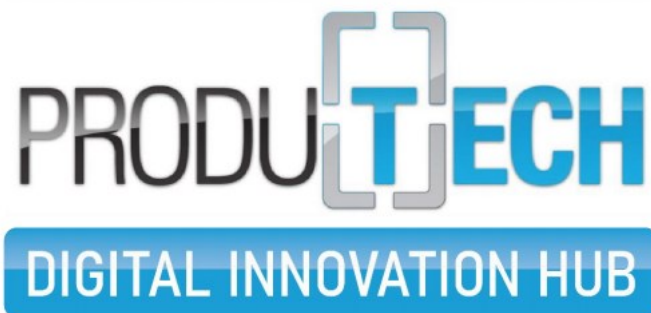
Commission européenne/Europese Commissie, 1049 Brussels/Bruxelles, BELGIQUE/BELGIE - Tel. +32 22991111

**"European Digital Innovation Hubs will have both local and European functions.** (...) European Digital Innovation Hub (EDIH) is a organisation or a coordinated group of organisations with complementary expertise, with a not-for-profit objective that support companies (...) and/or the public sector in their digital transformation."

*Source: European Digital Innovation Hubs in Digital Europe Programme , 2021*



## AN INTEGRATIVE EDIH PROPOSAL FOR INDUSTRY TRANSFORMATION

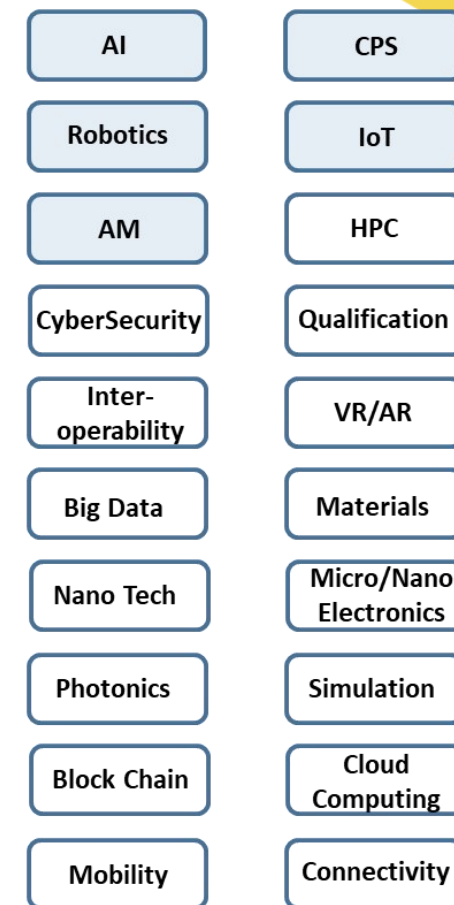
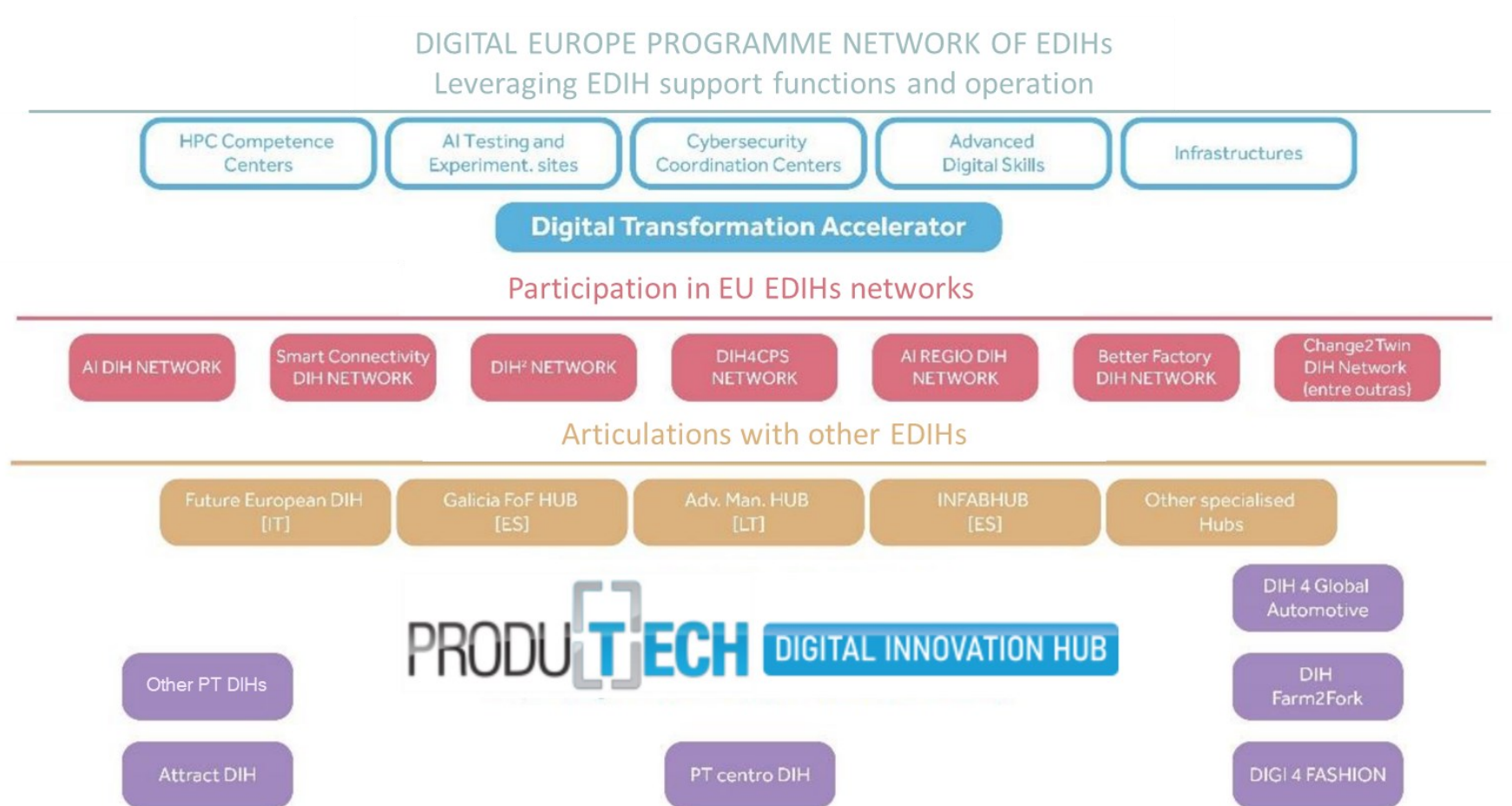


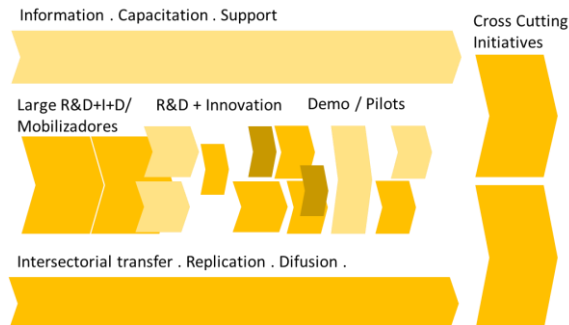
An integrative **European Digital Innovation Hub value proposition**,  
... consolidating interventions from both DIH initiatives co-promoted by PRODUTECH,  
notably the original **PRODUTECH DIH PLATFORM** and **iMan Norte Hub**,  
... drawing strengths on their extensive footprint and intervention at **both Local and European level**,  
... and which is deeply rooted in the local strengths, capacities and potential,  
**leveraged by the pertinente smart specialization strategies.**





# THE CONSOLIDATION OF A INTEGRATIVE EDIH PROPOSAL FOR INDUSTRY TRANSFORMATION





*The challenges of the 21st century require a strategic, coordinated and innovative response.*

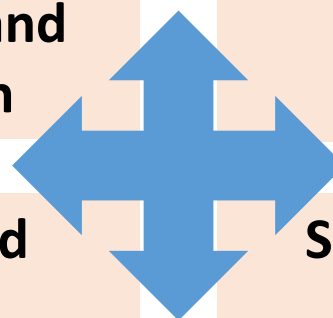
A STRATEGIC & COHERENT  
CLUSTER-ENABLED AGENDA  
SUPPORTING  
INDUSTRIAL  
TRANSFORMATION

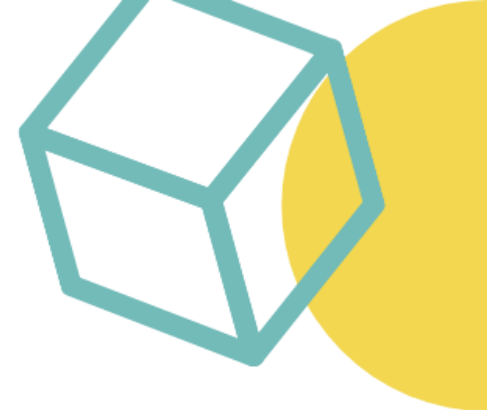
Growth, Qualification and  
Strategic Cooperation

Visibility and  
Internationalization

Promotion of R&D and  
Innovation

Strategic Information and  
Intelligence





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