CERIS | Civil Engineering Research and Innovation for Sustainability

ARISE – Inspiring Demand for Sustainable Energy Skills, by Providing Clear Learning Interactions, Transparency of Upskilling Transactions and Recognition of Qualifications Achieved

Summary

ARISE is developing a EU wide distinguishable recognition scheme of digital energy efficient BIM construction skills linked with a maturity-based digital ranking system for accounting CPD based learning transactions. The open competency based qualification scheme based on maturity levels that empower micro-learning will be the basis for making learning transactions count. The project team will be gathering and linking BIM modules, tools and materials with the aim to establish a BIM resource and skills recognition pathway that all stakeholders can utilise, deliver and stimulate. This will provide BIM Energy performance alliance (BIM-EP) partners and other stakeholders with an eLearning materials repository to contribute to, whilst also developing a CPD recognition pathway for the whole supply chain to access and utilise.

ARISE will revolutionise the learning process by developing a crypto-skills exchange, monetizing the skills and learning interface with a system based on skills recognition rather than accreditation. The reward of acquiring a competence at a certain level will be CERTcoin the innovative currency of skills and learning of the construction sector embracing today's digital transformation benefits. This reward based on skills and time credits will be stored in an Individual learning Account and can be used as digital points accumulation in a skills barometer or for exchanging it into valid micro certificates. This will be an industry driven, easier accessible, less time consuming, highly competitive way to up-skill blue and white collars and increase vocational mobility.

ARISE will complement and integrate with other existing projects, instruments and initiatives to deliver increased levels of sustainable energy skills across the entire supply chain of the construction sector. ARISE will collaborate with other key actors and target groups to improve synergies and drive workforce demand for diversification in skills recognition and certification.

Project Reference

Grant agreement ID: 101033864

Leading Institution

Belfast Met – Belfast Metropolitan College (United Kingdom)

Partners

Ace-cae.eu – Architects' Council of Europe (Belgium), Building Changes Support BV (Netherland), TU Dublin – Technological University Dublin (Ireland), IBIMI – Institute for BIM (Italy), IECE – Institute for Research in Environment, Civil Engineering and Energy (Macedonia), ISSO (Netherland), KEA – Copenhagen School of Design and Technology (Denmark), IST – Instituto Superior Técnico (Portugal)

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Project Website

www.ariseproject.eu