Horizon Standardisation Booster

## *Standardisation as a mean to valorise research results*

Webinar 31 May 2022

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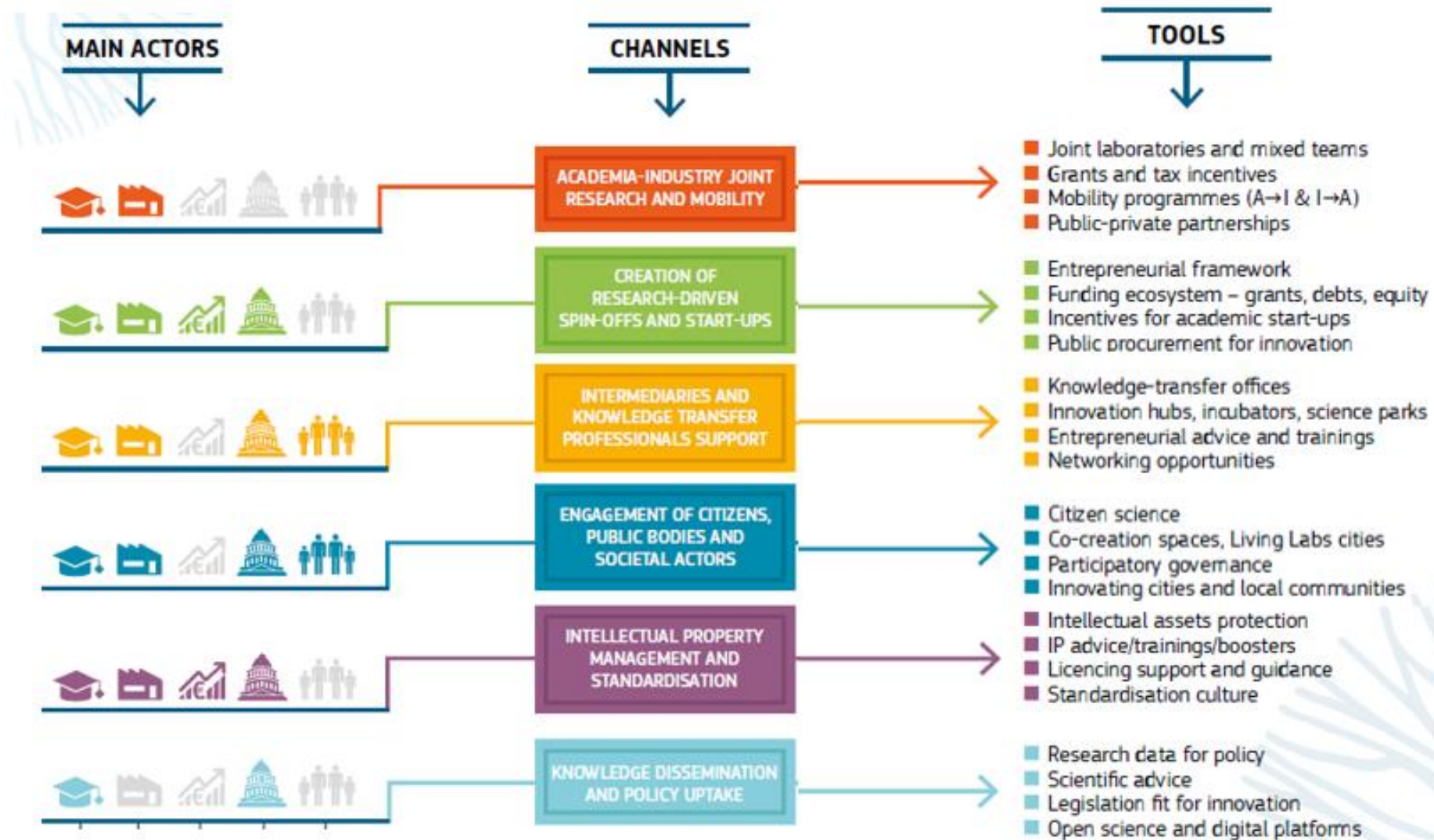Unit E.2 – Valorisation Policies & IPR
DG Research & Innovation

European Commission

Policy Review:
R&I Knowledge Valorisation Channels and Tools

RESEARCH & INNOVATION

Valorisation Channels and Tools

Boosting the transformation of knowledge into new sustainable solutions
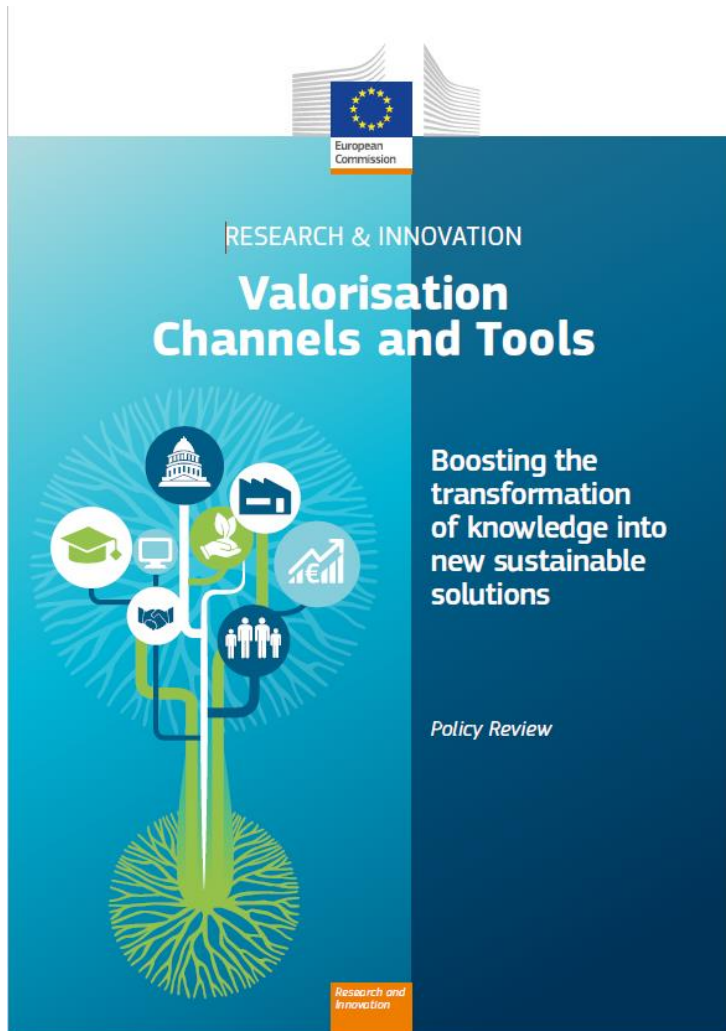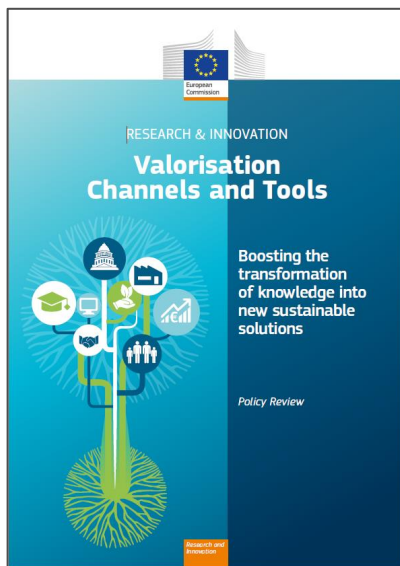
Policy Review

This policy review provides a toolbox to promote the uptake of R&I results and data. To enhance the diffusion of excellent national, regional and organisation-level initiatives, it also includes references to **European and international best practices**.

Mapping valorisation actors, channels and tools

MAIN ACTORS → **CHANNELS** → **TOOLS**

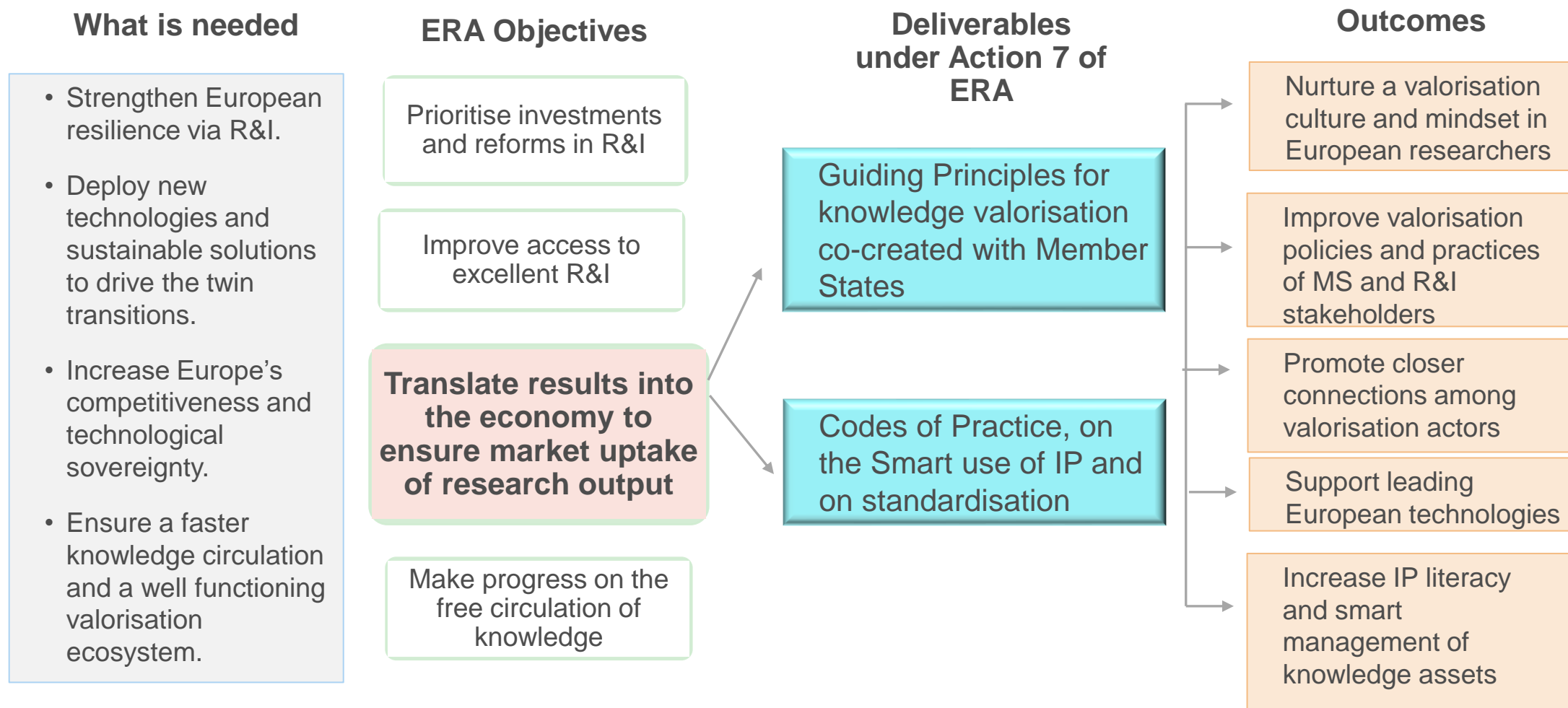| Channel	Tools
ACADEMIA-INDUSTRY JOINT RESEARCH AND MOBILITY	Joint laboratories and mixed teams Grants and tax incentives Mobility programmes (A→I & I→A) Public-private partnerships
CREATION OF RESEARCH-DRIVEN SPIN-OFFS AND START-UPS	Entrepreneurial framework Funding ecosystem – grants, debts, equity Incentives for academic start-ups Public procurement for innovation
INTERMEDIARIES AND KNOWLEDGE TRANSFER PROFESSIONALS SUPPORT	Knowledge-transfer offices Innovation hubs, incubators, science parks Entrepreneurial advice and trainings Networking opportunities
ENGAGEMENT OF CITIZENS, PUBLIC BODIES AND SOCIETAL ACTORS	Citizen science Co-creation spaces, Living Labs cities Participatory governance Innovating cities and local communities
INTELLECTUAL PROPERTY MANAGEMENT AND STANDARDISATION	Intellectual assets protection IP advice/trainings/boosters Licencing support and guidance Standardisation culture
KNOWLEDGE DISSEMINATION AND POLICY UPTAKE	Research data for policy Scientific advice Legislation fit for innovation Open science and digital platforms

European Commission

The policy context

- **Competitiveness Council** (Research and Space), **28 May 2021** on renewing the European Research Area: among key principles and the vision for ERA, the ministers stressed in particular transfer of knowledge and cooperation between industry and academia

- The Commission **Proposal for a Pact for R&I in Europe** adopted in **July 2021** identified **"value creation"** as one of the key principles underpinning European research and innovation, and highlighted **"knowledge valorisation"** among the priority areas for joint action by Member States

Knowledge Valorisation in ERA

European R&I leading recovery and twin transitions

What is needed

- Strengthen European resilience via R&I.

- Deploy new technologies and sustainable solutions to drive the twin transitions.

- Increase Europe's competitiveness and technological sovereignty.

- Ensure a faster knowledge circulation and a well functioning valorisation ecosystem.

ERA Objectives

Prioritise investments and reforms in R&I

Improve access to excellent R&I

Translate results into the economy to ensure market uptake of research output

Make progress on the free circulation of knowledge

Deliverables under Action 7 of ERA

Guiding Principles for knowledge valorisation co-created with Member States

Codes of Practice, on the Smart use of IP and on standardisation

Outcomes

Nurture a valorisation culture and mindset in European researchers

Improve valorisation policies and practices of MS and R&I stakeholders

Promote closer connections among valorisation actors

Support leading European technologies

Increase IP literacy and smart management of knowledge assets

European Commission

European Industrial Strategy & Standardisation Strategy

The European Green Deal

A European Industrial Strategy

Standardisation Strategy

← Tweet

Mariya Gabriel ✔
@GabrielMariya

How #Research & #Innovation results work for society?

Check out the factsheet on the [NEW] Standardisation Strategy stressing the untapped potential of #EUfunded research in supporting future trends.

→ europa.eu/!gRd6wG

#Valorisation #ResearchImpactEU

STANDARDISATION FLOW

FROM RESEARCH TO STANDARDS

FROM IDEA TO PEOPLE

RESEARCH   RESEARCH RESULTS   STANDARD DEVELOPMENT   MARKET

@EUScienceInnov #standardisation
#ResearchImpactEU
#EUResearchArea

European Commission
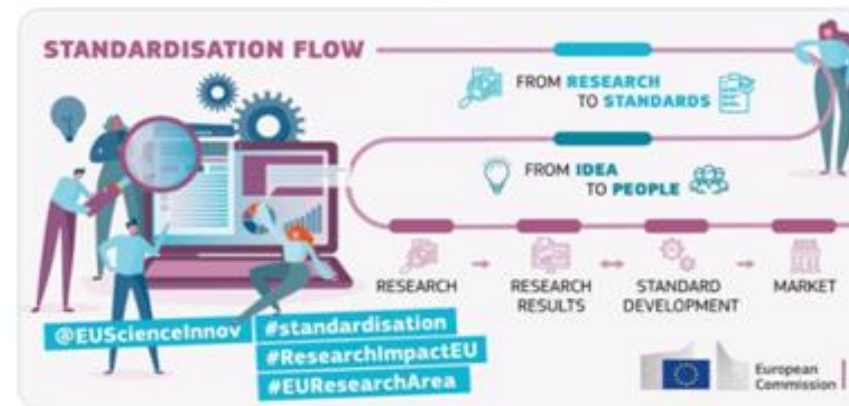
👤 CEN and CENELEC and 7 others

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Standardisation Strategy – the key actions

No alignment with political priorities

➢ Enhance Annual WP to reflect standardisation urgencies

➢ High-Level Forum to assist in priorisation

➢ Review of all harmonised European standards against contribution to zero-emission economy and Europe's Digital Decade

➢ EU excellence hub and Chief Standardisation Officer

Good governance concerns

➢ Proposal for amendment → introducing good governance principles for ESOs

➢ Call to ESOs to modernise their governance

➢ Announce the Evaluation of Regulation 1025/2012

➢ MS peer review process on SME-friendly conditions

Geopolitics of standards

➢ Coordination of EU MS/NSB positions

➢ International standards for a free, open and secure global internet

➢ EU funding (Horizon, NICI), pilots in African countries and EU Neighbourhood

➢ Continuation of concerted actions with like-minded partners (TTC, Japan)

Unexploited potential of pre-normative work

➢ Code of Practice for researchers

➢ Standardisation Booster

Lack of experts

➢ Targeted actions on education and skills:
  ➢ Horizon Europe/COST
  ➢ EU Academy Platform/e-learning material
  ➢ Standardisation University Days

European Commission

Element of the EU Strategy on Standardisation

HSbooster.eu is the "Standardisation Booster"

- *a platform to help H2020 and Horizon Europe beneficiaries whose research results are likely to lead to the revision or creation of a standard and to test the relevance of their results for standardization*

- *Engage the R&I community early on in standards development*

- *Raise strategic awareness of standardisation*

- *Build expertise and skills in standardisation*

- *Promote EU interests and values through standards*

- *Address standardisation urgencies [...] in green and digital technologies*

From the EU Standardisation Strategy

HSbooster.eu will support the creation of value in R&I investment and create a flow from projects to standardisation activities

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Priorities that HSbooster.eu will address & base activities

Standardisation urgencies*

- COVID-19 vaccines and medicines production

- Critical raw materials for batteries and waste batteries

- Climate resilience of infrastructure and low-carbon cement

- Hydrogen technologies and components

- Transport and storage of hydrogen

- Standards for the certification of chips in terms of security, authenticity, reliability

- Smart contracts for data spaces

* 2022 annual Union work programme for European standardisation

HSbooster.eu is currently expanding on these urgencies, identifying broader call topics and sub-topics

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How can the HSBooster.eu valorise R&I by standards?

- Develop a strong ecosystem culture by stimulating the connection between R&I and standardisation community

- Bring on board local and regional authorities

- Facilitate free knowledge circulation

- Match the agenda of SDOs and R&I projects

- Systemic integration of gap analyses for the identification of appropriate Technical Committees

- Realistic stepping-stones within the project cycle and beyond

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HSbooster.eu – The essentials

- Coordination & Support Action

- April 2022 – March 2024

- Budget €2m

- HORIZON-WIDERA-2021-ERA-01-32 - Standardisation Booster for fostering exploitation of FP-funded research results

- Strong consortium with expertise and experience in the standardisation field, delivering EC Booster services, training and matchmaking services

- Authoritative External Advisory Group with solid background cross cutting academia & industry with their competences

COMMpla
Communication Platforms and Online Solutions
- Project Coordinator
- COMMpla Platform manager

Trust-IT Services
communicating to markets
- Automated services management

DCU
Ollscoil Chathair Bhaile Átha Cliath
Dublin City University
- EAG management Open calls and EPE management

UNIVERSITY OF BELGRADE
- Training academy management

DS DANSK STANDARD
- Proactive services management

SGS
- Premium services management

European Commission