

Erasmus+

Verein Deutscher Ingenieure e.V. (Association of German Engineers) (VDI)

- Erasmus+
- National Agency "Education for Europe" at the Federal Institute for Vocational Education and Training
- Cooperation to promote innovation and exchange through exchange of good practices
- Strategic partnerships
- Strategic Partnerships in Vocational Education and Training
- Application round 2015
- Application round 1
- Grant Agreement Number 2015-1-DE02-KA202-002274
- Type of report Final
- Date of Submission - Beneficiary Report not yet submitted

Ralph Appel
Name of legal representative

Main content:

Report Form



Please answer briefly and precisely.

In 2010, a number of European engineering associations, under the auspices of the European Federation of National Engineering Associations, FEANI, launched the introduction of a European professional card for engineers.

Since then, the Engineering Card has increased transparency with regard to engineering qualifications within the European Higher Education Area (EHEA), in that way actively promoting professional mobility. It is therefore an important element in the system of professional recognition established by the EU.

The Engineering Card is subject to an ongoing process of further development. Taking into consideration that the importance of non-formal and informal learning outcomes has steadily increased in recent years, the idea emerged to adapt the Engineering Card to current trends, thereby enhancing its utility for engineers and companies alike in Europe. The key objective was to facilitate acquisition and validation of objectives acquired during the course of non-formal and informal learning by engineers within the system of the Engineering Card.

The Association of German Engineers (VDI) as the largest technical-scientific association in Europe has functioned as coordinator of the project. In addition to the European Federation of National Engineering Associations (FEANI), national engineering associations from Croatia (HIS), Slovenia (ZID) and the Czech Republic (CSVTS) were included as partners. In addition, the University of Porto (U.PORTO) has contributed its expertise as an outstanding research institution in the fields of engineering education and further training. All partners have extensive experience in project work, particularly in engineering and further training.

The main activities during the project runtime can be divided into two main sections: The project's core focus was the multi-stage development of an overall approach to documentation and validation of non-formal and informally acquired learning objectives. This was followed by an implementation phase, which included the technical integration of the plan in the form of a fully functional prototype in the existing VDI database.

The first phase began with a comprehensive and systematic analysis of the actual status at national and international level. During this process, the systems for documentation and validation of competence and learning objectives - technical and non-technical - that already exist were identified. Afterwards an analysis of these systems took place, in order to extract those elements suited to this project based on a best practice approach. These were then adapted to the specific abilities and learning outcomes of engineers so that the final version of the plan contains a documentation and validation system based on proven tools and methods that account for those requirements specific to the engineering environment.

Overall, the development of a plan for the documentation and validation of learning objectives by engineers and the obtaining feedback in the development process are necessary to raise awareness about the Engineering Card. This includes integration into the existing database. However, further measures are necessary to raise awareness about the product in the engineering community as well as in business and politics in order for the Engineering Card to become a recognised transparency and mobility aid in the long term.

2.1. Summary of participating institutions

2.1. Summary of participating institutions							
Role of the institution	PIC of the institution	Name of the institution	Country of the institution	Type of the institution	Accreditation of the institution (if applicable)	Project start date	Project end date
Applicant institution	946316869	Verein Deutscher Ingenieure e.V.	Germany	Other		01/09/2015	31/08/2017
Partner institution	932427730	HRVATSKI INŽENJERSKI SAVEZ	Croatia	Other		01/09/2015	31/08/2017
Partner institution	999894916	UNIVERSIDADE DO PORTO	Portugal	Other	P PORTO2	01/09/2015	31/08/2017
Partner institution	931645813	Český svaz vědeckotechnických společností	Czech Republic	Other		01/09/2015	31/08/2017
Partner institution	932558195	zveza inženjerskih društav marbor, nc, sl, feani	Slovenia	Other			
Partner institution	933303640	FEANI (FEDERATION EUROPEENNE D'ASSOCIATIONS NATIONALES D'INGENIEURS)	Belgium	Other		01/09/2015	31/08/2017