

14th BUILD UP Skills EU exchange meeting - November 2022

Session 2B on the role and function of Digital ecosystem(s) in BUILD UP Skills projects



14th BUILD UP Skills EU-Exchange November 2022, Jan Cromwijk



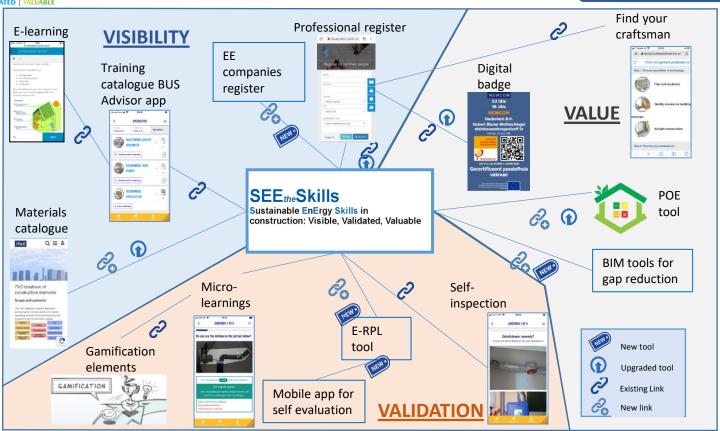






What is a digital Learning Ecosystem?





Digital means for upskilling







Learning Management Systems

Many projects... Many Systems





Construye 2020 Construye 2020

Personalizar esta página

Vista general de curso	
▼ En progreso ▼	Į <u>≟</u> Ūltimo accedido ~
Online Training Aistaniento (érmico de edificios	Online Training Rentabilidad de la eficiencia energética de
Alsiamiento termico de edilicios	xentabilidad de la eliciencia energeaca de
34% completado	26% completado
Online Training Glosario	Online Training Instalación de ventanas de aluminio y PVC
	50% completado
Colina Triplina	Oplica Telision
Online Training Instalación de sistemas de geotermia	Online Training Instalación de sistemas de calefacción y aire
48% completado	2ft completado



Instalación de sistemas de hiomasa

Online Training





ß

0

B

Aislamiento térmico de edificios

<u>Área personal</u> Mis cursos <u>Aislamiento</u>

Presentación y contenidos

<u>Metodología</u>

Uso de la plataforma

Evaluación

Unidad 1 - Conceptos básicos

Progreso en la disciplina

Unidad 2 - Materiales de aislamiento

Progreso en la disciplina 40%

Unidad 3 - Normativa y recepción en obra

Progreso en la disciplina

Unidad 4 - Pautas básicas sobre la instalación de los materiales de aislamiento

Unidad 6 - Hacia el Edificio de consumo de energía casi nulo

Progreso en la disciplina

<u>Unidad 5 - Ejecución de diferentes soluciones constructivas</u>

Progreso en la disciplina

22%

Progreso en la disciplina

Unidad 7 - Nociones básicas de BIM y LEAN Construction

<u>Bibliografía</u>







Aislamiento térmico de edificios

<u>Área personal</u> Mis cursos <u>Aislamiento</u> <u>Unidad 5 - Ejecución de diferentes soluciones constructivas</u>

UNIDAD 5 - EJECUCIÓN DE DIFERENTES SOLUCIONES CONSTRUCTIVAS

Objetivos:

ⅲ

- Soluciones constructivas de la parte ciega de la fachada.
- Soluciones constructivas para cubiertas.
- Soluciones constructivas de techos.
- Soluciones constructivas de suelos.
- · Soluciones constructivas de los elementos de contacto con el terreno.
- · Soluciones de aislamiento de redes de distribución para equipos en la edificación (tuberías y conductos).



En casa



En clase



rea

SECCIÓN ANTERIOR

Unidad 4 - Pautas básicas sobre la instalación de los materiales de aislamiento

Ir a...

Unidad 6 - Hacia el Ed





‡

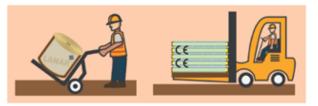


Figura 3.5. Utilización de medios mecánicos para el transporte de materiales

consecuencias relacionadas con los defectos del material aislante que se recepciona en la obra son:

tos que presenten daños en su embaloje pueden causar una merma en sus propiedades aislantes cuando son colocados.

ifican las características principales del aislamiento de acuerdo con lo especificado en el proyecto, puede que no se cumpla con las exigencias del CTE y la certificación energética prevista.

ırda

nprobar que el producto llega a la obra con el embalaje original y en perfectas condiciones. Asimismo, hay que verificar que las características del producto servido cumplen con las especificaciones del proyecto.

a lo que has aprendido











O PROJEKTU KURZY MŮJ PŘEHLED NATALIE ANISIMOVA ODHLÁSIT SE 置 🧫 🛌





Kvíz - Vzduchotěsnost 2

Manžeta pro vzduchotěsný průchod konstrukcí

Klikněte na obrázek zobrazující uvedený prvek



Vzduchotěsné uzavřený spoj mezi nosnou konstrukcí stropu a obvodového pláště

Klikněte na obrázek zobrazující uvedený prvek



Nevzduchotěsně zhotovený detail Klikněte na obrázek zobrazující uvedený prvek/provedení











CEN-CE

CEN EPB Standards Certified Experts

Gebruikersnaam / e-mail	Ben je je gebruikersnaam of wachtwoord vergeten?
Wachtwoord	Cookies moeten aanstaan in je browser 🧃
761 7	
Gebruikersnaam onthouden	

Is dit de eerste keer dat je hier bent?

Om volledige toegang tot deze site te krijgen, moet je een account maken.

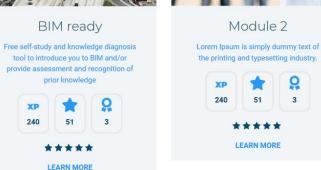
Nieuw account maken

















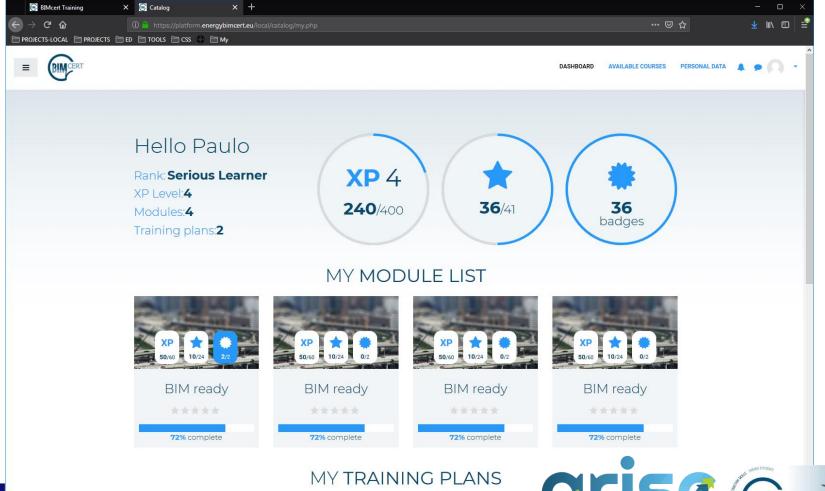














Learning Management Systems



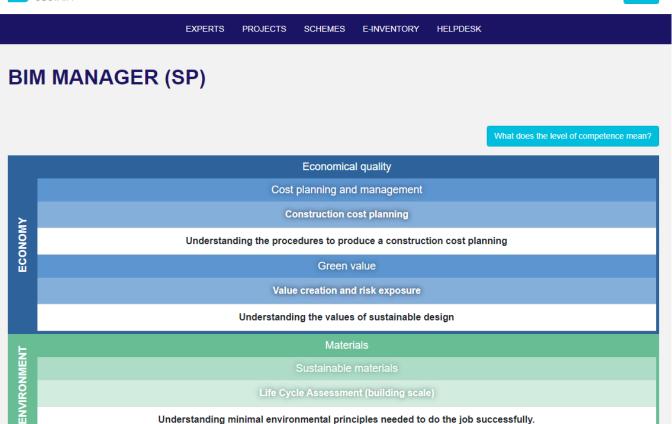




Unit of Learning Outcome databases

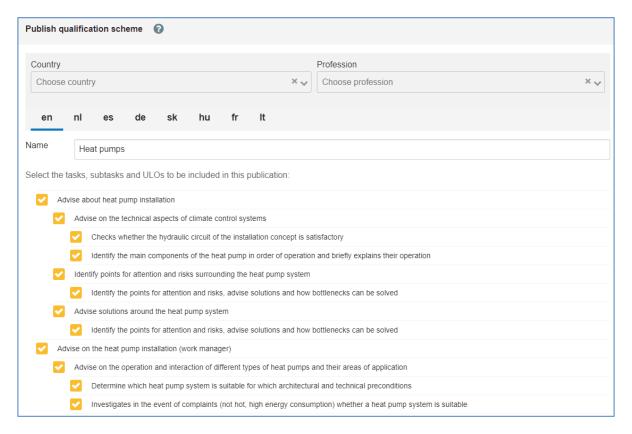
- 1. Train4Sustain
- 2. BUILD UP Skills
- 3. ...



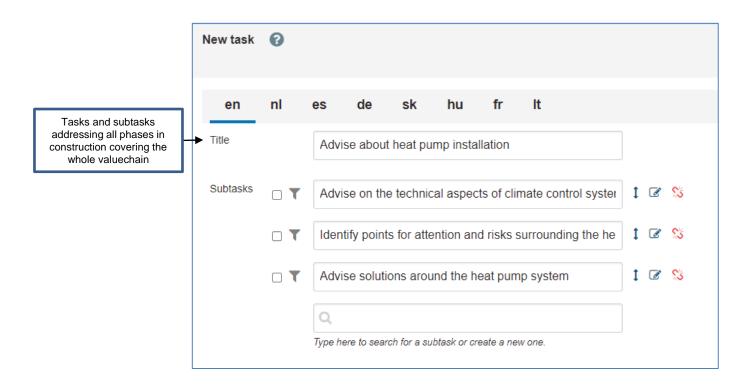


Understanding minimal environmental principles needed to do the job successfully.

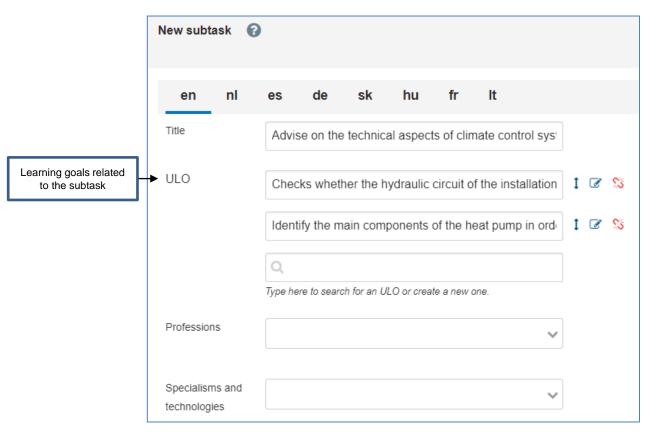




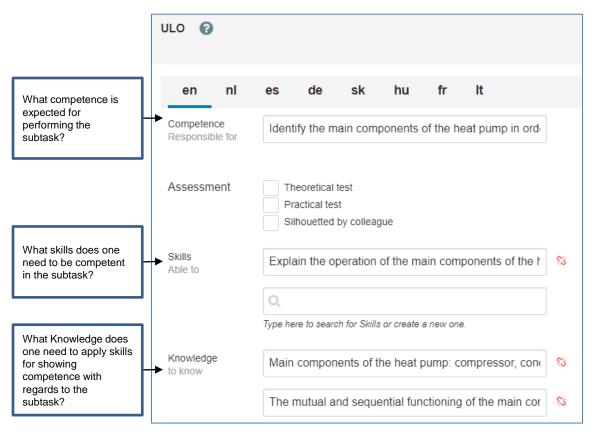




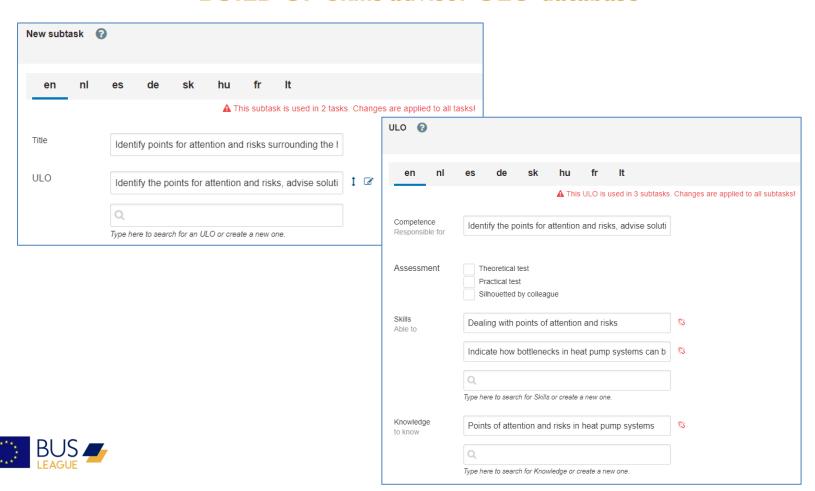












Unit of Learning Outcome Database







Inventories of Courses and Learning Materials

In many projects...
In custom made databases





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News

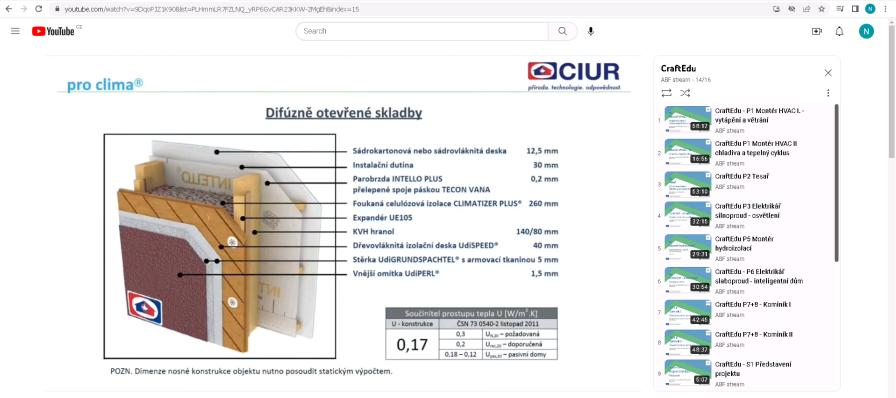
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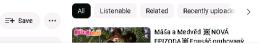






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% Clip





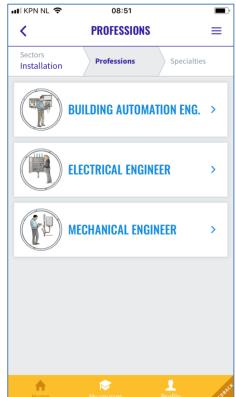


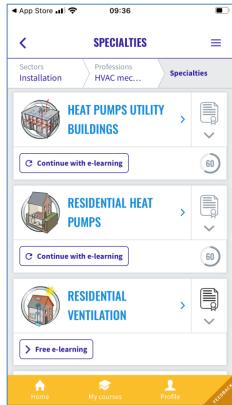
Zobrazit vše 💢

















EXPERTS

PROJECTS

SCHEMES

E-INVENTORY

HELPDESK

E-INVENTORY

Find and read details about courses that are most relevant for you.

FIND COURSES SEARCH . BIM THEMATIC FIELDS EXPERTISE Clear filters Search

Technician for programming and management of the building
process, BIM and green oriented

(1) 800

Italy

The construction site management technician coordinates the construction process and / or restructuring process; oversees the planning, management and control aspects of the execution of the works, with a view to optimizing the resources used. He recognizes and faces unforeseen events and variations relat...



Load more





Inventories of Courses and Learning Materials







Personal Recognition

In many projects... in multiple ways



Green skills accreditation system

Pathways for a worker to get the Green Tag

Path 1



Construye 2020+ courses (online, blended, face to face)

Path 2



Experience accreditation

(practical exam based on Construye 2020+ courses' learning outcomes)



Green Tag B

Green Tag C







Green skills accreditation system

Green Tag integration within Construction Professional Card (TPC)



A green skilled worker... ... goes to a TPC office with a Construye 2020+ diploma, where it is verified and included within TPC's worker data... ... and new data is totally available and downloadable for the worker!!





Please note this public list contains only the CEN EPB Standards Certified Experts that have given consent to be displayed.

EXPERTS

COMMUNITY

Course	▼ Cou	intry	*	City		EQF level	k	*
N 12831-3 EN 15316-1 HW needs General part	EN 15316-2 Emission & controls	EN 15316-3 Distribution systems	EN 15316- 4-1 Generation - Boiler	EN 15316- 4-10 Wind turbines (not in mandate)	EN 15316- 4-2 Generation - Heat pump	EN 15316- 4-3 Generation - Solar, PV	EN 15316- 4-4 Integrated cogeneration	EN 15 4-5 Di Heatir Coolir
Alberto Fabrici View details					•	•		
Alen Ćurin View details		•	•		•	•	•	
Ana Matković View details		•	•		•	•	•	
Anđelko Medvidović View details					•	•	•	
Angela Simone View details					•			
Anka Ferić Marković View details			•		•	•	•	





Personal recognition





BUS

& LifeLong Development





EXPERTS

PROJECTS

SCHEMES

E-INVENTORY

HELPDESK



Diego De Nardi

D-STUDIO - DIEGO DE NARDI ARCHITECT is an architectural firm based in Treviso. The design activity of Diego De Nardi (graduated in Venice - IUAV - in 1996; enrolled in the Order of Architects of Treviso in 1998), spills over into academic activity at the IUAV-Venice (from 1996 to 2016 he held lectures, seminars, and workshops in the courses of Prof. Angelo Villa; co-supervisor of over 30 degree theses) and is intertwined with cultural activity (publications of volumes, essays in international architectural journals, conventions and conferences). A way of 'being an architect', between architecture as a discipline and architecture as a profession. The design activity is mainly focused on themes related to architecture and the city: Restoration of Cultural Heritage, buildings and urban equipment, urban development and recovery projects and plans, declined in public and private works projects also carried out in collaboration with different design groups, sometimes reported in competitions and published in sector newspapers.

Language skills

English - Language level

October 20, 2022





SKILLS PASSPORT

		Accessibility	
		Barrier free accessibility	
	AC1.1	Accessibility of public spaces	5
>		Comfort and well being	
SOCIETY		Thermal comfort	
SO	CO2.1	Indoor Thermal Comfort	3
		Services	
		Services for inhabitants	
	SE2.1	Functional mix	5
		Built Environment Certification systems	
		Building sustainability certification	
	BE1.2	Building sustainability certification systems	4
ς,		Interdisciplinary Skills	
OCESS		Collaboration and Communication	

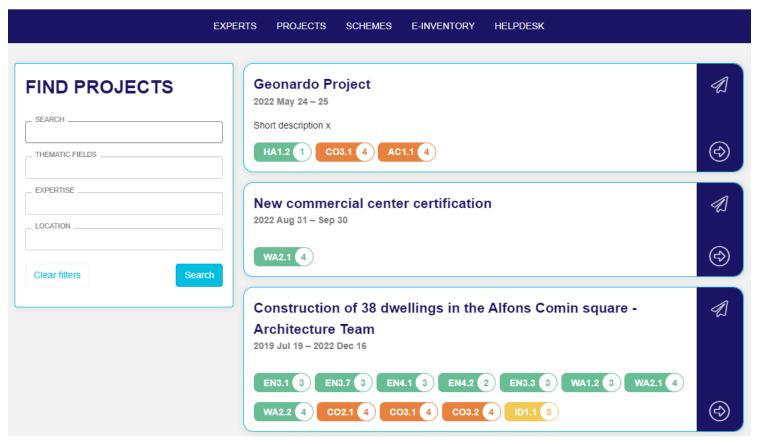
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Motivation and communication - Design Team



IS3.1

EUROPEAN SKILLS REGISTRY





Analysing and addressing SkillGaps

What does the level of competence mean?

×



Has little knowledge and skills with respect to the thematic area.

Understands basic principles and is able to take part in project team discussions.



Understands basic knowledge and has practical skills within the thematic area, is able to solve simple problems by selecting and applying basic methods, tools, materials and information.



Has comprehensive, factual and theoretical knowledge and skills within the thematic area, is capable of solving standard problems within the field



Has advanced knowledge involving a critical understanding of theories and principles and skills, required to solve complex and unpredictable problems in the field and is aware of the boundaries.



Has specialized knowledge and problem-solving skills, partly at the forefront of knowledge in the field, in order to develop new knowledge and procedures and to integrate knowledge from different fields.







TECHNOLOGY,
CODE INTERDISCIPLINARY SKILLS AND
PROFESSIONS

Specific to Circular Economy

PRR Prioritise regenerative resources

PRR1 Bio-Based and regenerative material application

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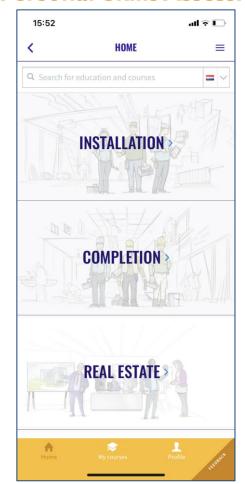
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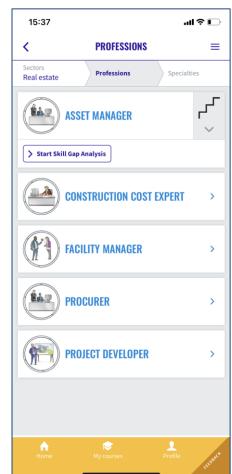
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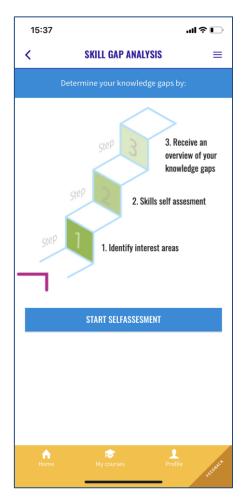


materials

What's next: Personal Skills Assessments



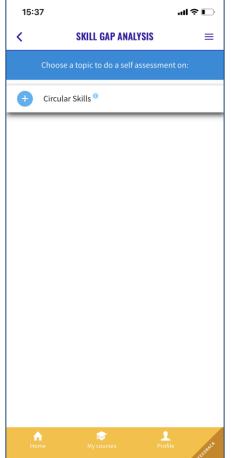








What's next: Personal Skills Assessments











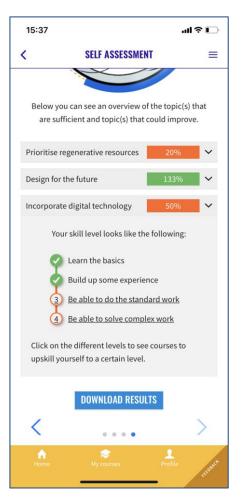




What's next: Personal Skills Assessments



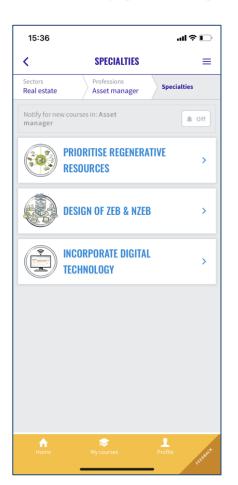








What's next: Personalised learning pathways

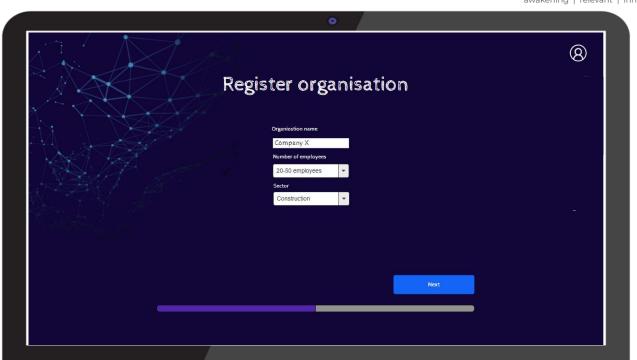








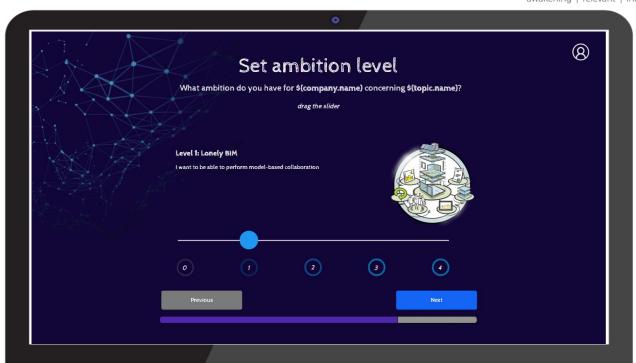
















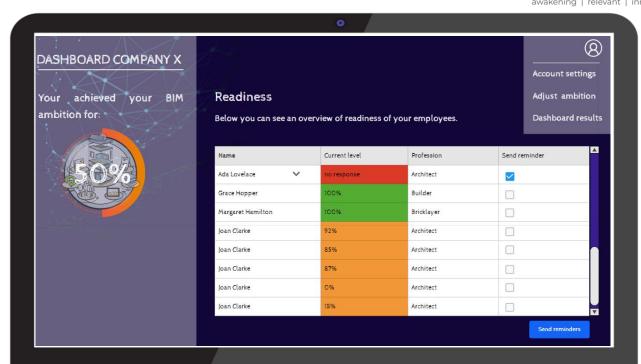


			8
Invite emplo	vees		
The last step is to invite your o	rmployees to do a BIM self-assessment to do not invitations to your employees.	ermine what the current BIM level of your	
E-mail	Name	Profession	
jane.doe@company.example.com	Jane Doe	Architect	~
john.doe@company.example.com	John Doe	Planner	•
jake.doe#company.example.com	Jake Doe	Builder	•
add employee e-mail			
	Previous	Send invitations	











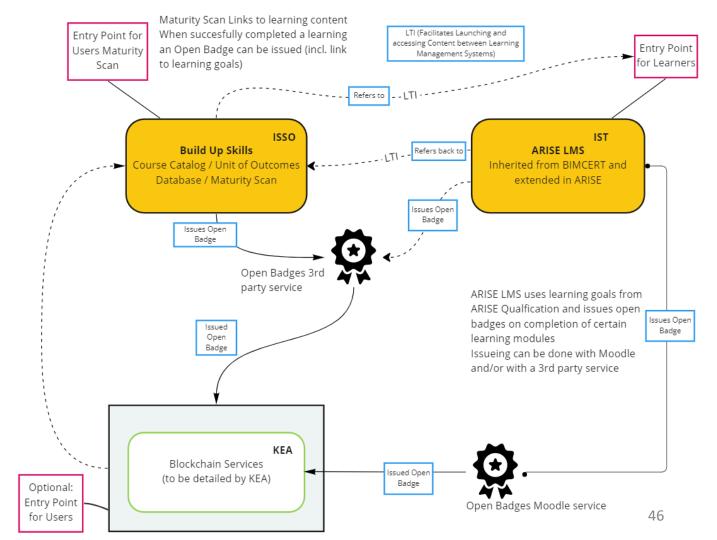
Personal Recognition and Skillgap analysis







Interconnectivity





Interconnectivity in Digital Learning Ecosystem(s)













Where is harmonization or standardization needed?







How to consolidate and build upon proven outcomes...?









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