

# 3 | JUNE 2022

# SEETHESKILLS NEWS



*Standing in front of the challenge for energy-efficient construction and acting at a market level in order to stimulate the demand.*



## Brief report on WP2 EE-skills survey results

In the course of the SEetheSkills project, we executed two surveys on the EE-skills: one for individuals and one for companies that are working in the field of Energy Efficiency, either in new construction, in the refurbishment of inefficient buildings, or in sustaining efficiency of already energy-efficient buildings. At the time of writing of this brief report well over 400 feedbacks were gathered through various channels from partner countries, covering well-distributed representatives from the industry.

The survey was designed to expose entropic information through a minimal set of questions with logical inter-dependencies related to the basic profiling, various aspects of the existing status of EE-skills, their development, use, and also gaps in the upskilling of the sector. We briefly present only one part of the results, which addresses the three high-level goals of the survey. The goal was to test the hypothesis demarcated

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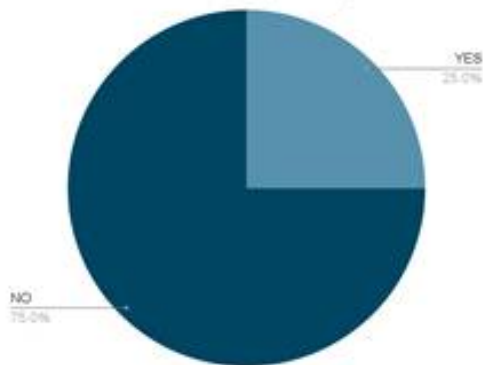
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with 3V - below described Visibility, Validation, and Value of the EE-skills.

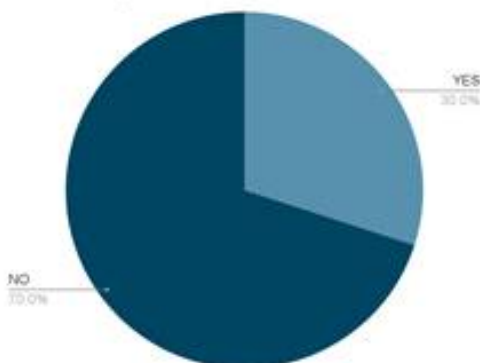
**Visibility.** The visibility test revealed that less than 25 % of individuals and companies have publicly listed EE-skills. Thus, giving a strong confirmation of the assumption that EE-skills are not even visible. Out of 25 % of individuals - that have their skills publicly listed - only 47 % have their skills published by adequately credible institutions, such as certification authorities, credible training providers or well recognized manufacturers. 40 % just publish their skills on social media, eg LinkedIn, or on the employer's web site.

Are the EE-skills publicly listed?



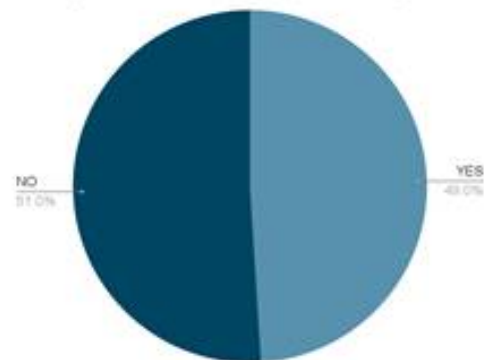
**Validation.** Only 30 % of the respondents have their EE-skills certified, which means that RPL (Recognition of Previous Learning) could address a plethora of currently unrecognised, yet valued skills. Namely, over 80 % of those individuals who already obtained their certificates through esteemed professional organisations (e.g., communities of practices, state chambers or professional associations) do not have officially validated achievements. This stands for both, individuals and companies, respectively.

Are your EE-skills certified?



**Value.** Less than 50 % of respondents use EE-skills to win new jobs. However, one would expect that the main value of recognized EE-skills would be to qualify for all tenders and/or to expose valued skills to the labour market. This reveals two important sides, 1st the demand side has no credible one-stop point to refer to in a case of need for specific EE-skills, and 2nd there may be fields for which the training and corresponding certificates are not available or accessible to the applicable workforce and companies.

Do your EE-skills help to win jobs?



Regarding the current gaps: interestingly, both surveys, for individuals and for companies, revealed high demand for training on “Coordination, Collaboration, and Cross-Craft” and for the “Use of BIM and Digitalisation on the Construction site”. More in articles to be published in relevant publications.

**Reported by prof. Tomo Cerovsek, University of Ljubljana.**

## Hearings from Slovenia, April 2022

From 21 to 23 April 2022, the Slovenian town of Gornja Radgona hosted the 31st International Construction, Energy, Utilities and Crafts Fair. The MEGRA fair brought together suppliers of craft products and services as well as manufacturers of materials and equipment with domestic and foreign investors. It promotes sustainable construction, renovation, installation and energy saving. There was also a focus on training for shortage occupations as well as the latest technology being

installed in homes and skills gaps that need to be addressed. On the first day, 21 April, CCIS CCBMIS gave a presentation on construction jobs, career opportunities and how to get there, as well as a presentation on modern approaches, advanced technology and modern tools used on the construction site.

A group of more than 500 pupils from primary schools visited the fair and listened to various technical presentations as well as inspiring testimonials from construction experts and construction workers. SEETHESKILLS promotional materials and gadgets were shared with the youth.

Throughout the day, there were presentations and discussions on the introduction of digitalisation in the process of planning, designing, executing and managing construction projects.

At the end, all students were able to test their knowledge of construction in an entertaining quiz conducted by a famous teacher from the construction industry and Muscion (a Raper). There were attractive prizes for the best participants.

For the detailed programme please [click here: Slovenian Construction Industry Education Day MEGRA 2022.](#)

**Reported by Valentina Kuzma, Chamber of Commerce and Industry of Slovenia (CCIS), Chamber of Construction and Building Materials Industry of Slovenia (CCBMIS)**



## European Vocational Skills Week 2022, May 2022

The premier event for the VET community (VET) took place once again, bringing together Europe's VET policy makers, industry leaders, teachers, organisations and students in a five-day online conversation.

All events were livestreamed and focused on the theme VET & the Green Transition. EC provided food for thought to a wider audience: Smart use of green technologies, rethinking and promoting understanding of what green products, processes, skills and innovations are needed to green jobs are essential for Europe's transition to a green economy. How can VET best prepare Europe's workforce for the challenges of the green transition?

Given the European Green Deal's commitment to create a zero-emissions continent by 2050, hear from high-level policymakers about initiatives to equip Europe's people with the skills and training for a green economy. Watch [here](#) and see [hot video clips](#)

Are we ready to achieve this goal? SEETHESKILLS actions support EC in their quest to improve the skills of the workforce, in our case to become more visible, more valid and more valuable. Follow us and help us improve our workforce and our common world goal!

**Reported by Valentina Kuzma, Chamber of Commerce and Industry of Slovenia (CCIS), Chamber of Construction and Building Materials Industry of Slovenia (CCBMIS).**



## Energy Management - The best energy is the one we don't need to consume

The Energy Management 2022 conference took place in the Grand Hotel Permon \*\*\*\* - Podbanské on April 7 - 8, 2022. The eighth year of the successful conference with the subtitle "The best energy is the one we don't need to consume" was organized by the Faculty of Civil Engineering, STU Bratislava (STUBA) in cooperation with the Slovak Society for Environmental Engineering and with expert group SK AEE - Slovak Association of Energy Engineers, ASENEM - Association of Energy Managers and the Slovak-German Chamber of Commerce and Industry. The conference was attended by 170 participants, more than 10 leading companies and companies and several representatives of agencies and associations in the field of energy.

The lectures were divided into five sections and were aimed at energy engineers, experts in the field of heating, science, and research and, last but not least, auditors, operators and designers. A total of 32 valuable lectures were given at the conference on the topic of guaranteed energy services, energy efficiency in the application of alternative energy sources, legislation for energy managers and energy efficiency in industry and buildings in general.



The second day was held in the spirit of energy efficiency in industry and buildings. There were

lectures on implemented projects from practice with interesting solutions in terms of energy and visions for the future. In this section – Tomáš Funtík presented Digital tools for sustainable and energy efficient construction including promotion of the SEEtheSkills project and its novelty 3V approach.

visions for the future. In this section – Tomáš Funtík presented Digital tools for sustainable and energy efficient construction including promotion of the SEEtheSkills project and its novelty 3V approach.

He explained during the presentation that the goal of BIM is not the creation of the model itself, but using BIM is the only way to start a transition into digital era. Using the tools of 21st century allows to contribute to energy efficient European construction industry.

**Reported by Ing. Tomáš Funtík, PhD, Slovak University of Technology.**



## BIM summit

Buildings consume around 40% of the EU's energy and are thus the largest consumer of energy in Europe. They produce 36% of CO2 emissions in the EU. Almost 75% of the building stock is energy inefficient, with only 0.4 - 1.2% of the building stock being renovated every year. In order to make sustainable and energy-efficient construction or renewal of the existing housing stock, it is essential that greater use be made of digital tools. However, their use is still not widespread in practice.

What changes does the construction sector need in this area and what is the current state of use of Building Information Modeling (BIM)? These topics were discussed by representatives of the top management of major Slovak companies at an event called BIM Summit, organized by the Faculty of Civil Engineering, STU Bratislava (STUBA), and BIM Association Slovakia (BIMaS) on May 18, 2022, at the Radisson Blu Carlton Hotel Bratislava.

The following were introduced in the panel discussion:

- Peter Dovala, Director of development projects - YIT Slovakia
- Tomáš Funtík, Associate Professor - Faculty of Civil Engineering / Vice President of the BIM Association Slovakia
- Michal Halomi, Member of the Board of Directors - DPB
- Ján Majerský, General Director - PROMA / Vice President of the Association of Construction Entrepreneurs of Slovakia
- Martin Nedoba, Executive Director - GFI
- Michal Pasiar, Managing Director - ACREA / President of the BIM Association Slovakia
- Marián Pavlík, director of the area of calculations - Strabag
- Pavel Pelikán, Executive Director - J&T Real Estate

*"In my opinion, it is not enough for the goal to be just change. The change must first and foremost contribute to improving the current situation and, in the field of digitization, must clearly ensure the added value of technology, also from a trade point of view. We must not forget the impact of the implementation of these solutions at the corporate level",* says the president of BIMaS Ing. arch. Michal Pasiar, Ph.D.



According to the statistics of the BIM Association of Slovakia, the overall rate of use of BIM in Slovakia in 2021 is 20.5%. In building construction today, BIM actively uses up to 28% of the market at various levels of maturity. In comparison, in the field of civil engineering, it is only 8%. However, the forecast for the development of BIM implementation is promising. In the horizon of 5 years, almost 60% of respondents plan to use BIM in the performance of their activities, which we consider to be very ambitious. In any case, it will be necessary to address this topic, and, in our opinion, the state should take a proactive approach to support the framework guideline on the topic of information modeling of buildings and could thus contribute to supporting the development of digitalization of the construction industry.

Building Information Modeling is not only a key tool for digitizing construction and reducing the energy intensity of buildings but also a cornerstone of increasing energy-efficient construction or renovation. However, it is necessary to stimulate the market appropriately to create a demand for skills. These should not only be recognizable but be appropriately associated with quality and added value for the project. We expect that the need created will contribute to achieving not only the goals of the project itself but especially the goals set by the EU, to which Slovakia has also committed itself.

Conference outputs:

- We are one of the last countries where the implementation strategy is absent
- The government should start to take this issue seriously and set a mandate
- The market is ready, but it needs guidance and a guarantee of uniform standards

**Reported by Ing. Tomáš Funtík, PhD, Slovak University of Technology.**



## BIM summit Brasil

The BIM Summit Brasil is a Brazilian event that has its origin in the same molds of the European BIM Summit event. In its 1st edition, in 2022, it was held in virtual form, the event took place in Spain at the World Trade Center in the city of Barcelona

It is encompassed through the participation of Lihnida Stojanovska for the participation on the speech about How to get value to BIM skills. Case study: EU Program SEEtheSkills

Organizer of the event was BIM Academy, Offsite Hub Brasil Soluções & Inovações (OHB), Grupo AJ and Serviço Brasileiro de Apoio às Micro e Pequenas Empresas - Departamento Minas Gerais (SEBRAE-MG).

Reported by Sonia Marti, BIM Academy.



## About REBUILD

More than 1,400 impacts in the media, with an estimated audience of 49,674,512 people and an economic value of 1,971,994 euros is the result of the communication made by REBUILD. SEEtheSkills has been part of this success as the EU Programme had its part of success having a dedicated booth through its Spanish partner, BIM Academy.

REBUILD is the boutique innovation event to promote the transformation of construction and define, together with all the agents in the value chain, the roadmap for the future of the sector. All this, showing the most advanced technology, the most sustainable solutions and materials.

The communication has been developed before, during, and after the celebration of the event between April 26 and 28 in Madrid, which has had a total of 219 accredited journalists from 91 media.

During seven months, 1,479 impacts have been achieved in general, economic, regional, and specialized media in architecture, design, lifestyle, construction, or real estate, among others, including 21 interviews with the spokespersons of REBUILD (Gema Travería, Ignasi Pérez Arnal -member of BIM Academy and partner at SEEtheSkills, and David Martínez) and different partners. All this has been the result of the work of the consultancy and press office through contacts with the media for the positioning of the event and the knowledge by journalists of the celebration, theme, and participants in the fair.

The generation of new content and communicative angles was a greater challenge this year after the pandemic, however, it has been successful since the total coverage of the 2021 edition has been exceeded by 42%, and the advertising value by 48%, where SEEtheSkills was again presented.



At the own opening of the National Congress in Advanced Architecture and Construction 4.0, SEEtheSkills was named as one of the EU projects to take care of. And on the third day of the event, one specific session about the learning processes and the impact on the building sector was the place where BIM Academy insisted on the importance of giving value to the experience.

Reported by Ignasi Pérez Arnal, BIM Academy.



## SEEtheSkills side-by-side with the EU projects working toward sustainable construction

SEEtheSkills is active in promoting the results jointly with the sister projects in Construction skills.

In the frame of the 10th annual edition of Sustainable Places (SP2022), proven as Europe's #1 destination for EU research collaboration and market opportunities, that will be a hybrid event, from 6th September to 9th September 2022 with the in-person sessions hosted in Nice, France, the third edition of the workshop Sustainable Energy Skills in the Construction Sector Workshop 3.0 will be organized. This workshop is a continuation of two previous Sustainable Energy Skills in the Construction Sector Workshop at SP2020 and SP2021. The objective of this workshop is to share

expertise, lessons learned, and developed methodologies on energy efficiency skills competencies, and qualifications across the building design, operation, and maintenance value chain. Participating projects: INSTRUCT, BUSLeague, TRAIN4SUSTAIN, PRO Heritage, ARISE, SEEtheSkills and BusGoCircular.

Registration is available at the [following link](#).



This year, EUSEW European Sustainable Energy Week is announced as a hybrid event, on the theme of 'Going green and digital for Europe's energy transition', with speakers and participants in Brussels and online. Alongside joining the Policy Conference from 26 to 29 September, preceded by a dedicated extended programme from 19 to 23 September, attendees can also:

- follow the European Sustainable Energy Awards Ceremony
- join the third European Youth Energy Day (EYED)
- network with other clean energy stakeholders
- visit the stands at the hybrid Energy Fair showcasing innovative projects in sustainable energy
- attend Energy Talks about new ideas in clean energy (onsite attendance only).



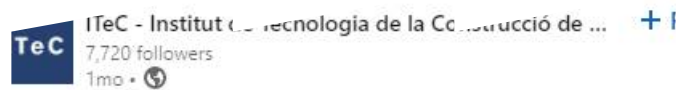
SEetheSkills will be a co-organizer of the session titled Leveraging digitalisation and construction skills towards 2030 energy goals organised ONLINE as a part of the EXTENDED PROGRAMME, on 21 September 2022, from 12:00-13:30. The registration is now open and available at the [registration link](#).

Reported by prof. Lihnida Stojanovska-Georgievska, Ss Cyril and Methodius University, Skopje.

## Communication actions

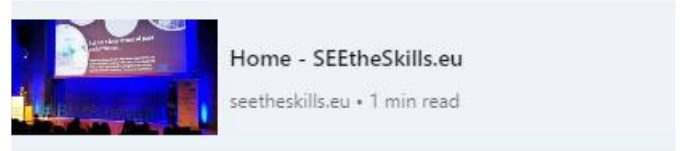
Our project consortium shares and disseminates project results to keep all project stakeholders informed and to promote the work we are doing to different stakeholders.

ITeC has produced two news items for the SeeTheSkills project. These were published on their website in [Spanish](#), [Catalan](#) and one also in [English](#).



Descubre todos los detalles de [SeetheSkills](#), el proyecto que hará posible el [#construcción](#) de nuevos edificios eficientemente energéticos y la [rehabilitación](#) de los ya existentes

see translation



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On their social networks ([Twitter](#), [Facebook](#) and [LinkedIn](#)) they continuously spread the word about the project in general and also other, more specific activities such as surveys.

Reported by Vanessa Soteldo González, ITeC - The Catalonia Institute of Construction Technology.



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SEetheSkills - EU Project



<https://seetheskills.eu>



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