

#EUVocationalSkills
#EUVocationalExcellence



CENTRES OF VOCATIONAL EXCELLENCE

Skills ecosystems for innovation,
regional development, and social
inclusion

TUESDAY, JUNE 16, 2020
9:00am CET
VIRTUAL CONFERENCE

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Erasmus+ Programme
of the European Union

1) INNOVATION

*"Science" based and
"Practice" based Innovation*

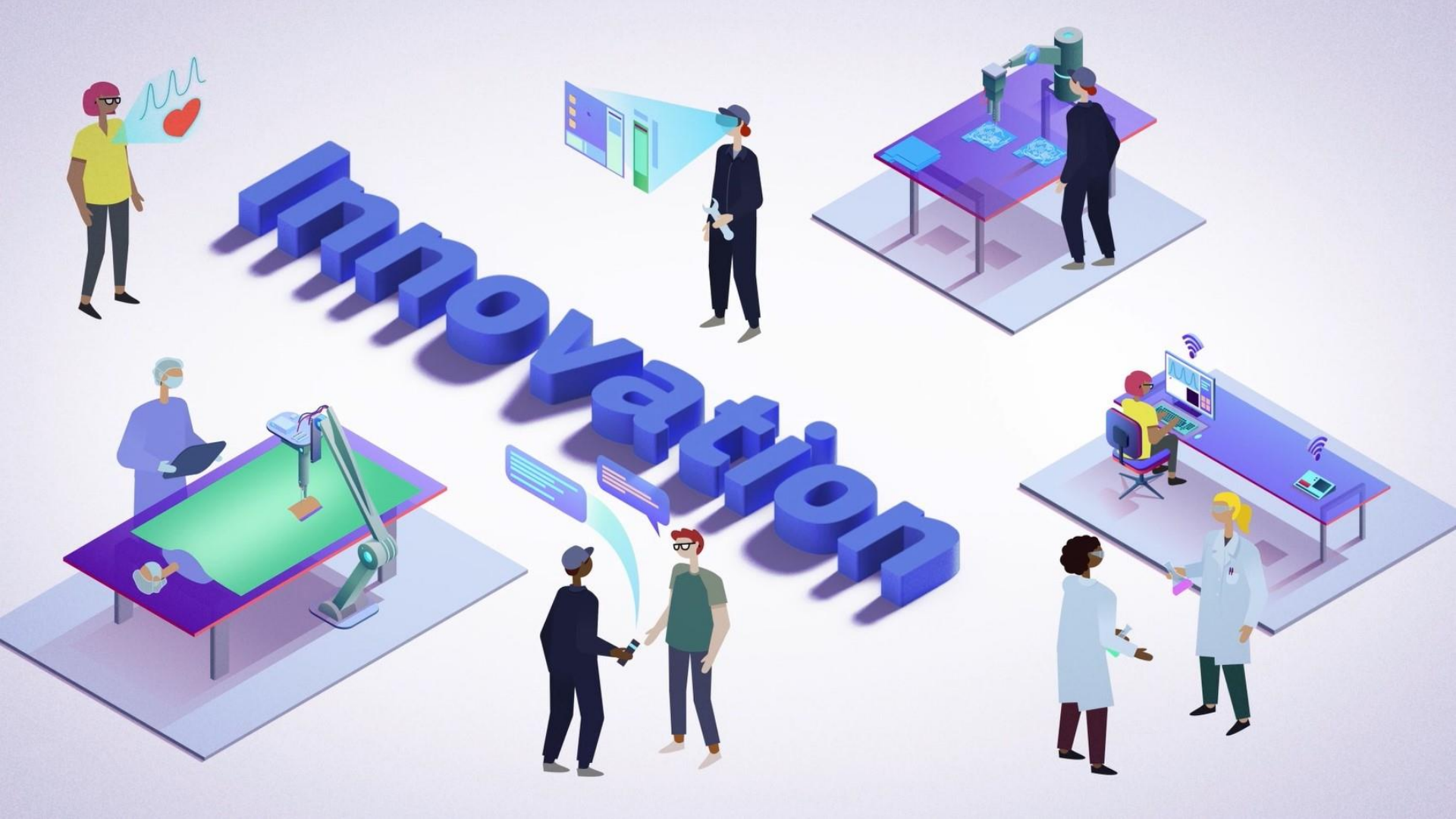


2) CENTRES OF VOCATIONAL EXCELLENCE (CoVE)

Vocational Education and Training "fit" for the future

3) THE WAY FORWARD: POLICY, FUNDING, AND SUPPORT SERVICES

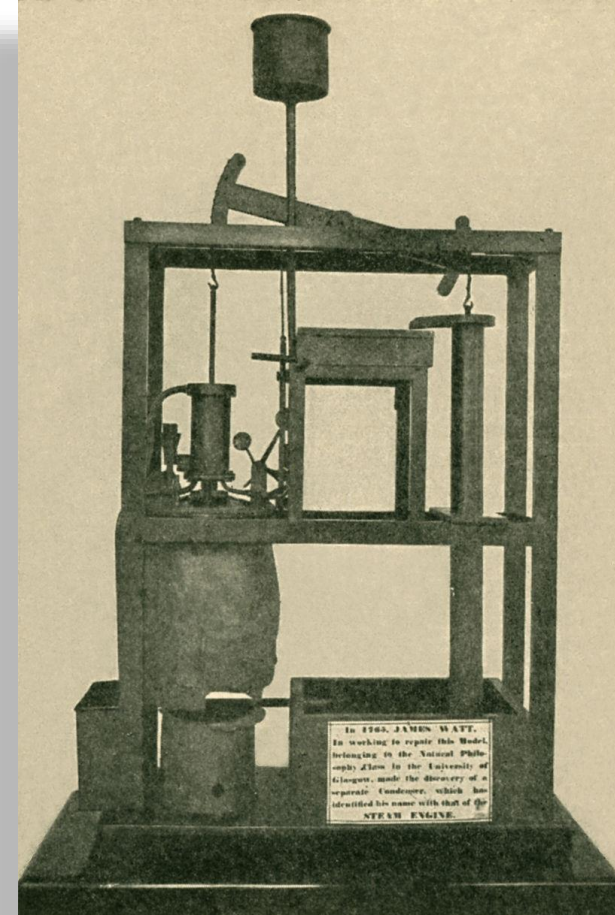
A favorable environment for effective implementation of CoVEs



The invention of the Steam Engine



- In the 1760s an instrument maker and repairman at the University of Glasgow was asked to repair a model of the Newcomen Pump.
- **James Watt *the repairman*** - not the university professor or professional researcher – identified the problem, solved it, and set in motion the Industrial Revolution that followed.



Burke, J. (1978), "Connections: An Alternative View of Change", BBC documentary series, <https://archive.org/search.php?query=subject%3A%22connections%22%20creator%3A%22james%20burke%22>

Science-based - Science, technology, innovation

According to the Innovation in Europe survey, **only 4% of innovations are based on academic research.**

Practice-based - Doing, using, interacting

The survey also shows that the most significant sources of innovation are **customer contacts, company networks and the like.** These produce **96% of innovations.**

Innovations usually evolve from a **practical need**, and they are developed in a context that is far removed from the environment where scientific innovations are produced.





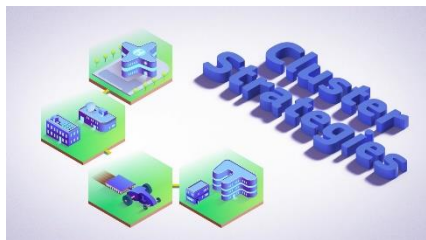
Centres of Vocational Excellence (CoVEs)...

CoVE's fostering local/regional "Skills ecosystems"



CoVEs an integrative part of skills ecosystems, contributing to:

- *Innovation,*
- *Regional development,*
- *Smart specialisation strategies,*
- *Cluster strategies*



Bringing together:

- *VET institutions*
- *Universities of applied science*
- *Research centres*
- *Companies*
- *Chambers*
- *Professional or sector associations*
- *Trade unions*
- *Policy makers*
- *Employment services/agencies*
- *Regional development agencies*
- *Municipalities*



Foster Vocational Excellence at two levels

NATIONAL

Through **Centres of Vocational Excellence (CoVE)**

Operating in a given **local context**, embedding them closely in the local **innovation** and **skills ecosystems**, working with businesses, chambers, tertiary education, research institutions, public authorities, etc.

TRANSNATIONAL

Through **Platforms of CoVE's** to establish world-class reference points for VET by bringing together partners that share a common interest in:

- Specific **sectors/trades** - *such as aeronautics, e-mobility, green technologies, healthcare, textiles...*
- **Societal challenges** - *such as integration of migrants, Digitalisation, AI, SDG, upskilling and reskilling...*

Typical activities of CoVE's

Pro-active partner in local development



**Regional development,
Smart Specialisation,
Knowledge triangle**



Governance
(social partners, national
and local governments
VET providers,
development agencies...)

Providing both Initial
and continuing VET
at all EQF Levels



Innovative curricula,
& Teaching & training
methodologies
(PBL, Interdisciplinary...)

Cost-sharing,
sustainable funding,
and effective use of
EU funding

**Vocational
Excellence**

Higher VET, and
Flexible pathways
with Schools and
Universities

Technology
diffusion and
Innovation Hubs

Quality assurance
feedback loop,
learner tracking

Incubators
supporting
entrepreneurial
initiatives

Partnerships for:
Skills anticipation,
Apprenticeships,
T&T exchanges...

Validation and
Guidance



The European Union
is supporting



with funding and
technical expertise.

VET policy contributing to overall EU strategy and goals



- ✓ EU Strategic Agenda and Political guidelines
- ✓ The European Pillar of Social Rights Action Plan
- ✓ The update Skills Agenda
- ✓ The European Education Area
- ✓ The Digital Education Action Plan
- ✓ Industrial Strategy for Europe
(**Skills4Industry**)
- ✓ The UN Sustainable Development Goals



Centres of Vocational Excellence

Erasmus+ 2019 Pilot projects



Advanced Manufacturing 4.0
<https://examhub.eu/>



Digital Innovation Hub for Cloud Based Services
<https://dihubcloud.eu/>



Water sector
<https://povewater.eu/>



Cultural and creative industries
<http://deuscci.eu/>

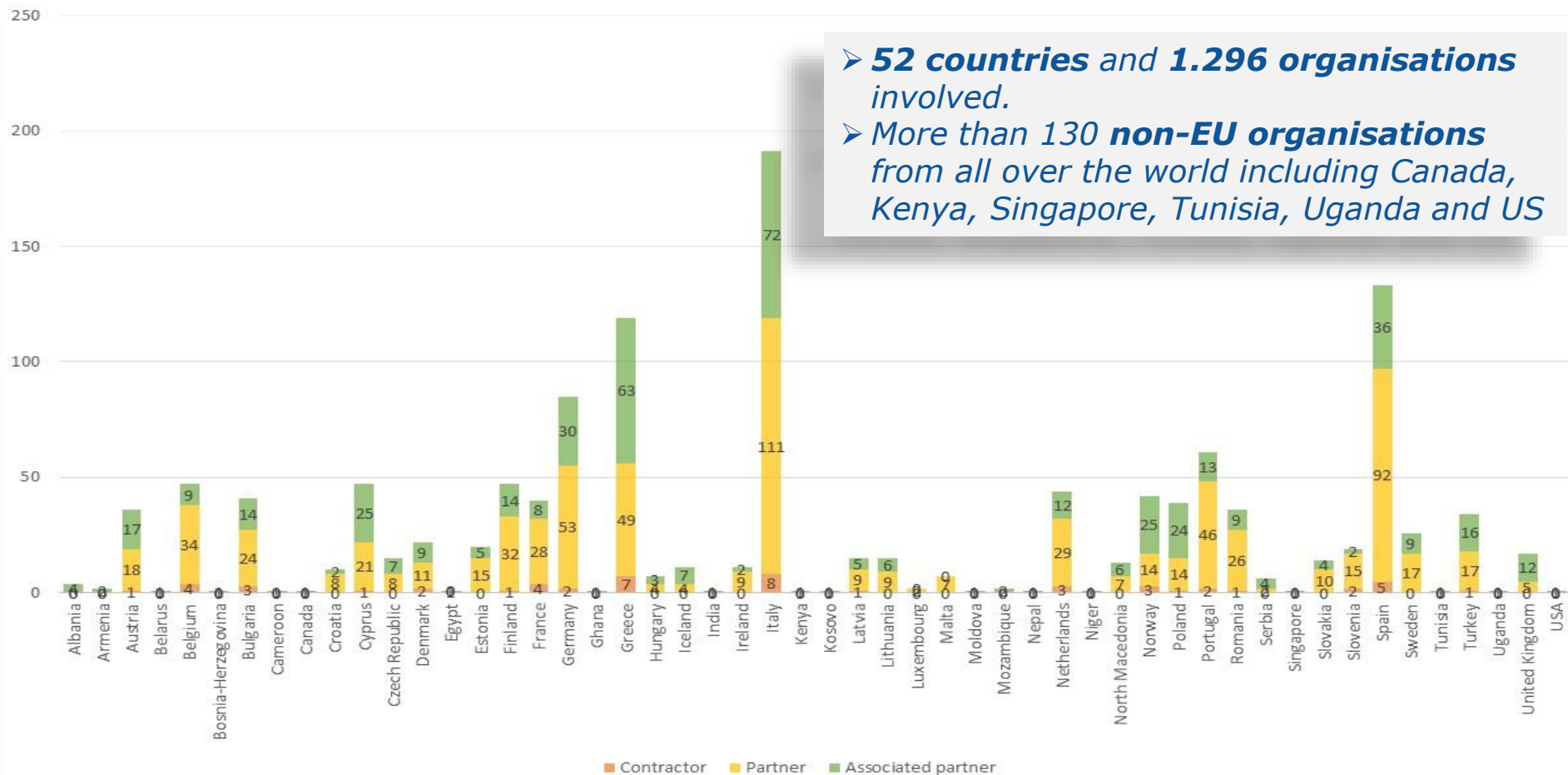


IoT in Smart manufacturing
<https://talentjourney.si/>

ERASMUS+ 2020 - KA3 CALL FOR CENTRES OF VOCATIONAL EXCELLENCE

COUNTRIES PARTICIPATING IN PROJECT APPLICATIONS, BY ROLE

- **52 countries** and **1.296 organisations** involved.
- More than 130 **non-EU organisations** from all over the world including Canada, Kenya, Singapore, Tunisia, Uganda and US



CoVE Support Service

3 hubs (indicative proposal)



Knowledge

Providing evidence, research, information, tools and methodologies

- Newsletters
- Scientific research
- Skill intelligence
- Policy briefs
- Guidelines
- Examples of good practices
- Interactive mapping
- ...

Capacity building

Stakeholder engagement in collaborative sharing of knowledge, know-how, and competence

- Expert steering group
- Peer learning activities
- Networking opportunities
- Seminars/Workshops
- Other events
- Internationalisation
- ...

Technical assistance & counselling

Providing expert support and general guidance to VET organisations and authorities

- Technical assistance on project implementation
- Use of tools and methodologies
- Coaching and training
- Information on sources of EU and national funding
- Evaluation
- ...

One single digital platform + links to relevant websites

Resources on CoVE's



- 1) European Commission mapping study on approaches to **Centres of Vocational Excellence**
<https://ec.europa.eu/social/main.jsp?catId=738&langId=en&pubId=8250&furtherPubs=yes>
- 2) European Training Foundation: **Centres of vocational excellence – an engine for VET development?** - An international analysis
<https://www.etf.europa.eu/en/document-attachments/centres-vocational-excellence-engine-vet-development>
- 3) Joint Research Centre: **The role of VET in Smart Specialisation Strategies**
<https://s3platform.jrc.ec.europa.eu/-/skills-and-smart-specialisation-the-role-of-vocational-education-and-training-in-smart-specialisation-strategies>
- 4) Cedefop Briefing note **Innovation and training: partners in change**
<https://www.cedefop.europa.eu/en/publications-and-resources/publications/9103>
- 5) UNESCO-UNEVOC study on **Innovation in technical and vocational education and training (TVET)**
<https://unevoc.unesco.org/go.php?q=UNEVOC+Publications&lang=en&null=&null=&akt=id&st=&q=6273>
- 6) OECD Report on **Regions in Industrial Transition**, Policies for People and Places
<http://www.oecd.org/publications/regions-in-industrial-transition-c76ec2a1-en.htm>
- 7) Industry 2030 High Level Industrial Roundtable report “**A vision for the European Industry until 2030**”
<https://ec.europa.eu/docsroom/documents/36468>
- 8) Report on **High-Tech Skills**: Scaling up best practices and re-focusing funding programmes and incentives
http://skills4industry.eu/sites/default/files/2019-11/EA-01-19-571-EN-N_incl-exec-sum.pdf and
<http://skills4industry.eu/sites/default/files/2019-10/EA-01-19-639-EN-N.pdf>
- 9) Increasing EU's talent pool and promoting the highest quality standards in support of **digital transformation**
https://skills4industry.eu/sites/default/files/2019-06/Brochure_Digiframe_final20190617.pdf
- 10) Skills for Industry - Skills for **Smart Industrial Specialisation** and **Digital Transformation**
http://skills4industry.eu/sites/default/files/2019-11/EA0419517ENN_Skills for Smart Industrial Specialisation and Digital Transformation - Brochure.pdf
- 11) Skills for industry - **Online training** : promoting opportunities for the workforce in Europe
<https://op.europa.eu/en/publication-detail/-/publication/1b81c203-f553-11e9-8c1f-01aa75ed71a1/language-en>
- 12) Skills for Industry - **Curriculum Guidelines 4.0** <https://op.europa.eu/en/publication-detail/-/publication/845051d4-4ed8-11ea-aece-01aa75ed71a1>
- 13) Skills for SMEs: **Big Data, Internet of Things and Cybersecurity** <https://op.europa.eu/en/publication-detail/-/publication/82aa7f66-67fd-11ea-b735-01aa75ed71a1/language-en/>
- 14) Article in the **CECIMO Magazine** on Platforms of Centres of Vocational Excellence <https://www.cecimo.eu/newsroom/magazine/>
- 15) **The Erasmus+ call for pilot projects on CoVE's**, published on 15 October 2019
https://eacea.ec.europa.eu/erasmus-plus/funding/ka3-centers-of-vocational-excellence_en

Follow your passion

Vocational Education
and Training is a first choice.