

WP6 Trials and Testing



Digital Skills to Reduce the Energy Footprint in the Built Environment
Dr. Sheryl Lynch and Ms. Mallika Singh, Future Analytics Consulting



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 785155





Panel:

- **Gordon Sutherland - *Head of Sector EASME***
- **Ms Maja-Marija Nahod - *Deputy Minister for Construction and Energy Efficiency***
- **Souheil Soubra - *Chair of EU BIM task group***
- **Paul Surin, *Associate Partner IBM GBS UKI Centre of Competence***
- **Vlatko Ivanov, *CEO Civil Engineering Institute, Macedonia***
- **Dr James Harty, *Copenhagen School of Design and Technology***
- **Cillian Kelly, *Construction Industry Federation***

What's Next
for BIM in
Construction?

Panel Discussion



BIMcert Training Platform



COURSELIST

TRAINEE

TRAINER

ABOUT

EXPLORE

BIMCERT PROJECT

CONTACT US

REGISTER

BIMCERT
CONSTRUCTION SKILLS
TACKLING CLIMATE CHANGE

BUILDING INFORMATION MODELLING

Building Information Modelling as a modern digital technology supporting sustainability targets of construction sector, has become a key requirement in the built environment, where all relevant information is created and managed through the lifecycle of a construction project. BIMcert assumes BIM as strategic for the future of construction.

TRAINEE + **TRAINER** +

<https://energybimcert.eu>

BIMCert ©-Construction skills - Energy efficiency - Regulating supply chain - Tackling climate change

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BIMcert Training Platform

- Home
- Dashboard
- Calendar
- Private files
- My courses
 - Training 4 Trainees
 - Overview of climate change and EU Policy
 - Key terms of energy use in building
 - Energy system thinking key principles
 - Intro to BIM tools for Low Energy Building Construction
 - Benefits- BIM & Digitalisation- Sustainability & Energy efficiency
 - BIM & Digitalisation Benefits-Generic Overview
 - BIM Implementation- Impacts in project

DASHBOARD AVAILABLE COURSES



SOON

Energy usage and wastage in construction and operation of buildings

COMING SOON

Under Construction

XP 0 ★ 0 🏆 0



LEARN MORE



SOON

Building Fabric & Energy

Micro training to show how a building's fabric can generate or save high levels of energy output and the impact of different materials on energy performance.

XP 0 ★ 0 🏆 0



LEARN MORE



SOON

Heating & ventilation systems vs Energy Consumption

Training showing how building's heating & ventilation system can either consume or save high levels of energy.

XP 0 ★ 0 🏆 0



LEARN MORE

<https://energybimcert.eu>

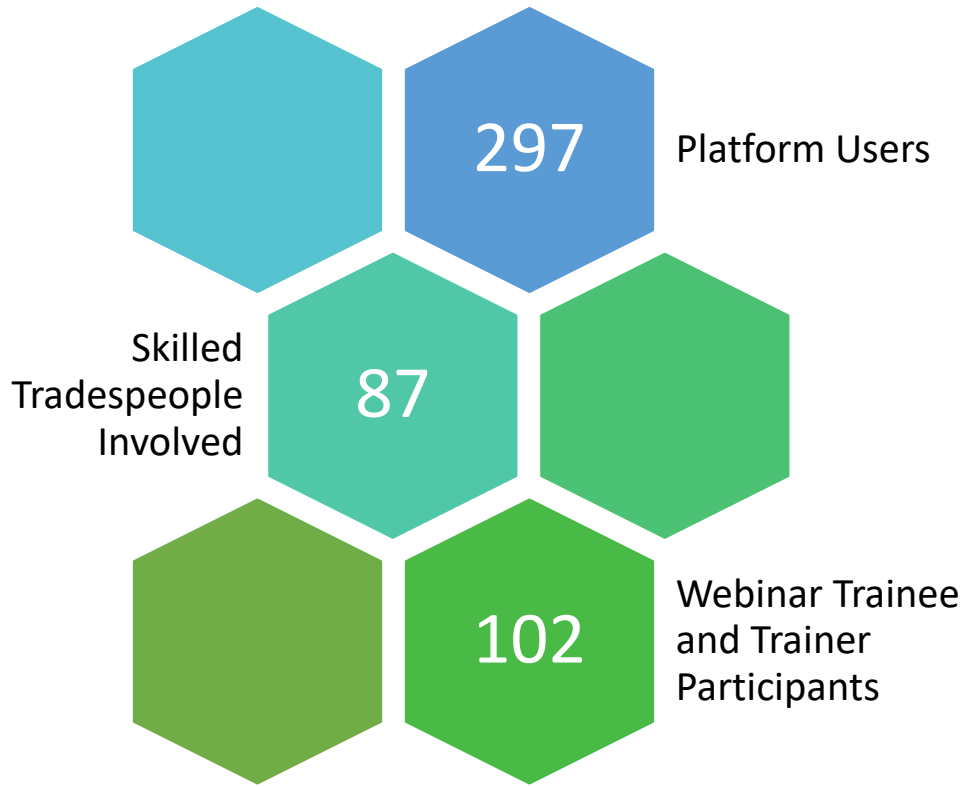
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Metrics



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Will the BIMcert training experience, knowledge and skills acquired be useful in your work/professional role?

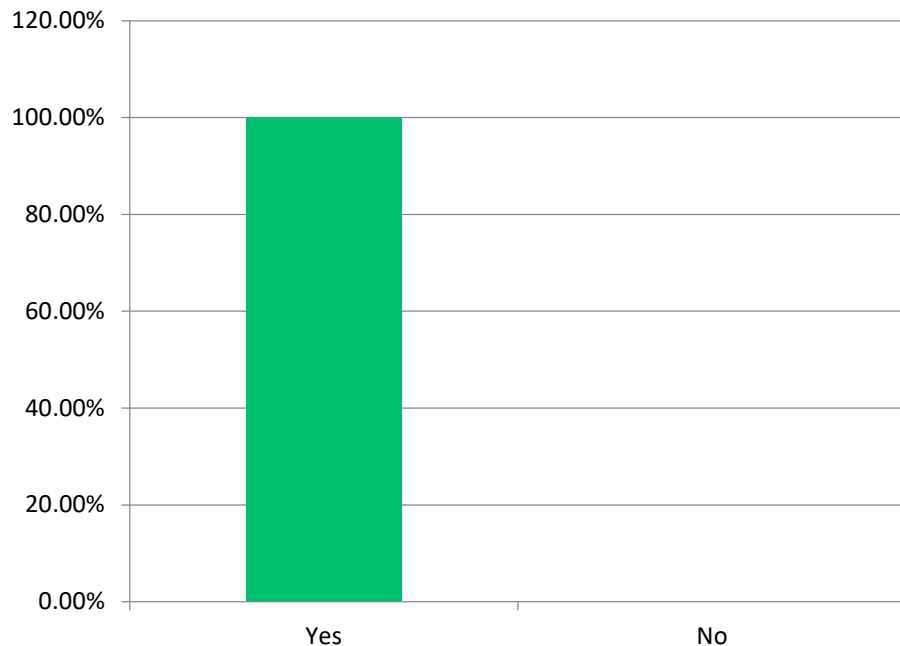


Figure: Survey Monkey response to Q.44

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Would you recommend this training to other members of your company/institution and collaborators?

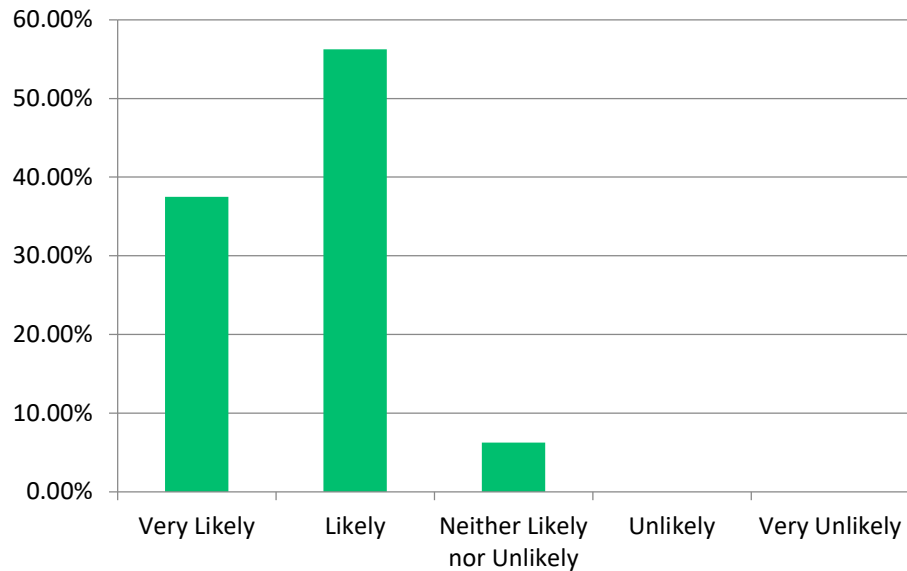


Figure: Survey Monkey response to Q.44

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Key Findings

How likely are you to use the BIMcert tools that were presented at the webinar in the future?

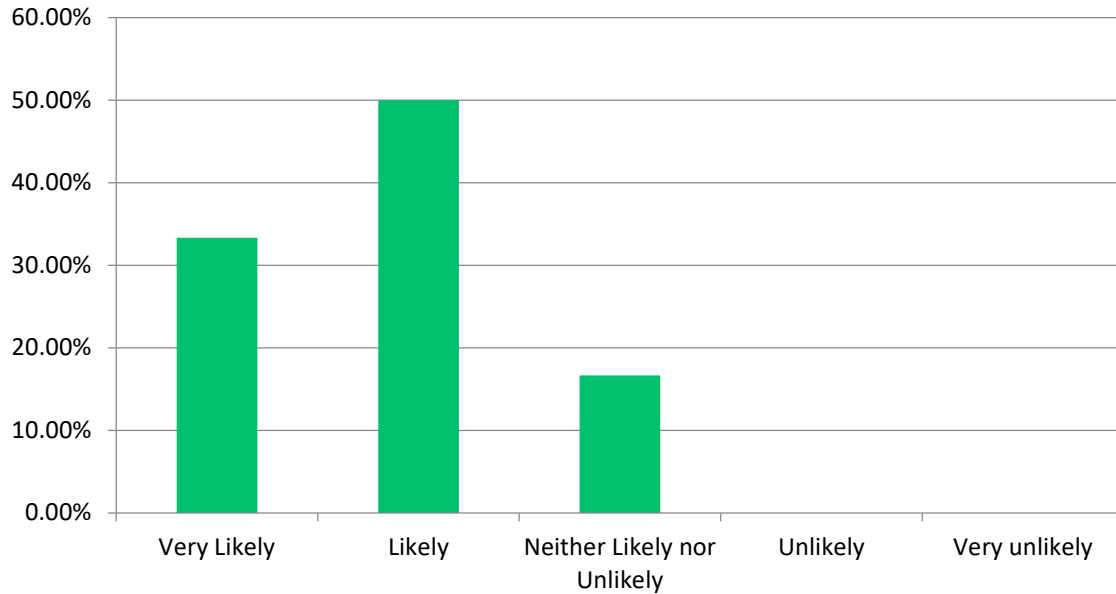


Figure: Survey Monkey response to Q.48



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Did the BIMcert training modules you had selected enhance your understanding on how these skills can improve energy efficiency of building and sustainable construction processes? (Specifically of the building renovation and new construction)

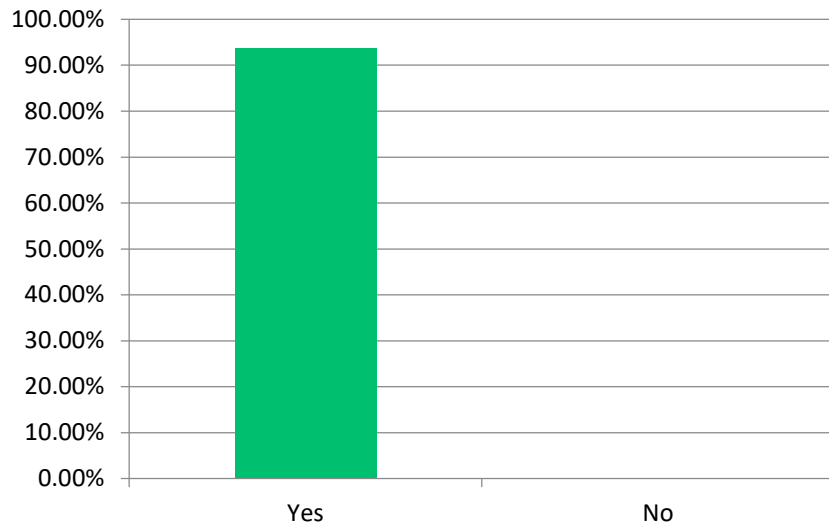
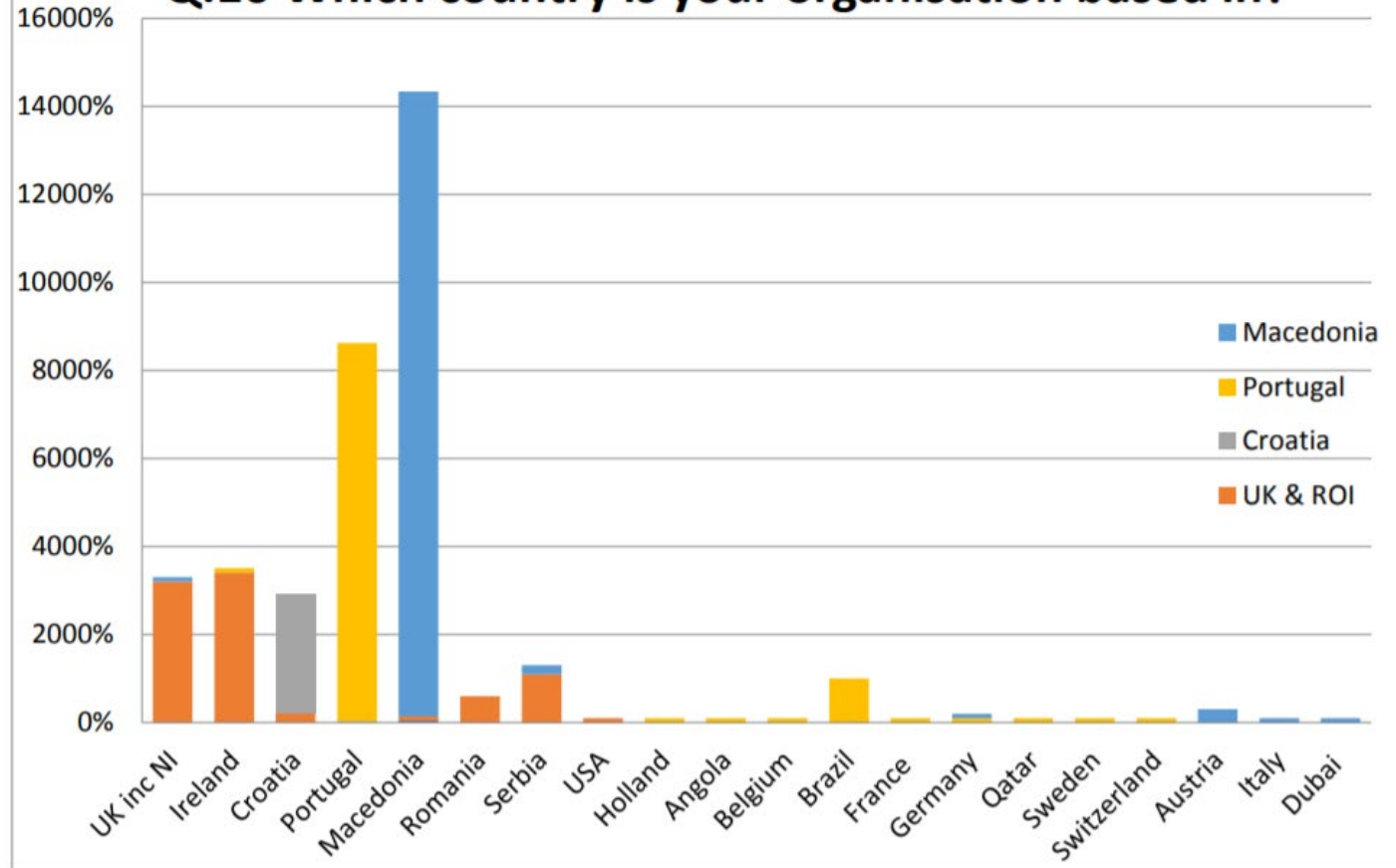


Figure: Survey Monkey response to Q.46

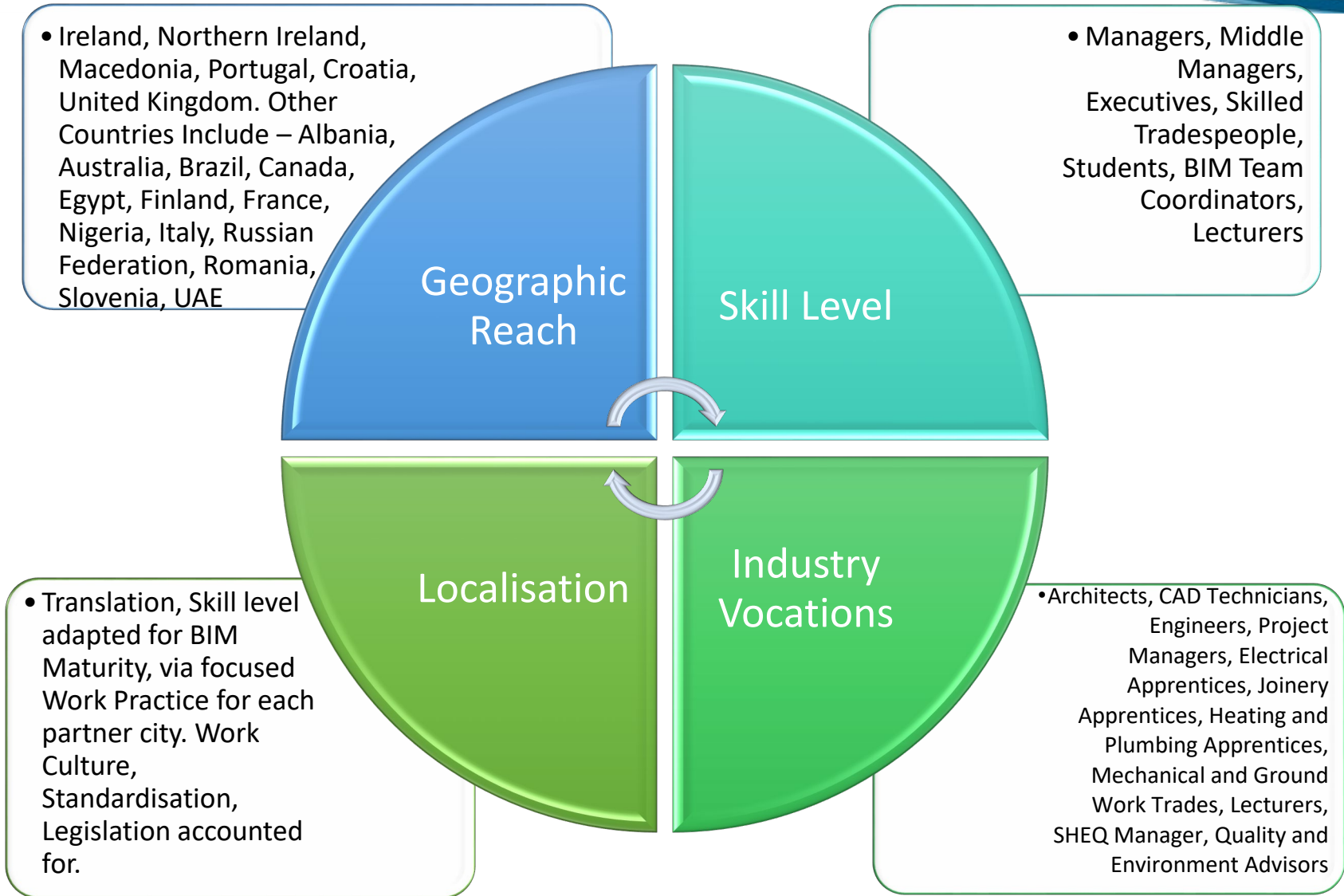


Q.16 Which country is your organisation based in?



Autumn 2018 Workshop Attendees	Spring 2019 Workshop Attendees	Autumn 2019 Session Attendees	End User Engagement Increase	% participation Increase
79	140	186 (297 platform registrations)	36	135

Reach





Recommendations for Effectiveness

- 1 Incentivise Energy Efficiency –**
e.g. Energy Criteria for Pre-Qualification Awards (Norway);
- 2 Utilise BIMcert i.e. adopt BIMcert Concept and Methodology -**
e.g. Bite-Sized Micro-Accreditations for Professionals to upskill in BIM
- 3 Standardise BIM Curriculum i.e. introduce a Pan-European BIM Passport -**
e.g. Guideline CPD vocational mobility
- 4 Mandate BIM locally**
e.g. Localise (timescale and criteria differs for ROI and Macedonia) via National Action Plans and Legislate for State Buy in/public procurement accordingly (UK Mandate) European BIM Task group and Standardisation
- 5. Facilitate BIM Upskilling**
e.g. Dual benefit of skills transferability Digital Skills Transformation and BIM Upskilling





Q&A
Have
questions?
Ask.

