



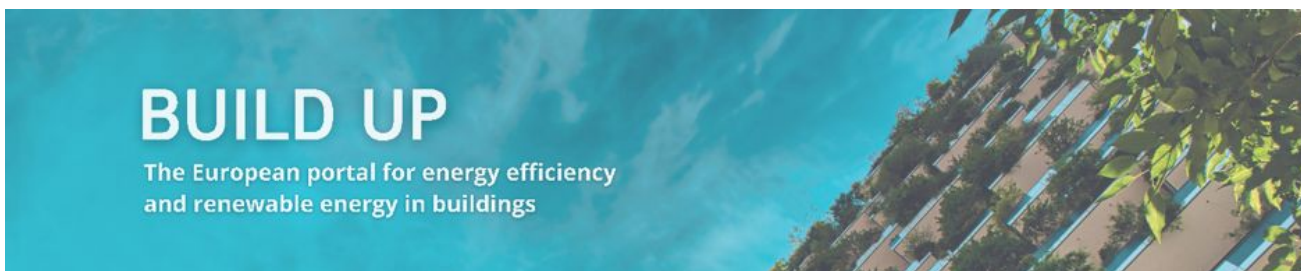
# BUILD UP

The European portal for energy efficiency  
and renewable energy in buildings

# WEBINAR



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## ARISE e-learning platform on BIM and applied energy efficiency tools

A webinar for trainees

17th January 2024  
11:00 - 12:00 (CET)



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101033864

# Agenda 1/2



11:00 Presentation of BUILD UP, Introduction to webinar topic and agenda

*BUILD UP team member*

11:05 Audience interaction with Sli.do

*Larissa De Rosso, ARISE partner and Project Officer at the Architects' Council of Europe (ACE)*

11:10 Digitalization to the Built environment – ARISE approach.

*Andrew Hamilton, ARISE partner and Curriculum Area Manager Construction & The Built Environment Belfast Metropolitan College*



## Agenda 2/2



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11:20 How does ARISE e-learning platform work? Which content is available on the platform?

*Ryan Dempsey, ARISE partner and Researcher at TUDublin*

11:35 ARISE offers

*Anna Moreno, ARISE partner and Responsible for the international affairs BuildingSmart Italy - IBIMI*

11:50 Questions and Answers with Sli.do

*Larissa De Rosso, ARISE partner and Project Officer at the Architects' Council of Europe (ACE)*

11:58 Thank you from BUILD UP



*BUILD UP team member*



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# Audience interaction with Sli.do

*Larissa De Rosso*

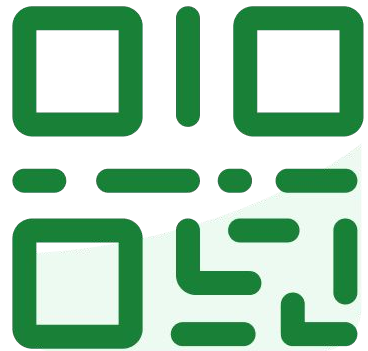
*ARISE partner and Project Officer at the Architects' Council of Europe (ACE)*



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Join at [slido.com](https://slido.com)  
#ARISEtrainees



① Click **Present with Slido** or install our [Chrome extension](#) to display joining instructions for participants while presenting.

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# Where are you now?



① Click **Present with Slido** or install our [Chrome extension](#) to activate this poll while presenting.

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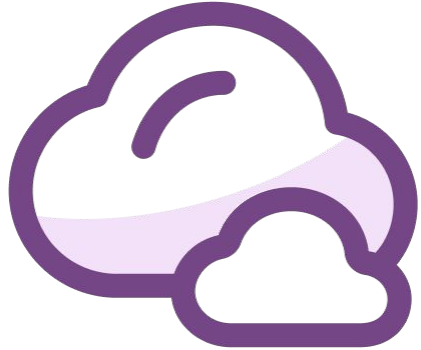
**Please indicate the type of your organisation(s) - max 2**



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# How did you find out about this webinar?



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# Digitalization to the Built environment - ARISE approach.

*Andrew Hamilton*

*ARISE partner and Curriculum Area Manager Construction & The Built Environment Belfast Metropolitan College*



# Awareness

Raising the awareness of the potential in delivery and content to both the SMEs and individuals

*What shape is digital transformation in the built environment?*

*Labour shortages and how to address them.*



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...with support



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**Bite size micro modules- enables a stepped, assisted progression, with achievable goalposts.**

# Transformation



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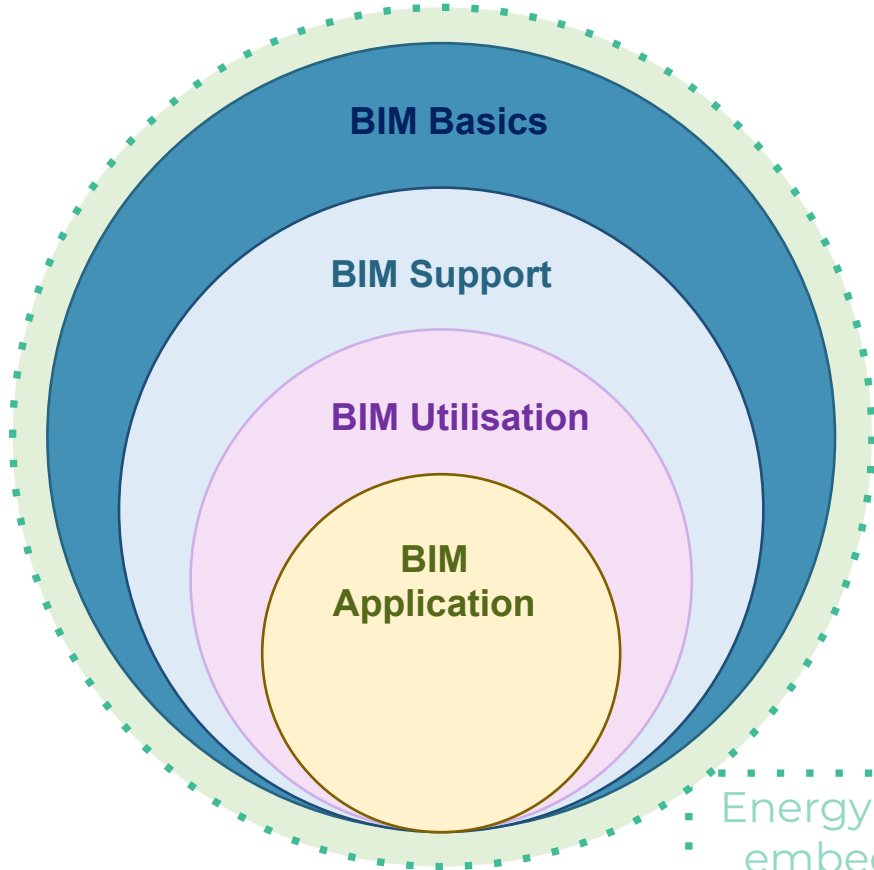
Mapping out and enabling the pathway to transformation

*What does the future interface of training and upskilling in the construction sector look like?*

*How can we deliver effective task and impact-based learning in the construction sector?*



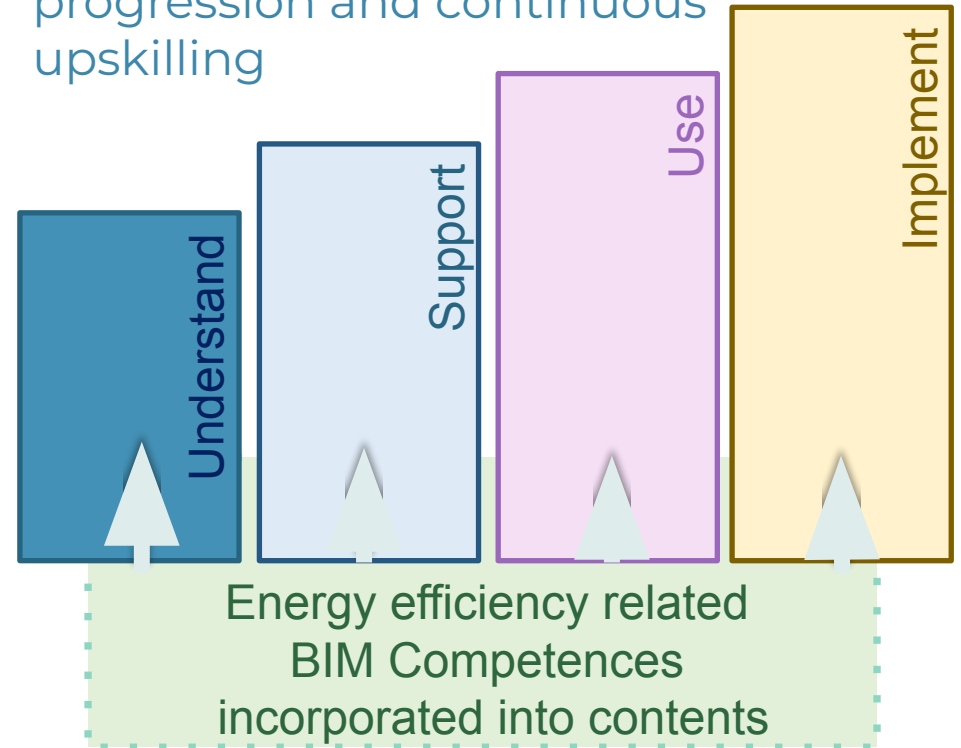
# Content- Framework- Groups



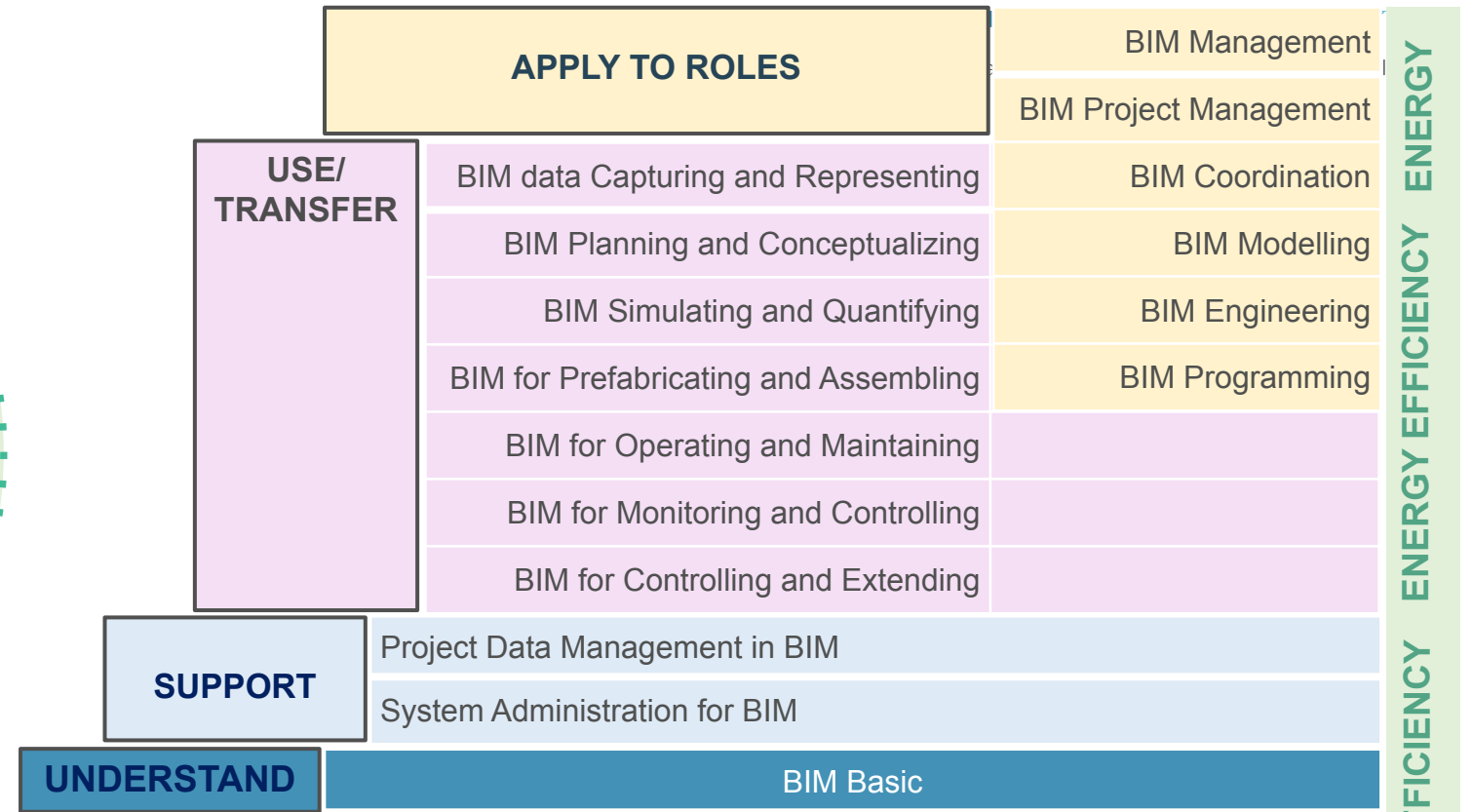
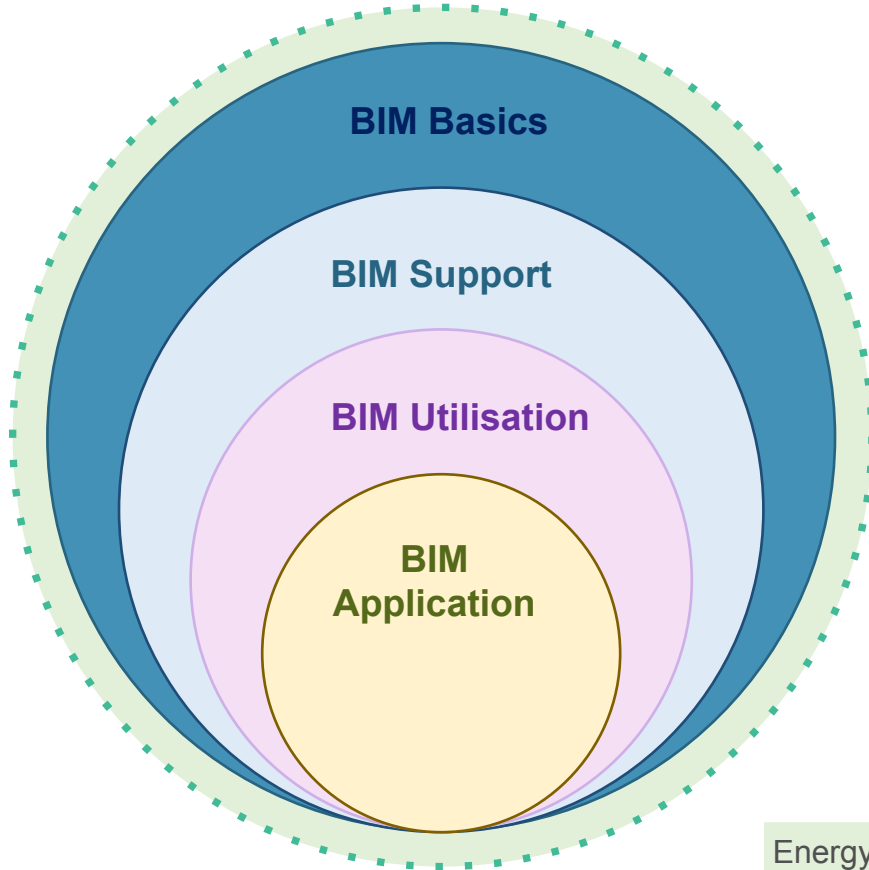
Energy Efficiency competence embedded into the contents of each area/ group



Enables for a “ground –up” stepped progression and continuous upskilling



# Content- Framework- Specialisms



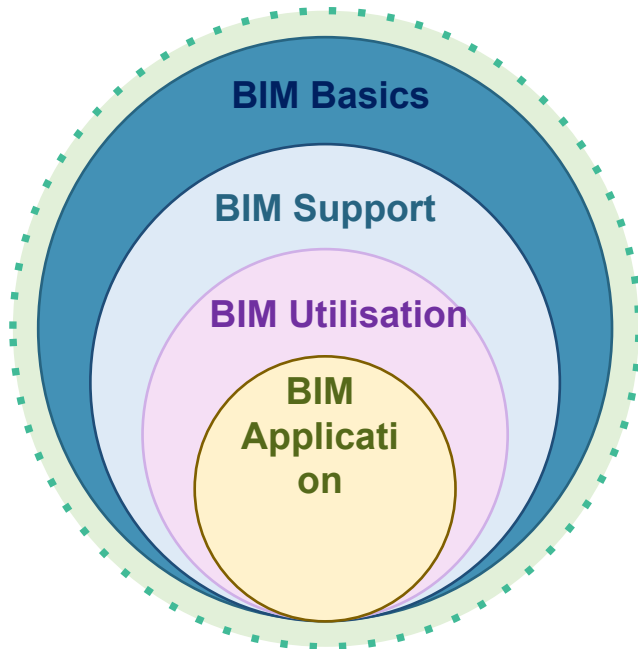
Energy Efficiency with BIM Basics **ENERGY EFFICIENCY ENERGY EFFICIENCY ENERGY EFFICIENCY**

Energy Efficiency with BIM Utilisation **EFFICIENCY ENERGY EFFICIENCY ENERGY EFFICIENCY**

Energy Efficiency with BIM Application **EFFICIENCY ENERGY EFFICIENCY ENERGY EFFICIENCY**



# Content- Framework- Specialisms



BIM Basic	BB-1
Project Data Management in BIM	BS-1
System Administration for BIM	BS-2
BIM data Capturing and Representing	BU-1
BIM Planning and Conceptualizing	BU-2
BIM Simulating and Quantifying	BU-3
BIM for Prefabricating and Assembling	BU-4
BIM for Operating and Maintaining	BU-5
BIM for Monitoring and Controlling	BU-6
BIM for Controlling and Extending	BU-7
BIM Management	BA-1
BIM Project Management	BA-2
BIM Coordination	BA-3
BIM Modelling	BA-4
BIM Engineering	BA-5
BIM Programming	BA-6

Energy Efficiency with BIM Basics	BE-0
Energy Efficiency with BIM Utilisation	BE-1
Energy Efficiency with BIM Application	BE-2

Organically embedded within the 3 categories:

- BIM basics
- BIM Utilisation
- BIM Application

But specialism can be undertaken separately,

in case previous specialism are already mastered, or partially not required for the learner's professional role and activity





# Implementation

Developing the digital interface and tools necessary to implement the digitalisation journey

*When should the built environment start the digital transformation process?*

*Understanding and achieving the sustainable benefits deriving from digitalisation*

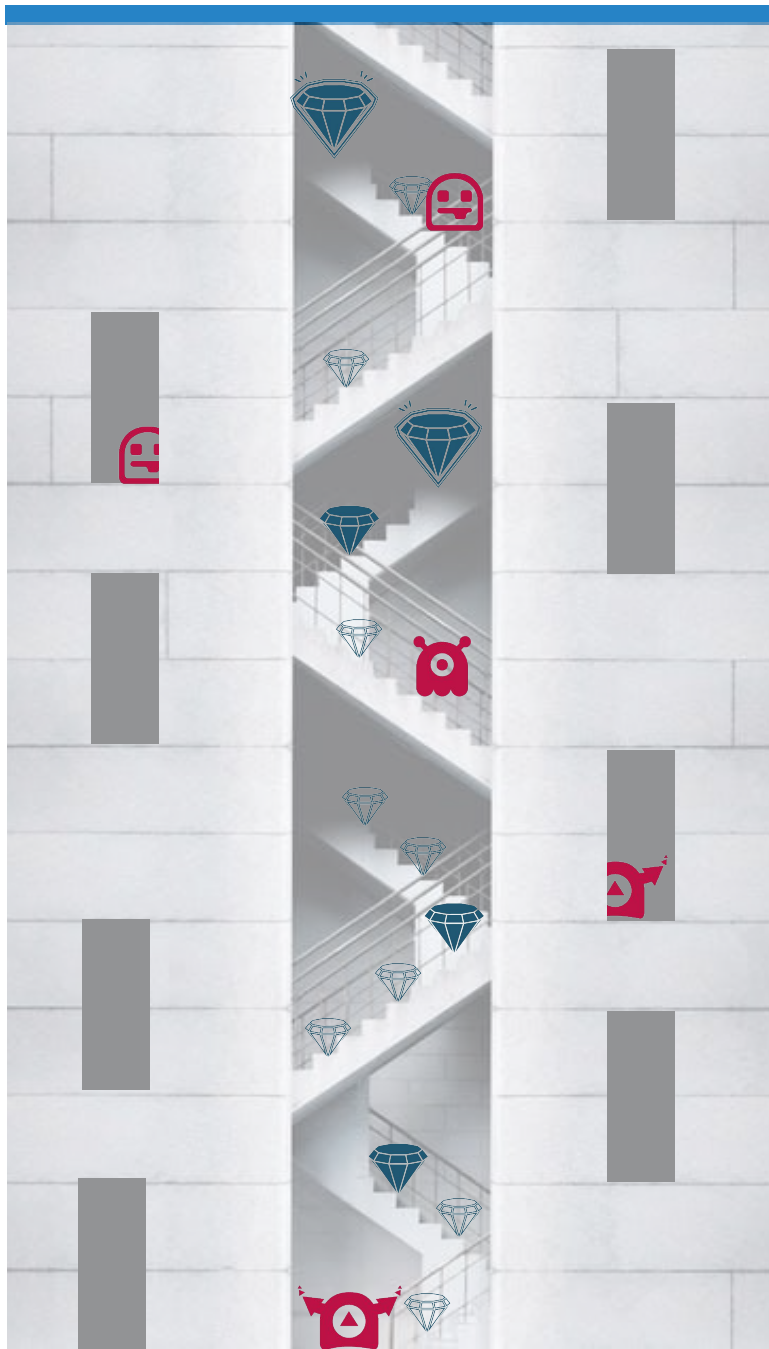


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# Your journey

Several bespoke  
“Entry points”  
To cater different levels of  
prior knowledge and/or  
subjects of interest



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Personalise the individual  
training Pathway  
to better match specific  
needs and requirements of  
each EAC professional, at a  
particular moment of their  
career



# Content- Framework- Task based



**Specialism**

**Tasks**

BA-3	BIM Coordination	BA-3.1	Contribute on BIM Execution Plan	BA-3.1.1	Perform quality checks on the contract	21,21a,21b,	AR, PM, BO,		
				BA-3.1.2	Compile (federated) building model, based on aspect or discipline models	22,22a,23b,	AR, PM,		
				BA-3.2	Organise checking of models,	81,	AR, PM, BO, FO		
		BA-3.2				BA-3.2.1	Organise clash control sessions	82,	AR, PM, BO, FO
						BA-3.2.2	Check (federated) building model, based on	23b,	AR, PM, BO, FO
						BA-3.2.3	Manage clash control distribution and follow-up	83,	AR, PM, BO, FO
						BA-3.3	Manage BIM coordination process	84,	AR, PM,
		BA-3.3				BA-3.3.1	Propose changes and check execution of	85,	AR, PM,
						BA-3.3.2	Direct project team members on data and	86,	AR, PM,
						BA-3.3.3	Make use of appropriate tools	25,	AR, PM,
						BA-3.3.4	Signal risks and bottlenecks	75,	AR, PM,
		BA-3.4	Energy Efficiency for BIM			BA-3.4.1	Organise checking on EE specific topics	88,	AR,
						BA-3.4.2	Manage BEM coordination process	27,	AR,
						BA-4	BIM Modelling	BA-4.1	Create (aspect) building model

**Sub-tasks**

**ULO**

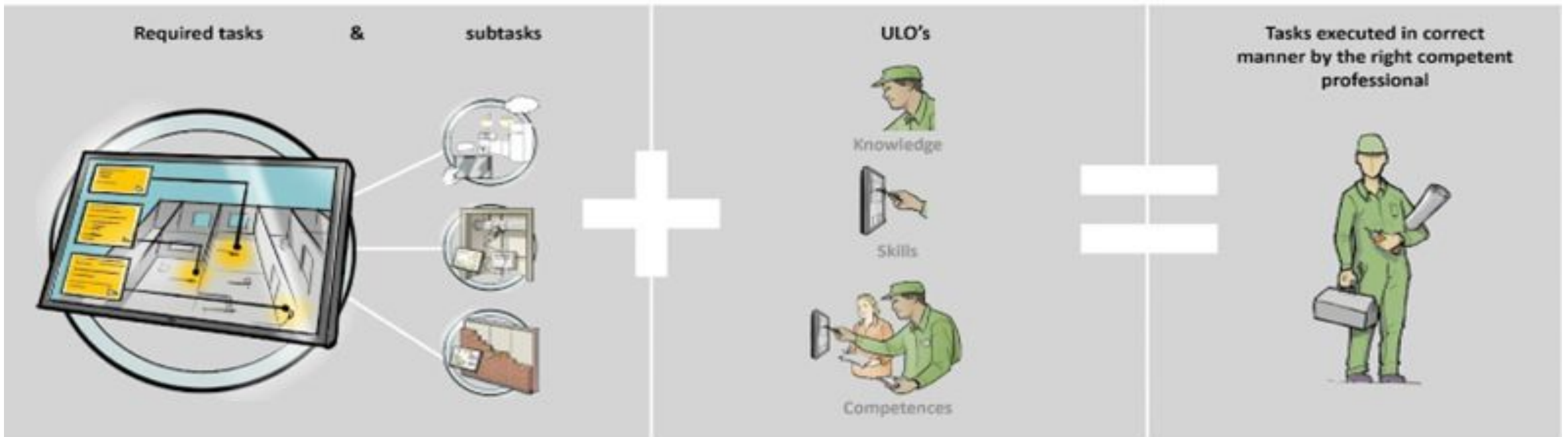
**Associated professions**



# Content- Framework- Task based



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**Competence + Skills + Knowledge = Unit Learning Outcome (ULO)**



# Progression & Gamification



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Gain XPs and stair and raise you profile



Choose your own learning pathway

Complete modules and earn digital certifications





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# How does ARISE e-learning platform work? Which content is available in the platform?

*Ryan Dempsey  
ARISE partner and Researcher at TU Dublin*



# The Arise Platform- access



COURSELIST

TRAINEE

TRAINER

COURSELIST

TRAINEE

TRAINER

ABOUT EXPLORE ARISE PROJECT CONTACT US



THE NEW SYSTEM OF  
TRAINING AND  
RECOGNITION OF SKILLS

ARISE's global goal is to revolutionize the learning process by changing both delivery and recognition of sustainable energy skills in the construction sector.

The new system of training and recognition of skills will be valid across the EU, thus increasing the spread of skilled workforce in the building market.



TRAINEE



TRAINER

RELEVANT - INNOVATIVE - SCALABLE - SECURE



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<https://ariseplatform.eu>

# The Arise Platform- Register/Create account



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COURSELIST

TRAINEE

TRAINER

COURSELIST

TRAINEE

TRAINER

ABOUT EXPLORE

## LOG IN TRAINEE

Log in to access Arise training courses and modules. Get ready to push your learning path towards BIM excellence and actively engage an extensive BIM certification process.

[Lost password?](#)

LOG IN

[Create new account](#)

## TRAINING PLATFORM FOR THE DIGITAL CONSTRUCTION

Arise platform was created to answer to several challenges that are the result of a very dynamic and competitive economic environment that requires companies to readily and continuously adapt to stay abreast of competition and so, the workforce needs to acquire an increasing amount and variety of skills, in a shorter time span.



<https://ariseplatform.eu/>



# The Arise Platform- Register/Create profile

TRAINEE | TRAINER

## REGISTER TRAINEE

PLEASE FILL ALL THE FOLLOWING FIELDS

Username

Password

Email address

Email (again)

First name

Last name

Select a country

Company

What is your gender?

Please provide your phone number

What country do you work in?

What is the name of your company?

What is your job title/role?

What are your training qualifications?

What is your field of study?

How many trainees do you train per year?

What type of construction business does your company work in?

What is the size of your organisation?



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<https://ariseplatform.eu><sup>2b</sup>



# The Arise Platform- Selecting training



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## COURSE LIST | MODULES

The screenshot shows a grid of course cards. A callout box highlights the 'MODULES' and 'TRAINING PLANS' tabs. The cards include:

- BIM TERMS & DEFINITIONS - INTRO**: Implementing BIM? Then, knowledge of some essential key terms is essential! Get past the jargon and learn some of the basic important terms to allow progress in your BIM journey. XP: 34, Stars: 24, Badges: 1.
- BIM DIMENSIONS - INTRO**: What are BIM Dimensions? You probably already heard about BIM levels or stages, but what about these Dimensions? Learn how many are there; what do they mean and how they apply into your role and.
- OVERVIEW OF BIM BENEFITS - INTRO**: 4.0 revolution-digitalisation is changing the AEC industry's workflows, methods, processes and tools. BIM is often in the center of this. What benefits adopting BIM brings to the industry and its.
- BIM TOOLS FOR ENERGY EFFICIENCY - INTRO**: Learners will know and be able to: Illustrate how BIM can be utilised to reduce energy loss. XP: 49, Stars: 39, Badges: 1.
- DEVISE BIM STRATEGY**: COMING SOON. Learners will be able to: Understand how to devise BIM Strategies, including key terms and definitions. XP: 0, Stars: 0, Badges: 0.
- MANAGE ORGANISATIONAL BIM**: COMING SOON. Learners will be able to: Understand how to manage organisational BIM guidelines, including key terms and definitions such as Organizational Information Requirements (OIR).
- SECURE ACQUIRED BIM-KNOWLEDGE**: COMING SOON. Learners will be able to: Understand how to secure acquired BIM Knowledge, including key terms and definitions.
- DEVELOP PROJECT STRATEGIES FOR DIFFERENT GROUPS**: COMING SOON. Learners will be able to: Develop Project Strategies for Different Groups, including key terms and definitions.
- DIGITISATION TRAINING - BIM ENABLING TOOLS FOR ENERGY EFFICIENCY**: COMING SOON.
- COLLABORATIVE BIM TO ACHIEVE NZEB**: The following learning unit aims to give all the tools and knowledge necessary to all project team members for BIM workflow generation and application. For this purpose, the roles and
- NZEB REALIZATION AND COMMISSIONING**: The following learning unit is aimed at identifying the principles that affect an element to be suitable in an NZEB building design and at the application of BIM objects suitable for their correct use within the BIM
- NEAR ZERO ENERGY BUILDING FACILITY**: The following Learning Unit introduces you to Digital Facility Management, providing you with knowledge to improve efficiency during facility management. Preventing and anticipating future

This view shows a filtered list of training plans under the 'TRAINING PLANS' tab. The cards include:

- BIM BASICS**: The micro training plan enables learners to develop a fundamental understanding of Building Information Modelling (BIM) and associated workflows. XP: 30, Stars: 0, Badges: 0.
- IMPLEMENTING A BIM STRATEGY**: COMING SOON. Introductory micro training plan providing basic understanding of how to successfully implement a BIM strategy. XP: 0, Stars: 0, Badges: 0.
- BIM AND ENERGY EFFICIENCY**: Introductory micro training plan providing basic understanding of Sustainable and Energy Efficient Design & Construction principles and on using BIM tools to help achieve it. \*Enrolment opening soon\*. XP: 10, Stars: 0, Badges: 0.



<https://ariseplatform.eu><sup>2</sup>

# The Arise Platform- Selecting training

## COURSE LIST | MODULES

MODULES TRAINING PLANS SORT BY DATE SORT BY NAME Search here

Course Title	Duration	XP	Star	Flag
BIM TERMS & DEFINITIONS - INTRO	30	34	24	1
BIM DIMENSIONS - INTRO	20	40	30	1
OVERVIEW OF BIM BENEFITS - INTRO	30	46	36	1
BIM TOOLS FOR ENERGY EFFICIENCY - INTRO	45	49	39	1
DEVISE BIM STRATEGY	0	0	0	0
MANAGE ORGANISATIONAL BIM-GUIDELINES	0	0	0	0



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MODULES TRAINING PLANS SORT BY DATE SORT BY NAME Search here



<https://ariseplatform.eu/>



# Bite size approach- Modules and Plans



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A screenshot of a web interface titled 'COURSE LIST | MODULES'. It features a navigation bar with 'MODULES' and 'TRAINING PLANS' tabs. Below the navigation, there are five course cards. The first card, 'BIM DIMENSIONS - INTRO', is circled in blue. A blue arrow points from this circle to the right-hand screenshot. Each card displays a title, a brief description, and a set of three icons: XP, a star, and a checkmark, with numerical values below them.

Course Title	XP	Star	Checkmark
BIM DIMENSIONS - INTRO	40	30	1
OVERVIEW OF BIM BENEFITS - INTRO	46	36	1
BIM TOOLS FOR ENERGY EFFICIENCY - INTRO	49	39	1
DEVISE BIM STRATEGY	0	0	0
ORGANISATION	0		

A screenshot of a web interface titled 'COURSE LIST | TRAINING PLANS'. It features a navigation bar with 'MODULES' and 'TRAINING PLANS' tabs. Below the navigation, there are two course cards. The first card, 'BIM BASICS', is highlighted with a blue border. A blue arrow points from the 'BIM DIMENSIONS - INTRO' card in the left screenshot to this card. The second card is 'IMPLEMENT BIM STRATEGY'. Below the course cards, there is a 'Module list:' section with three numbered items: 1. BIM Dimensions - Intro, 2. Overview of BIM Benefits - Intro, and 3. BIM Terms & Definitions - Intro. Each item has a brief description.

**Module list:**

- 1 BIM Dimensions - Intro**  
What are BIM Dimensions? You probably already heard about BIM levels, Dimensions? Learn how many are there; what do they mean and how they apply in we will cover them all.
- 2 Overview of BIM Benefits - Intro**  
4.0 revolution-digitalisation is changing the AEC industry's workflows, m the center of this. What benefits adopting BIM brings to the industry and its profes AEC professionals are used to work? This is a quick overview of benefits of BIM (any
- 3 BIM Terms & Definitions - Intro**  
Implementing BIM? Then, knowledge of some essential key terms is ess of the basic important terms to allow progress in your BIM journey.

Taking on several **Micro Modules can lead to** more “defined”, complex and complete training pathways ( units, courses, Diplomas) – **the Training Plans**



# Bite size approach- Modules and Plans



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**1**  
**20**

**OBJECTIVE**

Learning objectives of this plan are:

1. Understand the context and essentials of BIM.
2. Understand the application and standards of BIM.
3. Understand the technological requirements for BIM implementation and security.

**ENROLL ON TRAINING PLAN**

Learn the essential Building Information Modelling (BIM) Fundamentals

This training plan will consist of a set of several micro-sized standalone ARISE training modules, put together to form a larger and concise training plan that will enable learners to develop the fundamental understanding of BIM and associated workflows.

The fundamentals of BIM micro training plan is part of a wider learning pathway, when associated with other training plans and/ or stand-alone training, leading towards more complex macro training plans and ARISE certifications.

This micro training plan covers 3 main learning outcomes/ objectives, which will be subdivided and addressed in parts, via the micro sized modules of training:

1. Understand the context and essentials of BIM, which will include: key terms and definitions within BIM; BIM maturity levels; impact of BIM Stage 2 for project delivery; and benefits of BIM to the AEC industry.
2. Understand the application and standards of BIM, which will include: Summary of applicable standards and industry guidance of BIM; understanding Exchange Information Requirements (EIRs), BIM Execution Plan (BEP) and Project Implementation Plan (PIP); file and layer naming conventions.
3. Understand the technological requirements for BIM implementation and security, which will include: Summary of key technology requirements to enable BIM implementation; use of common data environment; summary of security-minded BIM, including key terms and definitions.

For further details and to find out how this micro training plan leads towards more complex macro training plans, please see further documentation.

**Modules Included:**

**BIM Dimensions - Intro**

What are BIM Dimensions? You probably already heard about BIM levels or stages, but what about these Dimensions? Learn how many are there; what do they mean and how they apply into your role and workflow. From 2D to 7D, we will cover them all.

XP 40   ★ 30   🌐 1

★

**Overview of BIM Benefits - Intro**

4D resolution-digitalisation is changing the AEC industry's workflow, methods, processes and tools. BIM is often in the center of this. What benefits adopting BIM brings to the industry and its professionals? Why? How it improves the way AEC professionals are used to work? This is a quick overview of benefits of BIM (and digitalisation) implementation.

XP 46   ★ 36   🌐 1

★

**BIM Terms & Definitions - Intro**

Implementing BIM? Then, knowledge of some essential key terms is essential. Get past the jargon and learn some of the basic important terms to allow progress in your BIM journey.

XP 34   ★ 24   🌐 1

★

Several training plan share some common modules  
Once a module is completed- either individually as stand alone, or as part of a training plan,

Its becomes “bankable”

Able to be recognised and “re-usable” for other training plans when time suits.



# The Arise Platform- Learning tools



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ARISE platform allow deployment of different tools and teaching methods to cater for different learning styles



Promoting better learning experiences



# The Arise Platform



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BIM Terminology / Basic BIM Terms & Definitions-Shortbook

**Basic BIM Terms & Definitions-Shortbook**

Book Settings Import chapter More ▾

✓ Done: View

A short guidebook to some of the basic and most common terms related to BIM, that all BIM users should be aware of.

Next

## 1. Introduction - What is BIM?

Building Information Modelling (BIM) has become an established workflow for the Architecture Engineering and Construction (AEC) sector around the world. Within Europe several Governments have embraced the use of BIM and highlight its use as core to challenging existing industry business model and practices, driving greater collaboration, efficiency, innovation and value across the sector.

- BIM is seen as key to helping the construction industry:
- Boost delivery and operational efficiency
- Reduce cost and improve value
- Lower the carbon footprint
- Improve collaboration across the supply chain Improve quality of customer outcomes

## Shortbook Lesson Example

BIM Terminology / BIM Terms & Definitions Assessment / Preview

**BIM Terms & Definitions Assessment**

Quiz Settings Questions Results Question bank More ▾

Back

Time left 0:19:47

Question 1  
Not yet answered  
Marked out of 5.00  
[Flag question](#)  
[Edit question](#)

The acronym BIM is an abbreviation for:

Select one:

- a. Building Interchange Model
- b. Building Implementation Model
- c. Building Information Modelling
- d. Built Information Management

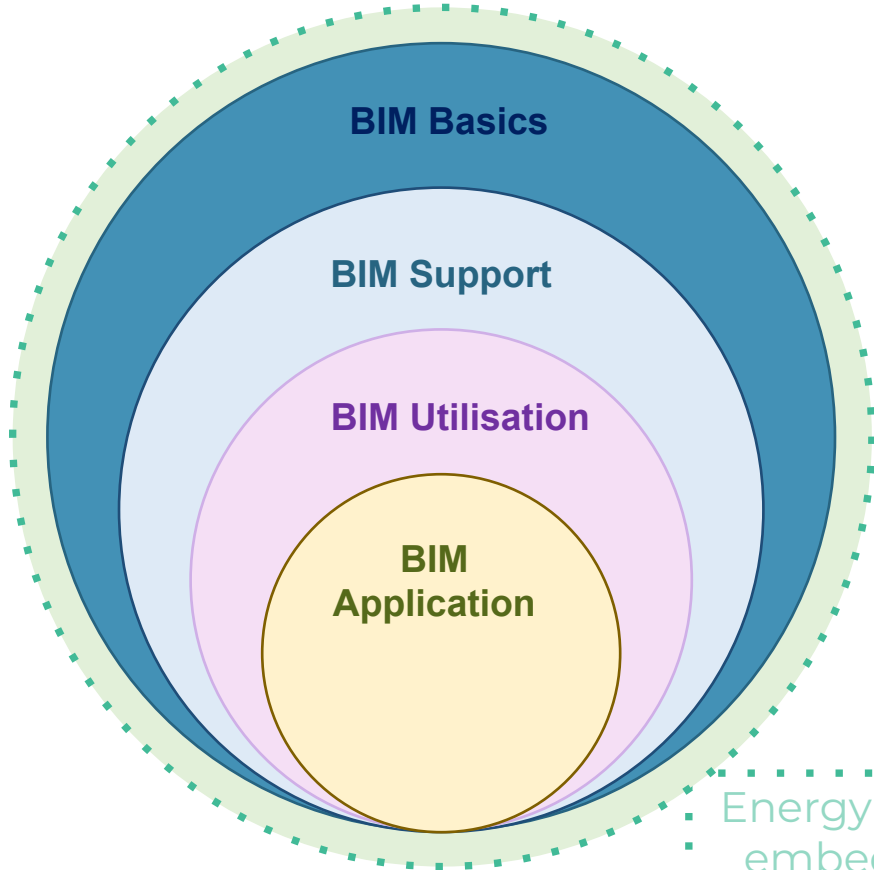
Next page

## Assessment Method Example- Test Quiz





# Content- Framework- Groups

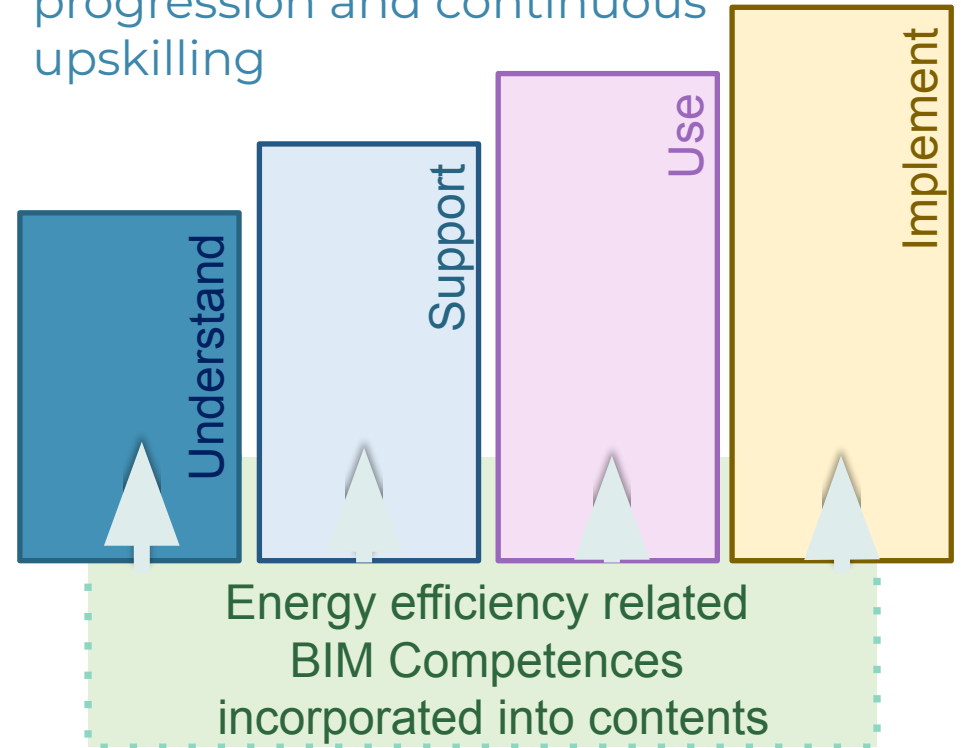


Energy Efficiency competence embedded into the contents of each area/ group



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Enables for a “ground –up” stepped progression and continuous upskilling



# The Arise Platform- Content- Framework



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## COURSE LIST | MODULES

MODULES TRAINING PLANS SORT BY DATE SORT BY NAME Search here

**BIM TERMS & DEFINITIONS - INTRO**

Implementing BIM? Then, knowledge of some essential key terms is essential! Get past the jargon and learn some of the basic important terms to allow progress in your BIM journey.

XP 34 ★ 24 🗑 1

**BIM DIMENSIONS - INTRO**

What are BIM Dimensions? You probably already heard about BIM levels or stages, but what about these Dimensions? Learn how many are there; what do they mean and how they apply into your role and

XP 40 ★ 30 🗑 1

**OVERVIEW OF BIM BENEFITS - INTRO**

4.0 revolution-digitalisation is changing the AEC industry's workflows, methods, processes and tools. BIM is often in the center of this. What benefits adopting BIM brings to the industry and its

XP 46 ★ 36 🗑 1

**BIM TOOLS FOR ENERGY EFFICIENCY - INTRO**

Learners will know and be able to: Illustrate how BIM can be utilised to reduce energy loss

XP 49 ★ 39 🗑 1

**SECURE ACQUIRED BIM-KNOWLEDGE**

COMING SOON  
Learners will be able to: Understand how to secure acquired BIM Knowledge, including key terms and definitions.

XP 0 ★ 0 🗑 0

**DEVELOP PROJECT STRATEGIES FOR DIFFERENT GROUPS**

COMING SOON  
Learners will be able to: Develop Project Strategies for Different Groups, including key terms and definitions.

XP 0 ★ 0 🗑 0

**DIGITISATION TRAINING - BIM ENABLING TOOLS FOR**

COMING SOON

XP 0 ★ 0 🗑 0

**COLLABORATIVE BIM TO ACHIEVE NZEB**

The following learning unit aims to give all the tools and knowledge necessary to all project team members for BIM workflow generation and application. For this purpose, the roles and

XP 0 ★ 0 🗑 0

## COURSE LIST | TRAINING PLANS

MODULES TRAINING PLANS SORT BY DATE SORT BY NAME

**BIM BASICS**

The micro training plan enables learners to develop a fundamental understanding of Building Information Modelling (BIM) and associated workflows.

XP 30 ★ 0 🗑 0

**IMPLEMENT A BIM STRATEGY**

COMING SOON  
Introductory micro training plan providing basic understanding of how to successfully implement a BIM strategy.

XP 0 ★ 0 🗑 0

**BIM AND ENERGY EFFICIENCY**

Introductory micro training plan providing basic understanding of Sustainable and Energy Efficient Design & Construction principles and on using BIM tools to help achieve it. \*Enrolment opening soon\*

XP 10 ★ 0 🗑 0



# The Arise Platform- Content- Examples

Understand the context of and essentials of BIM, especially focused on:

- What is BIM
- What and whom it involves
- Key terms and definitions within BIM
- Its context in the wider digitalisation of the AEC Industry
- BIM's role as an enabler for energy efficiency

## Module's methodologies, delivery tools, materials and assessment methods

- Web-Based Lecture (WBL), Instructor-Led Tutoring (ITL), Scaffolding, Guided Self-Study (GSL)

Material can be presented in

- live lecture and recorded as a narrative videos
- Short Book created to support presentation content
- Multiple choice quiz used for assessment



The image shows the Arise logo at the top, which consists of the word "arise" in a blue, lowercase, sans-serif font. The letter "a" is stylized with a circular arrow around it, and the letter "e" is also stylized with a circular arrow. Below the logo is a blue-tinted image of a 3D architectural model of a building structure, showing columns and beams. In the top right corner of this image is a dark blue square with a white clock icon and the number "15". Below the image is a blue rectangular box with white text. The text reads: "EXAMPLE : - BIM Basics", followed by a paragraph: "Understand what BIM involves, including why/ how it encompasses all of the construction supply chain and built asset/project lifecycle. BIM as part of a wider revolution- digitalisation of the AEC industry and". At the bottom of the box are three columns of text: "XP" above "15", a star icon above "0", and a shield icon above "0".

## arise

**EXAMPLE : - BIM Basics**

Understand what BIM involves, including why/ how it encompasses all of the construction supply chain and built asset/project lifecycle. BIM as part of a wider revolution- digitalisation of the AEC industry and

XP 15

★ 0

🛡️ 0

# The Arise Platform- Content- Example

Overview of the main concepts related to the use of energy in buildings.

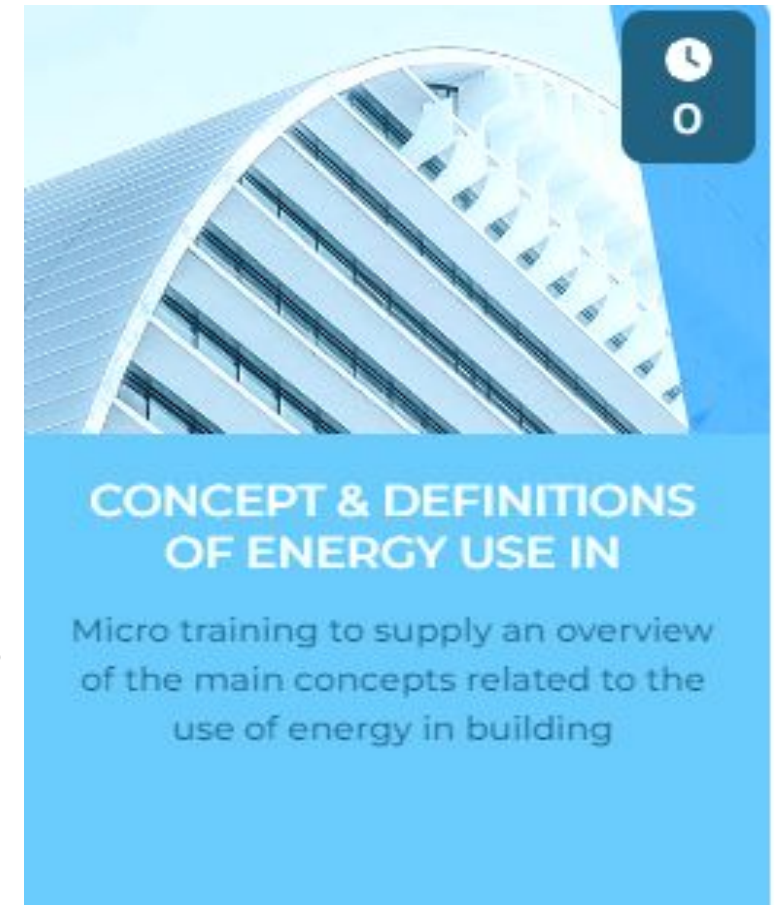
## Module's methodologies, delivery tools, materials and assessment methods

The methodologies, delivery tools, materials and assessment methods for this module can consist of the following:

- Guided Self-Study (GSL), Blended / Online Learning
- Coursebook, Presentation, Bibliography / Links
- User's supplied with links to external supporting resources to assist self-guided learning and for independent progress.
- Assessment method: multiple choice quizzes



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# The Arise Platform- Use it



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## TRAINING 4 TRAINERS

First step to possibly become a BIMcert Trainer, and/ or influence upskilling of the AEC industry. Are you: a Trainer or AEC Professional involved in upskilling in BIM & Digital construction, Energy Efficiency and

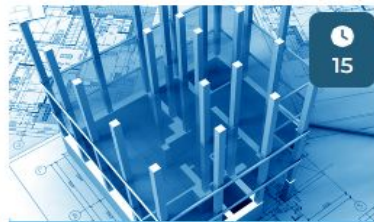
XP 0  
★ 0  
🗑️ 0



## BIM READY

A FREE self-study guide in online/ offline format, to introduce you to BIM and to get you on track to be ready to give first steps into BIMcert upskilling and for using BIM within your professional role. Will indicate

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## WHAT IS BIM & DIGITAL CONSTRUCTION?

Understand what BIM involves, including why/ how it encompasses all of the construction supply chain and built asset/project lifecycle. BIM as part of a wider revolution- digitalisation of the AEC industry and

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## BIM TERMS & DEFINITIONS

Implementing BIM? Then, knowledge of some essential key terms is essential! Get past the jargon and learn some of the basic important terms to allow progress in your BIM journey.

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## WHAT ARE BIM (MATURITY) LEVELS?

Ever heard of BIM Maturity levels? Not sure what they are, what it means and what it involves? This FREE short micro training unit is just what you need to get up to speed! We will break it all down.

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## BIM DIMENSIONS

What are BIM Dimensions? You probably already heard about BIM levels or stages, but what about these Dimensions? Learn how many are there; what do they mean and how they apply into your role and

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# The Arise Platform- Have your say



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**HELP ARISE SHAPE THE FUTURE OF THE INDUSTRY.**

**BE PART OF OUR FOCUS GROUP**

**HAVE ACTIVE INFLUENCE IN YOUR UPSKILLING OPTION / SKILLS RECOGNITION.**

**MAKE ARISE EVEN MORE RELEVANT TO YOU**

**HELP US IMPROVE FURTHER**





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# ARISE offers

*Anna Moreno*

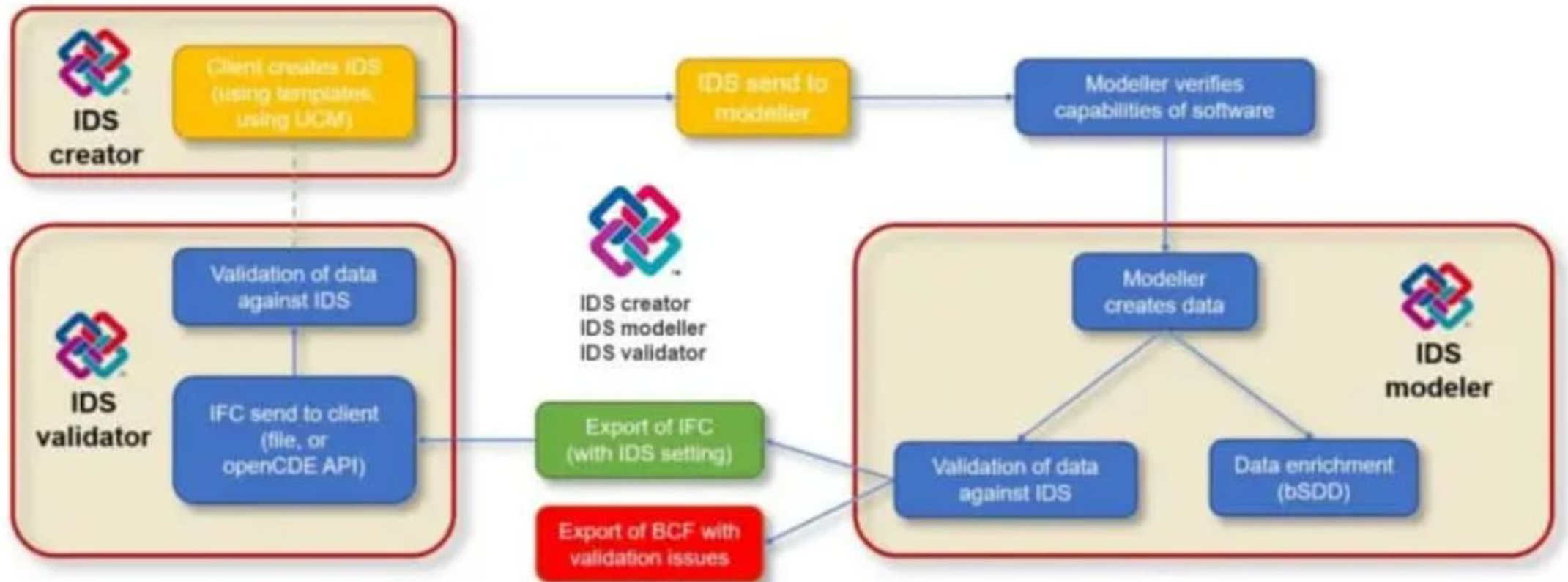
*ARISE partner and Responsible for the international affairs BuildingSmart Italy - IBIMI*

The ARISE platform can be used to increase both the demand and the offer of new competences



# ARISE for the Public administration

Public administration could better understand the use of BIM to manage the requirements for open BIM in public procurement



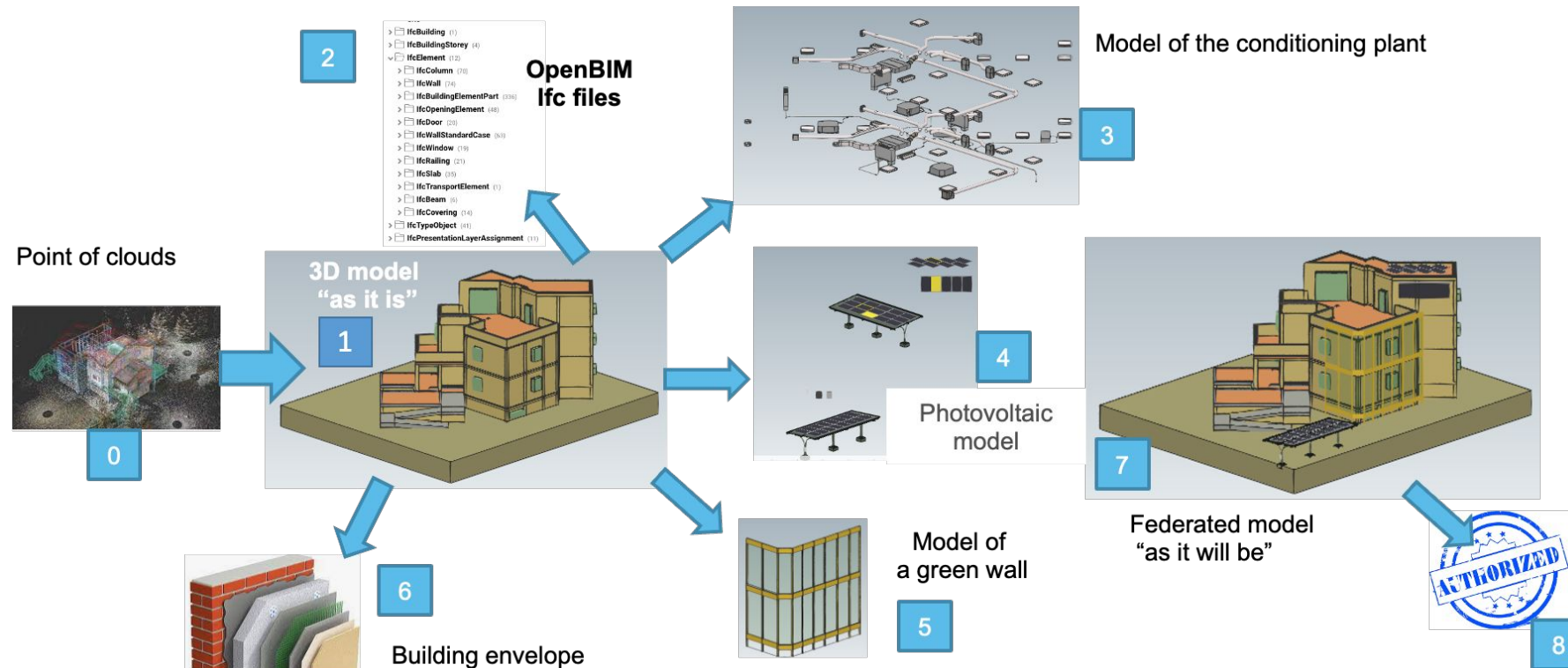


# ARISE for the small enterprises



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Small enterprises could learn how to use BIM to better collaborate and integrate within the supply chain. They will learn step-by-step and will support upskilling their workers with bite size learning materials



# ARISE for students

Students could enrich their curriculum by certifying their competences



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A stack of three overlapping digital profile cards for 'Isabel Monti'. Each card shows a profile picture, a bio, and a list of competencies and languages. The top card is the most detailed, showing a bio in Italian, a list of competencies (Organizational, Accountability, Leadership), and languages (Italian, English, Spanish). The cards are framed with blue borders and have arrows pointing from the graduation cap and diamonds towards them.



# ARISE for technology producers

Producers of technology could teach designers and installers to better use their technology



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COURSE LIST   MODULES					
<b>BIM TOOLS &amp; OPERATIONS (BIM101)</b> Introduction to BIM and its applications in the construction industry. Covers the basics of BIM software and how to use it effectively.	<b>BIM COMMERCIALS - OFFICE (BIM102)</b> Understanding the business side of BIM, including how to market and sell BIM services to clients.	<b>OVERVIEW OF BIM SOFTWARE (BIM103)</b> A comprehensive overview of the various BIM software packages available in the market, including their strengths and weaknesses.	<b>BIM TOOLS FOR ENERGY EFFICIENCY (BIM104)</b> Exploring how BIM can be used to optimize energy performance in buildings, from design to construction.	<b>DESIGN BIM STRATEGY (BIM105)</b> Developing a clear and effective BIM strategy for a project, from the initial design phase through to completion.	<b>MANAGE ORGANISATIONAL BIM (BIM106)</b> Implementing BIM across an organization, including the challenges and best practices for successful adoption.
<b>SMART UTILITIES AND OPERATIONS (BIM107)</b> Exploring the integration of smart utilities and operations into BIM, including smart meters and smart grids.	<b>DATA OF BIM FOR THE CONSTRUCTION INDUSTRY (BIM108)</b> Understanding the importance of data in BIM and how to manage and analyze it effectively.	<b>CONSTRUCTION TRAINING AND EDUCATION (BIM109)</b> Exploring the role of BIM in construction training and education, and how to develop the next generation of BIM professionals.	<b>COLLABORATIVE BIM TO IMPROVE PROJECT DELIVERY (BIM110)</b> Exploring how BIM can be used to improve collaboration and communication between project stakeholders.	<b>BIAS REALIZATION AND COMMERCIALIZATION (BIM111)</b> Exploring the challenges and opportunities of realizing the full potential of BIM in the construction industry.	<b>NEAR ZERO ENERGY BUILDINGS (BIM112)</b> Exploring how BIM can be used to design and construct near zero energy buildings, from design to construction.



# ARISE for employers

The employers could identify the tasks their employees need to perform and address them to the right training path



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BIM Coordination	Contribute on BIM Execution Plan	BA-3.1.1 Perform quality checks on the contract BA-3.1.2 Compile (federated) building model, based on aspect or discipline models	<b>ULOs</b> <b>Identify how to manage clash control distribution and follow-up</b>
	Organise checking of models,	BA-3.2.1 Organise clash control sessions BA-3.2.2 Check (federated) building model, based on BA-3.2.3 Manage clash control distribution and follow-up	
	Manage BIM coordination process	BA-3.3.1 Propose changes and check execution of BA-3.3.2 Direct project team members on data and BA-3.3.3 Make use of appropriate tools BA-3.3.4 Signal risks and bottlenecks	
<b>BA-3 BIM Coordination</b>	Technical, BIM-process level. BIM use in projects Coordination of models. <b>Relevant labels:</b> model check, clash control, Federation, open/closed BIM, ICF		Each specialism is divided into a set of identified tasks and subtasks  They define and determine the curriculum content, learning outcomes and assessments While enabling a micro module delivery approach

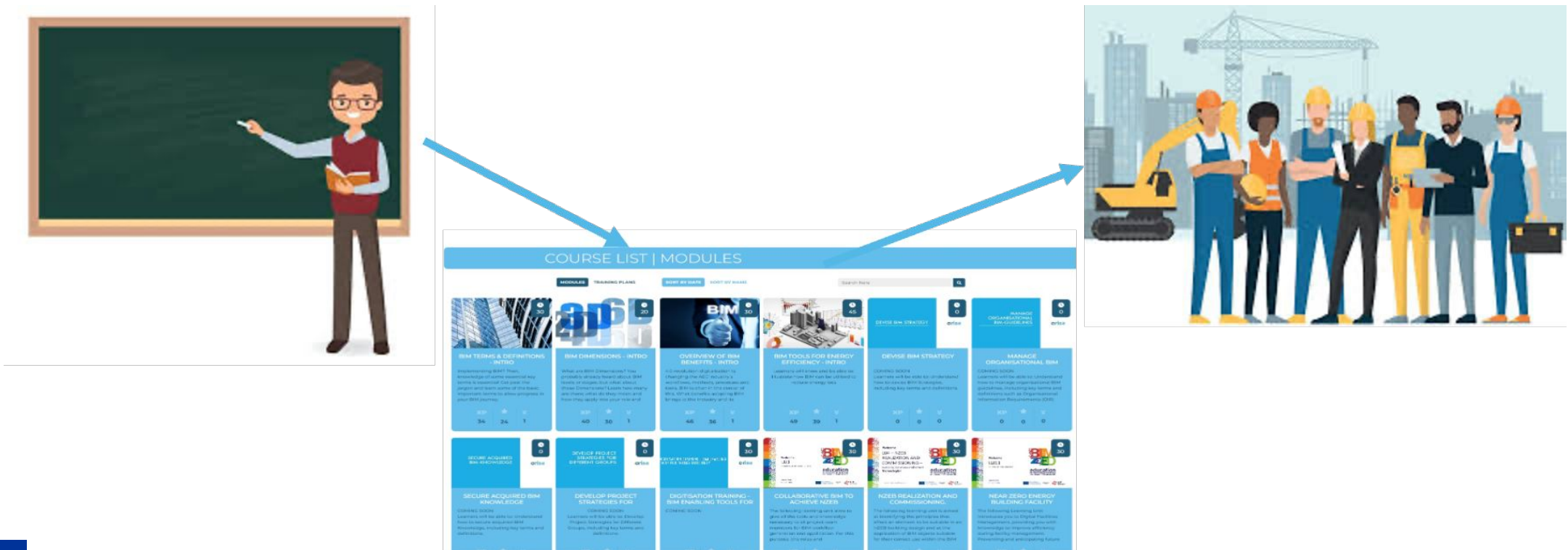


# ARISE for trainers

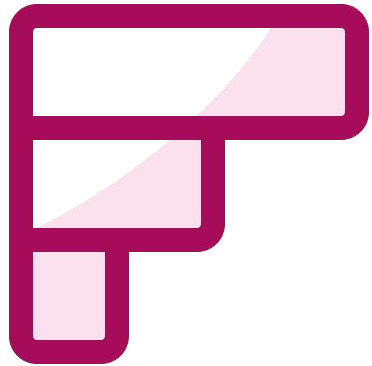
The trainers could use the ARISE platform as a learning materials database to tailor the courses for specific users' classes



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slido



# What will be the most important target?



① Click **Present with Slido** or install our [Chrome extension](#) to activate this poll while presenting.



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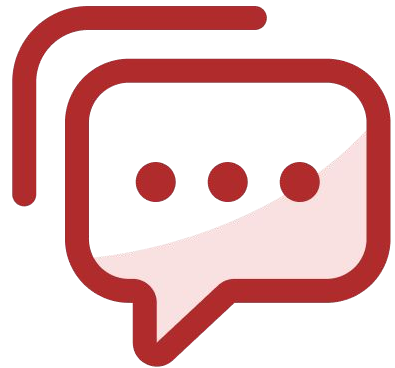
# Questions and Answers with Sli.do

*Larissa De Rosso*

*ARISE partner and Project Officer at the Architects' Council of Europe (ACE)*



slido



## Audience Q&A Session



① Click **Present with Slido** or install our [Chrome extension](#) to show live Q&A while presenting.





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# Thank you from BUILD UP

*BUILD UP team member*



# Thank you!

## BUILD UP

The European portal for energy efficiency  
and renewable energy in buildings





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# BUILD UP

The European portal for energy efficiency and renewable energy in buildings



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## Partners

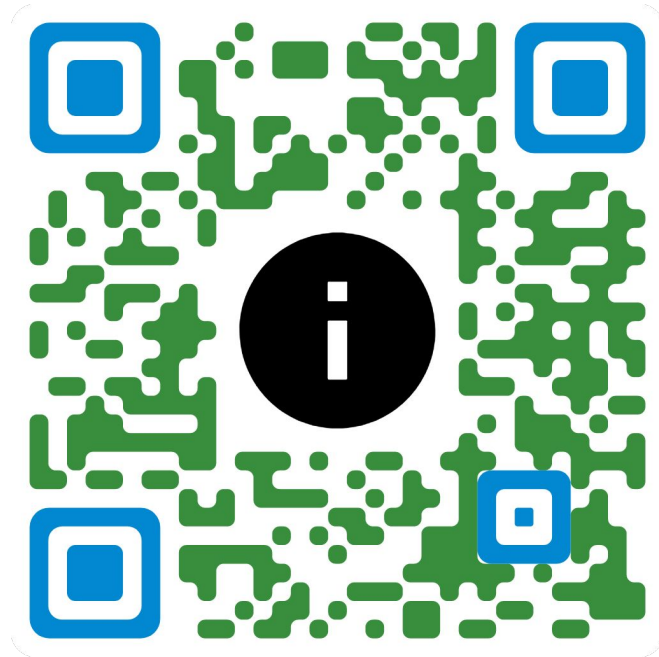


This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101033864



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Thank you!



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