How to conduct research studies in Projects?

- What kind of tools / methodology can be used to collect data ?
- How to bring together universes that are not used to cooperate (Research / Education / Business) and to have a common understanding of the Research expectations ?

FORUM ON VOCATIONAL EXCELLENCE

#copcoves
#europeanyearofskills

AIR IN VET
BARCOVE
MOSAIC

2023

MOSAIC
Mastering job-Oriented Skills in Arts & crafts thanks to Inclusive Centres of vocational excellence

Sectoral CoVE focusing on

Arts & Crafts

01.06.2022 - 31.05.2026

BULGARIA
Harmonia1 – VET centre
CCI Dobrich – Regional chamber of commerce and industry

CANADA
CEGEP – VET centre and R&D centre

FINLAND
OMNIA – VET centre
Wooden Oy – Craft company
LAB – University

FRANCE
SEPR – VET centre
CRMA – Regional chamber of crafts
UJM – University
INMA – National network of crafts professionals (AP)
Worldskills France – Association (AP)

ARMENIA
SEF – informal educational institution

TRANSNATIONAL NETWORKS
EfVET – European network of VET providers
WCCE – European network of crafts professionals (AP)

ITALY
SCF – National association of VET centres
UnionCamere – Regional chamber of trade, industry and crafts
UNISER – Mobility provider
Materahub – Cluster in Cultural and Creative Industries
Golinelli - philanthropic foundation (AP)

Co-funded by the European Union

MOSAIC consortium's VET offer

Furniture & Wood

- Cabinet-making (EQF 3 & 4)
- Wood-carving (EQF3 & 4)
- Joinery (EQF4)
- Artistic and Industrial upholstery (EQF4)
- Furniture finishing (EQF4)
- Woodworking & furniture technology (EQF5)
- Furniture design (EQF6)

Precious metals & jewellery

- Jewellery making (EQF 3 & 4)
- Precious metals (EQF4)
- Artistic processing of metals (EQF4)
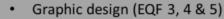- Design of contemporary jewellery and precious objects (EQF 5 & 6)

Traditional & rare crafts

- Shoe-making (EQF 3 & 4)
- Artistic ceramics (EQF 3 & 4)
- Sculpture (EQF4)
- Blacksmithing (EQF4)
- Sami crafts (EQF4)
- Restoration (EQF4)
- Musical instrument making (EQF4)
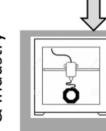- Watchmaking (EQF4)
- Pottery (EQF 5 & 6)

Design, Arts & Industry

- Graphic design (EQF 3, 4 & 5)
- Industrial design (EQF 4 & 6)
- Packaging & brand design (EQF6)
- Digital design (EQF6)
- Design, Arts and crafts & industry (EQF7)

WP3 — RESEARCH

TASKS

Skill gaps
- 3.1 Development and delivery of questionnaires for companies
- 3.2 Focus groups with companies
- 3.3 Drafting of the skills gap analysis

Digital teaching
- 3.4 Self assessment of teachers' digital skills through SELFIE for teachers
- 3.5 Desk research on digitalisation in Arts & Crafts
- 3.6 Mapping of good practices on digital teaching in Arts & Crafts
- 3.7 Analyis of the results and drafting of the publication on digital teaching in Arts & Crafts

Inclusive methodologies
- 3.8 Desk research on social inclusion in Arts & Crafts
- 3.9 Mapping of good practices regarding social inclusion in Arts & Crafts
- 3.10 Analyis of the results and drafting of the publication on social inclusion in Arts & Crafts VET

Environmental education
- 3.11 Desk research on sustainability in Arts & Crafts
- 3.12 Mapping of good practices regarding sustainability in Arts & Crafts
- 3.13 Analyis of the results and drafting of the publication on environmental sustainability in Arts & Crafts VET

Fostering R&D
- 3.14 Desk research of VET centres implementing R&D programmes
- 3.15 Creation of a questionnaire and interviews with a sample of R&D centres
- 3.16 Benchmark and study visit to a VET centre hosting a R&D unit (CEGEP)
- 3.17 Drafting of recommendations on fostering R&D in VET

New business models
- 3.18 Desk research of new economic and social business models
- 3.19 Mapping of good practices on new economic and social business models in Arts & Crafts
- 3.20 Drafting of a paper on new economic and social business models suited to Arts & Crafts

European Observatory
- 3.21 Design thinking seminar to design the online European Observatory platform
- 3.22 Structure and development of the platform of the European Observatory on Arts & Crafts
- 3.23 Beta testing with local business and education stakeholders

Online scientific journal
- 3.25 Conceptualisation and creation of an online scientific journal on Arts & Crafts, hosted on the European Observatory platform

DELIVERABLES

- D3.1 SKILL GAPS ANALYSIS IN ARTS & CRAFTS
- D3.2 PUBLICATION ON DIGITAL TEACHING
- D3.3 PUBLICATION ON METHODOLOGIES TO FOSTER SOCIAL INCLUSION
- D3.4 PUBLICATION ON METHODOLOGIES TO INCREASE ENVIRONMENTAL EDUCATION
- D3.5 RECOMMEN-DATIONS ON HOW TO FOSTER R&D IN VET
- D3.6 PAPER ON NEW BUSINESS MODELS TO SUPPORT YOUNG ENTREPRENEURS
- D3.7 ONLINE EUROPEAN OBSERVATORY
- D3.8 ONLINE SCIENTIFIC JOURNAL

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WP4

INNOVATIVE TRAINING MODULES AND TEACHING METHODOLOGIES

TASKS

Sectoral modules for learners	Entrepreneurship modules for learners	Digitalisation course for teachers	Social inclusion course for teachers
4.1 Development of at least 3 sectoral training modules on the basis of the findings in WP3	4.5 Development of training modules on entrepreneurship (based on the EntreComp framework)	4.9 Development of a training course for teachers on digitalisation, on the basis of the results of WP3	4.10 Development of training course for teachers on social inclusion, on the basis of the results of WP3
4.2 Testing of the sectoral training modules	4.6 Testing of training modules on entrepreneurship	4.11 Testing of the training course for teachers	4.11 Testing of the training course for teachers
4.3 Fine tuning of the sectoral training modules	4.7 Fine tuning of training modules on entrepreneurship	4.12 Fine tuning of the training course for teachers	4.12 Fine tuning of the training course for teachers
4.4 Final version of the sectoral training modules	4.8 Final version of training modules on entrepreneurship	4.13 Final version of the training course for teachers	4.13 Final version of the training course for teachers

DELIVERABLES

D4.1 SECTORAL TRAINING MODULES FOR VET LEARNERS IN ARTS & CRAFTS	D4.2 TRAINING MODULES FOR VET LEARNERS ON ENTREPRENEURSHIP EDUCATION	D4.3 TRAINING COURSE FOR TEACHERS ON DIGITLISATION	D4.4 TRAINING COURSE FOR TEACHERS ON SOCIAL INCLUSION

Chambre de Métiers et de l'Artisanat AUVERGNE-RHÔNE-ALPES

OMNIA

INTERNATIONALISATION AND TRANSNATIONAL MOBILITY

Blended mobility for learners

5.1 Development of blended training modules to be offered by schools

5.2 Creation of a catalogue of blended transnational training modules

5.3 Pilot blended mobilities among VET schools and HEI to test the training modules

5.4 Collection of evaluation from participants and schools

5.5 Fine tuning and finalisation of the catalogue of training modules

Internationalisation course for staff

5.6 Collection and analysis of practices / materials on internationalisation in the teaching process

5.7 Development of the training course on internationalisation for teachers

5.8 Seminar on the internationalisation of VET

5.9 Testing of the training course on internationalisation for teachers

5.10 Collection of the feedback from participants and organisations

5.11 Fine tuning and finalisation of the online training course and mainstreaming

Mobility for professionals

5.12 Definition of Learning Outcomes for professionals, on the basis of skill gaps analysis in WP3

5.13 Creation of learning mobility experiences for professionals

5.14 Testing of Learning mobility experiences for professionals

5.15 Collection of the feedback from participants and organisations

5.16 Fine tuning and finalisation of the mobility scheme for professionals + upload of the learning experiences on the catalogue

D5.1 BLENDED MOBILITY CATALOGUE FOR EXCHANGES AMONG SCHOOLS

D5.2 TRAINING COURSE FOR SCHOOLS' STAFF ON INTERNATIONALISATION

D5.3 MOBILITY SCHEME FOR UPSKILLING PROFESSIONALS IN ARTS & CRAFTS

CoVE - European Platform for Urban Greening

As a European Platform for Urban Greening we work on increasing the knowledge and skills needed to address biodiversity, climate adaptation and well-being in the urban green living environment, and broadening expertise among professionals in Europe.

Working fields: **bioversity, climate adaptation and wellbeing of green**

BARCOVE develops an innovative and standard-setting model for school-company cooperation in vocational education and training. It focuses on applied research as a lever for scientific, technical innovation within urban space and water management.

Research fields in BARCOVE; **Permeable pavement, Soil and Plant Properties in Technical Sustainable Drainage Systems, Rainwater systems and Green roofs**

When BARCOVE reaches its end in December 2024, the project partners will have a number of completed and tested results

WP2 2023

WP4 2024

WP5 2024

WP3 2023/24

- An overview of previous experiences with applied science and school-company collaboration in the blue-green sector as well as a number of good and/or interesting practices in the field (**WP2**)

- An innovative development process, where business partners and VET schools have jointly developed and tested a prototype of a collaboration, where VET students based on the companies' concrete and real innovation needs have provided a number of practical solutions that are ready for implementation in the companies (**WP3**)

- A Recipe Book that, based on the partnership's analyzes and practical experience, explains how applied science can be implemented in a fruitful interaction between companies, VET schools and HEIs. (**WP4**)

- Two courses, designed for business leaders and employees as well as for VET school leaders and educators, which in a condensed form give participants concrete knowledge about the application of applied research in school-business collaboration, including the societal background, the business economic basis, the pedagogical-didactic thinking as well as the practical approach to the organization of it. (**WP4**)

- A proven format for an annual event, i.e. a Future Festival that combines seminar presentations, exhibitions and student competitions.(**WP5**)

Building Applied Research facility into a CoVE

LOVE THE IDEA

YES, AND…

BE PRESENT

Applied and Innovative Research in Vocational Education and Training

Overview

- AIRinVET = Applied Research and Innovation in Vocational Education and Training

- Erasmus+ grant 700.000€ (Partnerships for Innovation - Forward Looking Projects)

- Duration: 01.01.2023 – 01.01.2025 (24 months)

- Lead partner: TKNIKA (ES)

- Partners:
  - AFM-INVEMA (ES)
  - IMH (ES)
  - ISSO (NL)
  - EURASHE (BE)
  - Hanse-Parlament (DE)
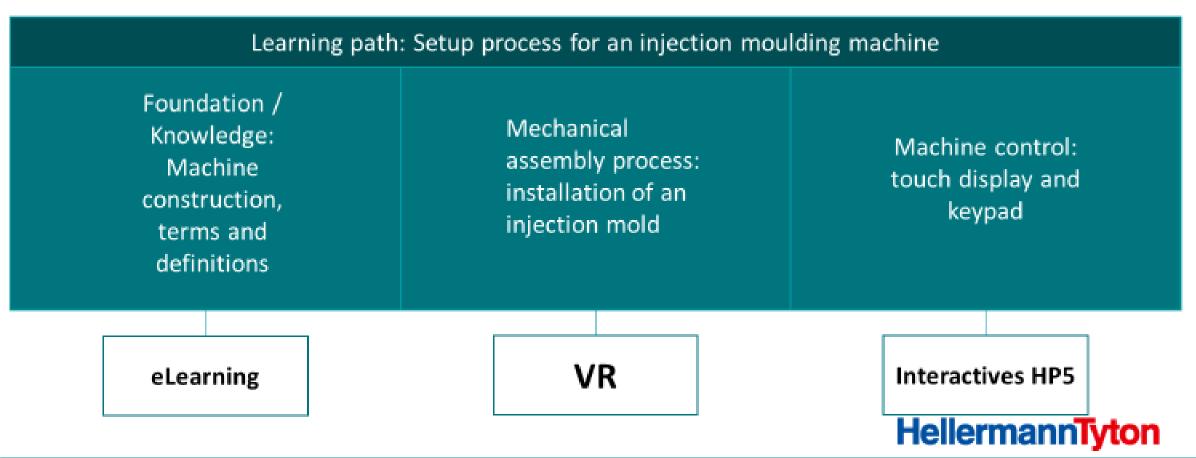 - BHH (DE)

Concrete actions

1. Mapping of VET centres involved in AR in Europe and abroad.

2. Collection of case studies to explain, describe, evaluate, and understand different approaches to do AR in VET.

3. Analysis of AR activities in different policy contexts in Europe.

4. Identification of financial models of AR in VET.

5. Creation of a glossary to clarify the meaning of the term "applied research", and other terms related to R&D, in the context of VET.

6. Report on main barriers and enablers to engage SMEs in AR in VET.

7. Development of tools for VET staff and teachers' mind-sets for AR.

8. Creation of a framework for building the capacity of VET systems to work on AR projects.

Example:
VR-Trainingsenvironment for setup process

" Get Ready for Our Hands-on activity

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2023

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KATA PULT
next level connection

Tknika

cop LUVEs

EUROPEAN YEAR OF SKILLS

European Commission
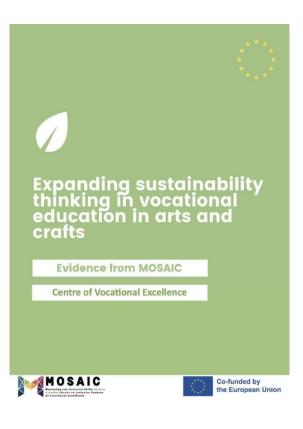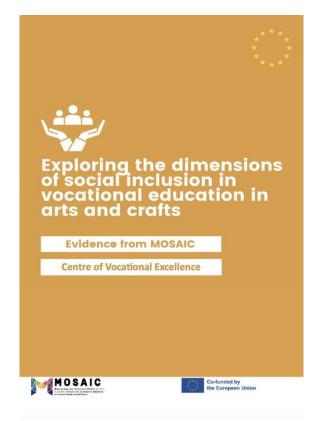
Rules of the Game

- You've been assigned a country (a partner on the MOSAIC project)
- You've been assigned a theme to work on
- You've been assigned a goal to achieve

- What methodolog(y)(ies) are you going to use to achieve your goal
- Use the material to brainstorm and document your thinking process
- At the end, you'll have two minutes to share your thoughts and decisions!

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Expanding sustainability thinking in vocational education in arts and crafts

Evidence from MOSAIC

Centre of Vocational Excellence

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Exploring the dimensions of social inclusion in vocational education in arts and crafts

Evidence from MOSAIC

Centre of Vocational Excellence

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Skill needs assessment for the arts and crafts sector

Evidence from MOSAIC

Centre of Vocational Excellence

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New economic and social business models to support young entrepreneurs

Evidence from MOSAIC

Centre of Vocational Excellence

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INTERESTING TO KNOW

- What process, methodology and tools do we use to work together, as we have such different profiles ;
- How to popularize Research for non-Researchers;
- How do we collect, analyze and share data ;
- The importance of the results and of the experience of learning from each other in a continuous process;
- Example of methodologies that we've used to collect data (Survey, Desk-research, Questionnaire, Focus Groups…)
- How to deal with Research with EU but also not EU partners ?
- Lessons learnt & Pitfalls to avoid