



INNOVATIVE QUALIFICATIONS FOR TECHNOLOGICAL AND ORGANIZATIONAL INNOVATION IN BUILDING SECTOR

PROJECT CODE:
N. 597840-EPP-1 2018-1-IT-EPPKA3-VET-JQ

Co-funded by the
Erasmus+ Programme
of the European Union



Newsletter n. 4 • January 2021

Project state of play

In the framework of the international project ICARO - Innovative Qualifications for Technological and Organizational Innovation in Building Sector, the partnership developed the new competence profile of the construction technician at EQF level 5. After an intensive work, 7 competences have been identified, among which digital, energy efficiency and soft skills.

The Icaro team is currently conducting a survey with the aim of validating this competence profile. The survey is addressed to the main stakeholders in the construction sector at EU level and it is available in 4 languages. It takes about 15 minutes to complete and it is completely anonymous.

You can find below the links to the survey.

The deadline is 25 January, thank you in advance for your participation!

English: <https://www.surveymonkey.com/r/BR2PZHK?lang=en>

Spanish: <https://www.surveymonkey.com/r/BR2PZHK?lang=es>

Italian: <https://www.surveymonkey.com/r/BR2PZHK?lang=it>

Lithuanian: <https://www.surveymonkey.com/r/BR2PZHK?lang=lt>

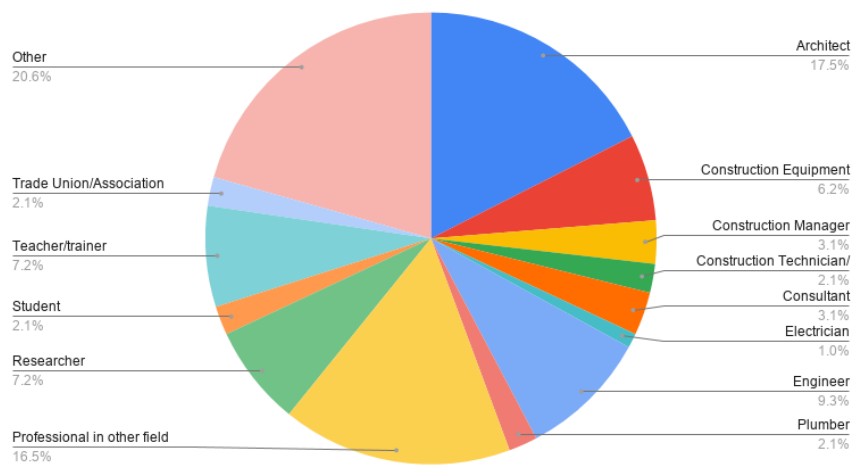
How to make the construction sector more inclusive?

The results of the survey

During the last months, the Icaro partners UniBO (University of Bologna) and ACE (Architects' Council of Europe) conducted a survey aiming to track the main barriers for women and youngsters who would like to approach a career path in the construction sector. The survey has been concluded with 100 participants, all considered valid and including also non-professionals in the sector.

The full analysis of the survey results will be published in the coming days on the project website. From this analysis is evident that, as claimed by several participants in the survey, further role models are needed in order to make the sector more inclusive. For this reason, the Icaro team is planning an awareness campaign intending to attract more women and youngsters to the industry. The team will run a series of interviews to key figures in construction (architects, trainers, as well as students) in the following weeks. If you want to know more, stay tuned on our social media and website!

Profession?



IIPLE: interviews with trainers and experts to better define the profile of the site technician

In order to collect information and suggestions on the improvement of the profile of Site Technician, IIPLE has decided to directly interview some teachers and experts of the training course already available in the centre of Bologna: TECNICO DI PROGRAMMAZIONE E GESTIONE DIGITALE DEL CANTIERE PER IL RECUPERO DEL PATRIMONIO ESISTENTE.

The aim of this confrontation was to detect the gaps, the topics which could be improved and the fields which should be added to complete the profile of Site Technician. Some expert, in the field of digitalization of construction industry and in the field of energy efficiency, were interviewed.



They highlighted that future of industry and of the construction sector is digitalization and use of IT modelling. Of course, a prerequisite for the diffusion of these digital tools in the construction

sector is the sensitization of the whole chain and the training of all the main profiles involved: producers, architects, engineers, installers and site technicians.

Its role is fundamental in the construction field, and therefore the site technician should master the theoretical knowledge and practical skills to understand and amend the required digital content at all levels of detail and complexity: 2D (plans, sections, technical drawings, etc.), 3D (CAD models, BIM models, etc.), 4D (models with time-related information for the project planning), 5D (models with cost-related elements for the cost estimation and management). And these same competencies have been added to the new profile of site technician developed and promoted by Icaro Project, as mandatory knowledge for this technician.

Another important aspect highlighted by the experts, underlines the importance of the role attributed today to the concepts of sustainability and energy efficiency. The construction sector plays an important role in this sense, as the whole buildings chain can produce severe repercussion on the consumptions of energy; on the other hand, a most sensitive approach of architects, engineers, construction site technicians and building enterprises can produce important savings and reduce the impact on the environment.

These aspects have been evaluated and added on the new profile of Site Technician, both in the section titled “Energy efficiency and sustainable construction” and in the section dealing with sustainable management of waste.

FLC Asturias, dissemination activities of the Icaro project

Innovative aspects facing the construction sector, such as energy efficiency, circular economy, Health and Safety, as well as digitalization are always important aspects to be spread throughout our professional construction workers.



This was the aim of the dissemination journey organised by Fundación Laboral de la Construcción del Principado de Asturias in Gijón (Asturias), last November, the 9th. The event was attended by the future technicians who are currently undertaking the

professional certificate of Energy Efficiency of Buildings (920 hours), vocational training that will allow them to work in energy companies devoted to viability studies, promotion, implementation and maintenance of energy systems in buildings, as well as energy audits and certifications, as energy managers, technicians or assistants for energy certification processes in buildings.

Participants showed their interest for the event, finding the ICARO outcomes very enriching and related to their activity. All of them agreed to be kept informed about further results.

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