

engineering principles. One of the most attractive approaches to acquired new (green) competencies is to apply a mixed teaching strategy and courses in non-engineering university disciplines. In STRENGTH project 5 competence areas are defined per occupational field: Environmental Health and Safety; Biotechnology; Food Science & Technology; Agricultural Engineering; Pharmaceutical Technology. All these areas are closely related to Chemical Engineering and offer immense possibilities for chemical engineers to increase their curriculum with specific green skills.

The project "STRENGTH" complies with the urgent need for establishing of common innovative models and initiatives for VET to enhance qualification transparency and comparability. It launches innovative and coherent model for qualification description in knowledge intensive Chemical Engineering sector with high Green employment potential. This main aim of the project corresponds to the need analysis of the participant countries, focused on cooperation between VET and the world of work.

Development of STRENGTH e-platform

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A well known and established way of presenting information, hosting of services and dissemination are project websites. They are usual also one of the results of the projects. For the project STRENGTH partners of the project decided that it will serve as the core e-platform. Its main purpose is providing details about the project and the tool in order to promote project results provide broadening the circle of interested public and to achieve sustainability of the project.

In this part of the project a technical framework (e-platform) was developed in terms of design, planning, arrangement and operation (including approbation of demo and final versions) as a mutual concept of project consortium. The planned activities included five steps, each exploiting appropriate methods and techniques as follows: Preparation / planning; Building up; Deploying - transfer of the site to live server(s); Maintenance - scheduling the technical support regarding time, content, updating and financial resources; Evaluation of operation - review of feedback comments / errors, bug fixing, upgrading.

The result comprises the analysis of needs and expectations about the project site at first, development through the multi-step process and maintenance of the Project website.

The purpose of the website is:

1. to present general information about the Project;
2. to provide e-frame for implementation of smart decision logic for structured description of Chemical Engineering related Competences for Green jobs development;
3. selection of Green key skills and Competences and definition of smart decision logic for structured description of Chemical Engineering related competences for Green jobs development,
4. selection of key Green skills and competences and definition of benchmarks regarding specific EQF levels;
5. serve as a tool for formulation of Organizational / Individual Professional Profiles;
6. personal Qualification Records (PQR) and Competence-based Certificates;
7. operate as project e-database and device for information exchange;
8. allow sharing of experience and ideas within and outside the project network;
9. ensure project and post-project life actions via dissemination and exploitation of project outcomes.

As part of e-platform Project STRENGTH competency profiler was developed as an important tool and implemented as tool embedded into project website. Its functionality provides: job profiling, employee selection and retention, individual development organization, succession planning, employee training, performance management, and maintain corporate culture.

STRENGTH intelligent tool for competence description

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The economic activities related to reducing the use of fossil fuels, decreasing pollution and greenhouse gas emissions, increasing the efficiency of energy usage, recycling materials, and developing and adopting renewable sources of energy encompass the so called green economy.

An essential sector in this context is the Chemical Engineering. Chemical Engineering covers the fields of chemistry, materials science and process engineering.