Progetto DIH
Triveneto

FORUM AIC

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Digitising European Industry

To facilitate coordination of European, national & regional initiatives
such as Industrie 4.0 (DE), Smart Industry (NL) (SK), Industrie du Futur (FR)

Mainstreaming digital innovation across all sectors:

Setting up a pan-European network of Digital Innovation Hubs

Strengthening leadership in digital technologies

- Public-Private Partnerships
- Industrial platforms
- Large scale pilots & test beds

Preparing People for the digital age: Skills & Training

Regulatory framework:

- Free flow of data & data ownership
- Safety & liability of autonomous systems & Internet of Things

Challenges & opportunities of the **Internet of Things**

CLOUD

European Cloud Initiative in a data-driven economy:

- European Open Science Cloud
- European Data Infrastructure
- Widening access & building trust

High Performance Computing   Quantum

STANDARDS

Fast development in 5 priority areas:

- 5G
- Cloud Computing
- Internet of Things
- Data Technologies
- Cybersecurity

DIGITAL PUBLIC SERVICES

eGovernment Action Plan:

- New Digital Single Gateway
- eJustice Portal
- "Once-only" principle in Administrations
- Cross-border Health services
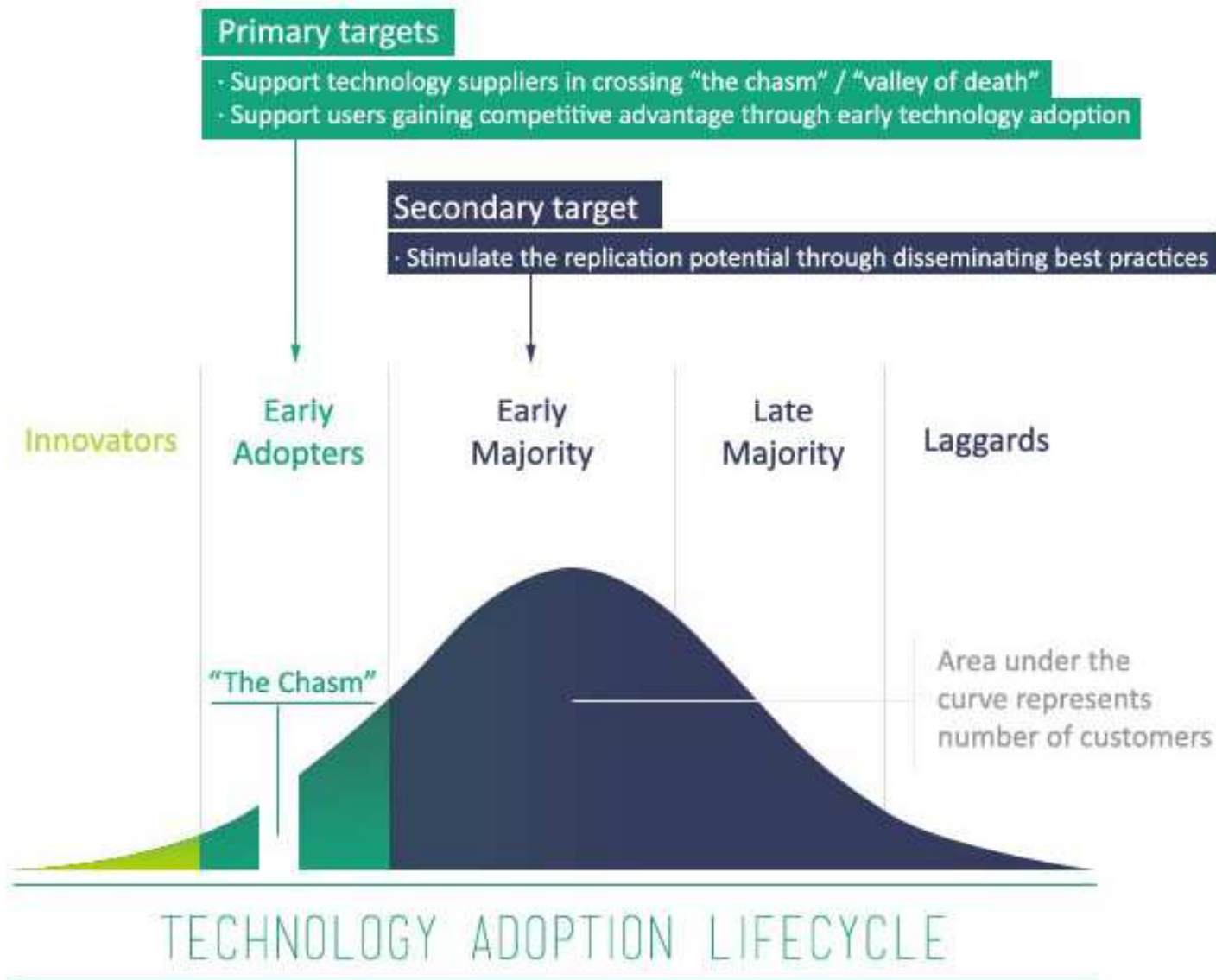- eProcurement & "Once-only" in public procurement

To focus investments
(Horizon 2020, EU Investment Plan, EU Structural & Investment Funds, national & regional funds, private sector)

MOBILISING €50bn of public & private investments
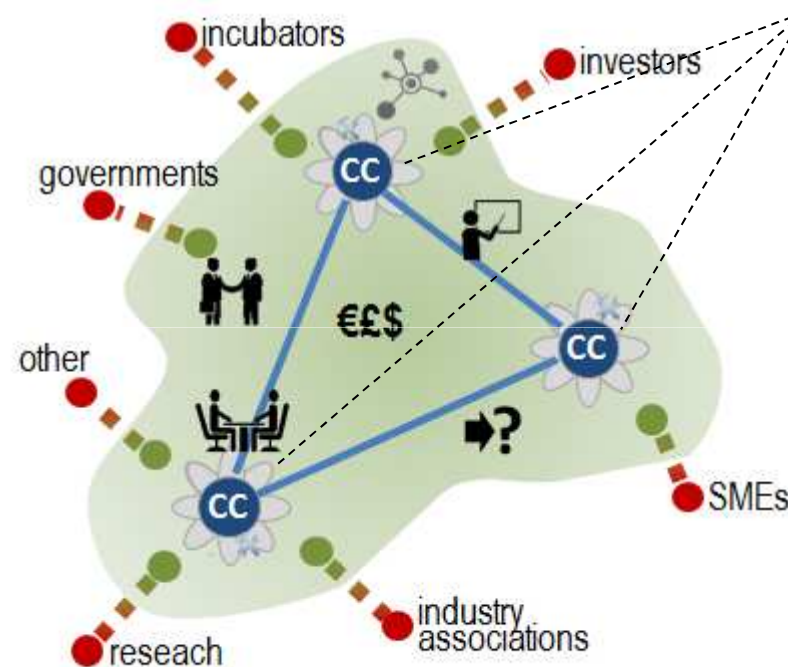
#DigitiseEU
@DSMeu

DigitalSingleMarket

bit.ly/DigitiseEU

Technology Adoption Lifecycle

Primary targets
- Support technology suppliers in crossing "the chasm" / "valley of death"
- Support users gaining competitive advantage through early technology adoption

Secondary target
- Stimulate the replication potential through disseminating best practices

Innovators — Early Adopters — Early Majority — Late Majority — Laggards

"The Chasm"

Area under the curve represents number of customers

TECHNOLOGY ADOPTION LIFECYCLE

Source: Wikipedia

Competence Centres Vs Innovation Hubs

DIGITAL INNOVATION HUB

Organised to provide services to industry

- Access to competence centres
- Development of innovation ecosystem
- Brokerage
- Access to finance
- Market intelligence
- Training and education
- Incubator/mentoring services

COMPETENCE CENTRE

Competences in Digital Technologies

- Provide access to infrastructure and technology platforms
- Provide digitisation and application expertise
- Support experimentation in real-life environments
- Support fabrication of new products
- Demonstrate best practices
- Showcase technologies in pilot factories, fab-labs

Regions/SM
- ❑ Establish/**reinforce competence centres**
  - – Across Europe – specific support for regions without DIH
  - – Implement relevant activities if needed (incentives, …)
- ❑ **Collaborate with** digital innovation hubs of **other regions**
  - – to fill gaps and facilitate specialisation and excellence

EU Commission
- ❑ Support pan-European networking of Digital Innovation Hubs
  - – Share best practices, success stories, training
  - – Develop catalogue of Hubs, competences, etc
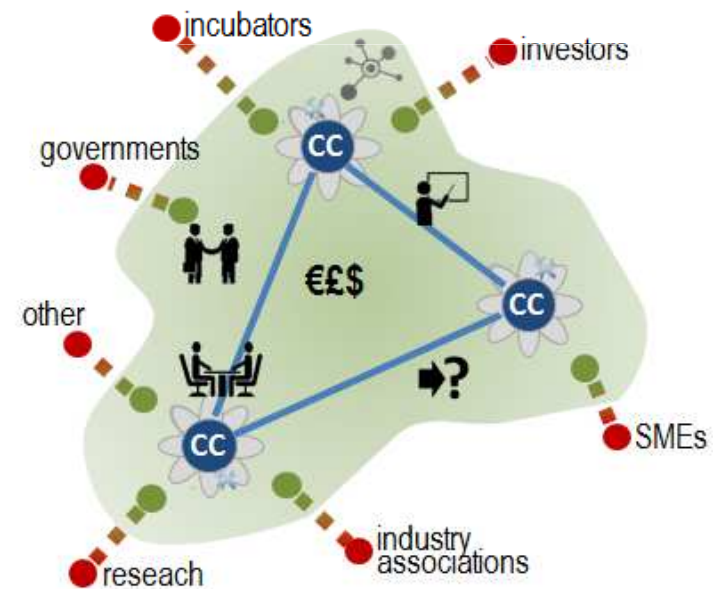- ❑ Promote use of EU and other funds (ESIF, EFSI)

Industry
- ❑ Engage with competence centres, help set priorities,..
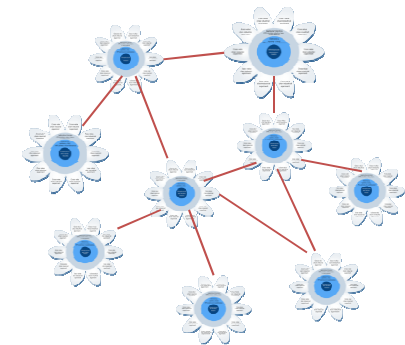
- Business case
- Industrial exploitation strategy
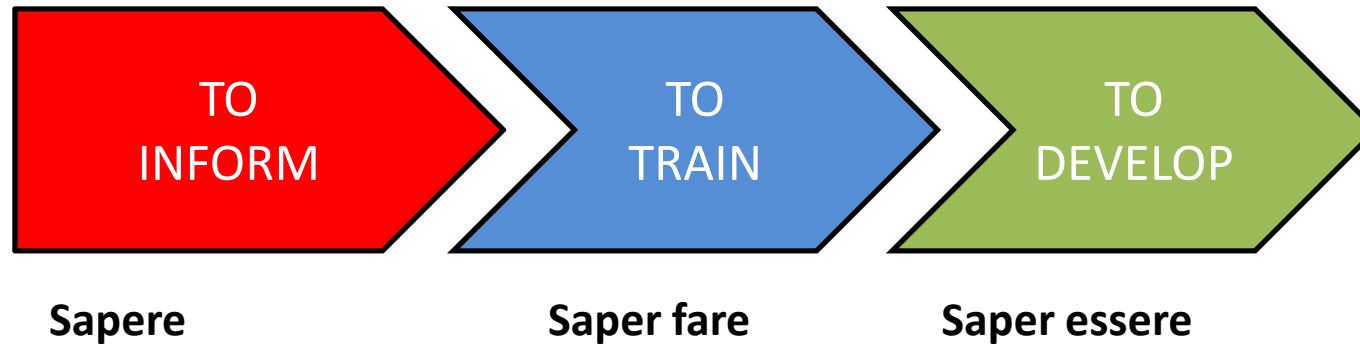
I4MS

To create a sustainable Ecosystem on the long term

- *Business plan for the one-stop shop/marketplace*
- *Attracting investors*
- *Support business development of SMEs*
- *Provide training opportunities to SMEs*

incubators
investors
governments
CC
€£$
other
CC
CC
SMEs
reseach
industry associations

FoF
Factories of the Future
Public Private Partnership

DIH Triveneto – 3 levels'Offering

TO INFORM	TO TRAIN	TO DEVELOP
Sapere	**Saper fare**	**Saper essere**

Main goals

- To define a common language SMEs centered
- Shared rules in engaging companies
- Service Level Agreement (SLA) explicited and guaranteed
- Growth of other DIHs' networks in a connected and shared vision
- Link with other networks supporting the Digital Transformation
- Link development with global tech players
- Deal with finance and venture worlds

Obiettivo

- Sviluppare un ecosistema di servizi IT-based che possano fornire un servizio di primo livello (accessibile, easy-to-use, affidabile)
- Supportare il matching tra ricerca ed impresa (approccio one-stop-shop)
- Permettere l'accesso a infrastrutture usate in ambiti scientifici ma con grandi potenzialità per le PMI
- Creare una massa critica di utenti disposti a sperimentare soluzioni all'avanguardia e propositivi verso nuove sfide (es manufacturing 4.0, bio-mimicry, fotonica, ecc)

INVESTIGATE	ARTICULATE	IDENTIFY	HARVEST	RANK	IMPLEMENT
•State-of-the-art discovery around question	•Question specification	•Confirmation of most relevant experts and contact details collection	•Anonymised Q&A to spot the most interesting proposal and motivated experts	•Selection of the most interesting proposal based on content, price and reputation	•Execute the collaboration agreement (tech transfer, partnership, sub-contracting, …)
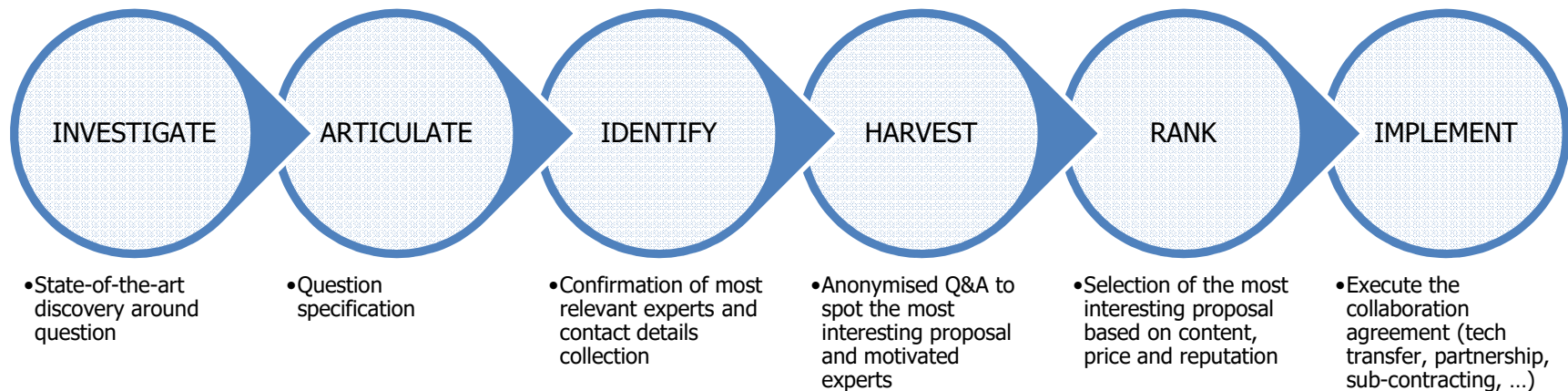
Nuove traiettorie

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- Nuove traiettorie di sviluppo (progettuale e non solo)

    - FIRE
    - IOT
    - Federated laboratories
    - CPPS

- Il passo successivo è la collaborazione con paesi extra-UE su tecnologie di frontiera (es JP, BR, KR)

Support for local development

- Drafting, Discussion and revision of Sustainability plan
- Matching with regional policies (ie S3) and integration with national and European priorities
- Search of funding opportunities
- Design of New services and deployment of a pilot (digital) service
- Technologies foresight (…beyond HPC/IOT/CPS)
- Networking with European intermediaries and Centres of interest for local industrial community
- Training/Mentoring on innovation audit (ie methodology, KPI, metrics)

Cognitive Sciences Lab (UX)

Applied Research Mixed Reality (AR, VR)

Use of innovative digital (HPC, CPS)

- sustainability
- New services AVA (foresight, intelligence)
- Digital skills
- Living lab
- Multidisciplinarity
- Support to the industrial ecosystem
- Participation to S3 definition at regional level
- EU (DG RES, DG CNECT, DG GROW)