

Water sector professional - skills and competence gap Czech Republic



Service Engineer of Water Systems:

- Expert knowledge
- Responsibility
- Reliability
- Self-reliant (Independence)
- Team worker




Middle Manager (Head of Expert Team, Leading Designer of Water Systems, etc.):

- Leading skills
- Ability to transfer practical experience
- Aspiration to grow and to lead
- Language skills (English, German)
- Responsibility and reliability



Table: Skills and competences that future Water sector professionals currently lack but desperately need in Czech Republic

Progression routes for Regional CoVE Water Czech Republic

|  Key Issues |  Business Model Canvas or Activities |  Outcomes |
|--|--|--|
| <p>Limited study programs - Create Qualifications ECQF level 4 – 8, lack of students</p> | <p>Meet requirements of business bodies</p> <p>Campaigns on students</p> <p>MoU´s and Letter of support</p> | <ul style="list-style-type: none"> • Incorporation of water education into the Regional ecological and environmental education strategy 2021+ • Accreditation of new PhD study program Landscape management (MENDEL University) in Czech and English • Massive marketing campaign at the universities (brought e.g. 30% increment of applicants for Landscaping and Landscape Engineering in 2021 in comparison to 2020) • Preparation of joint summer school for students of secondary schools with water focus or partly water focus |

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| | | <ul style="list-style-type: none"> • Preparation of project “Virtual landscape” submitted to Norway funds (PC game simulating the response of different man-made landscape changes to the water circle components in landscape) • 4 signed MoU´s with VET schools from the Czech Republic (others in process) |
| Hybrid teachers | Connected and integrated hybrid teaching into the university and VET education | 20 % of the subject of Landscaping and Landscape Engineering regularly lectured by the hybrid teachers |
| Strengthen triple helix to support | <p>Meet requirements of business bodies</p> <p>Customer relationships</p> <p>Long-term institutional relationships</p> <p>Connecting water professionals</p> | <p>Online Regional partner meeting creacz</p> <ul style="list-style-type: none"> • strengthened support from the South Moravian Region structure • introduction of other linked platforms (Water4ALL, Water Smart Territories) <p>Conference Water and Beyond</p> <p>Support of developing Czech CoVE center</p> <ul style="list-style-type: none"> • included in drafting procedure • supporting by online consultatios • Czech CoVE is being established by natural persons |
| Connecting customers/stakeholders | <p>Informal and formal meetings for cluster members and other stakeholders to meet the project outputs</p> <p>Business – education cooperation network</p> | <p>Cluster members have been updated about project outcomes twice a month on regular online meetings. Updates also included in newsletters for wide range of stakeholders in water sector.</p> <ul style="list-style-type: none"> • Establishing of CoVE Czech • incorporation of PoVE project to the regional water focused projects (Water Smart Territories, iWatermap, Water4all) • Opening the tied discussion with the Regional Government focused on how to highlight the water topics in the region (3 meetings) |

Connecting students

Open Days

Online platform testing PoVE MOODLE

Short- term education programmes

Workshops and virtual classrooms/ education

Online webinar

Showcases

- Broad campaign including secondary schools and universities especially Mendel University and University of Technology Brno and Secondary School of Construction (SSC):

- Virtual open days – SSC for primary schools, Universities for secondary schools [Website](#)
- Virtual Open Day at VET school in Brno
- Designing of the Landscape management ambassador [Youtube](#)
- Personal virtual visits of ambassadors and teachers at schools on lower level (universities – secondary schools, secondary schools – primary schools)
- Webinars for the secondary schools (in preparation) under the Czech CoVE
- Online education platform of Vocational Excellence Educations [Website](#)
- Preparation of Erasmus project for the secondary schools helping with their traveling to go for the abroad expert experiences
- VET schools (students and teachers) included in Showcases provided by partners