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D.6.2 Survey Report –user's feedback on the competence matrix

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D.6.1 Survey Report –user's feedback on the competence matrix

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Colophon

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Glossary

BIM – Building Information Modelling

BIM-EPA – BIM Energy Performance Alliance

BEM – Building Energy Modelling

CPD – Continuous Professional Development

GSL – Guided Self Learning

ICT – Information and Communication Technologies

NZEB – Nearly Zero Energy Building

PBL – Project-Based Learning

WP-Work Package

D – Deliverable

MS- Milestone

WIP-Work in Progress

BMC- Belfast Metropolitan College

IST-Instituto Superior Técnico

LO- Learning Outcomes

OA- Ordem dos Arquitectos

QA- Quality Assurance

ROI- Republic of Ireland

N.I- Northern Ireland

AEC Architecture Engineering Construction

PT-Portugal

UK-United Kingdom



Abstract

Following up and related to *Deliverable 6.1 Report- Package of testing materials for qualifications recognition scheme and maturity level*, this present report explores the approach and methodology and production of the survey/questionnaire to obtain public feedback regarding the *Qualifications Recognition Scheme and Maturity Level* - being developed by WP 3, with direct contribution from other WPs (refer to ARISE deliverables 3.1 and 3.2 reporting),

It will summarise the proposed strategy for the ARISE survey questionnaire, which is to follow the presentation of materials of Deliverable 6.1 to market stakeholders, regarding the *Recognition Scheme/ Framework*, in both Consortium, and associated partner's countries.

It will confirm the type of research data to be collected, and identify a possible range of participants.

Deliverable 6.2, together with deliverable 6.1 (please refer to D6.1 report) are both part of the first pre-production stage for:

- testing ARISE's overall methodology, in detail, the tools for maturity assessment, the competence matrix proposal
- consequent tailored signposting of users to a tailor fit pathway of qualifications scheme for recognised competencies.

The work that has been developed, and reported here, is directly and indirectly associated with WP 6 two main objectives:

- 1) *Validation of the developed matrix of competences and qualifications to increase market competence, including digital tools of delivery and certification, in terms of meeting market demand and industry needs concerning transferability and recognition.*



2) Build the capacity of the market drivers and actors, on both demand and supply side, to appreciate the benefits of the developed digitalisation skills and certification program, and to apply them in mutual collaboration.

The questionnaire(s) is intended to be presented to market stakeholders, to obtain valuable and relevant feedback, thus providing improvements as necessary to ARISE outputs.

This aims to increase long term impacts, as well as to create a positive reception towards ARISE upskilling actions, from the market stakeholders. This addresses objective 1.

The survey proposed format allows several actors to comment:

- the framework,
- on their understanding of concepts and benefits of digitalisation skills (BIM in particular) and associated energy efficiency,
- on their personal skills within that context,
- and evaluate if, and how, the proposed Framework conceptually can offer them a suitable upskilling pathway.

With the survey exercise, participants will be encouraged to self-reflect and recognise the advantages of recognition and validity of skills for improvements of the workforce, and its contribution to increase employability and job mobility.

This addresses both objectives 1 and 2.



1. Introduction

This report is D6.2 of WP6, and it relates mainly to Task 6.2- *Surveys of competences training scheme packages*.

It's connected to and builds towards the achievement of *MS19 –M6.1 Completion of initial testing of concepts, methodology, and matrix of competence stage*, which entailed the production of *D.6.1 Package of testing materials for qualifications recognition scheme and maturity level* (see 6.1 report for further details); and this *D.6.2 Survey Report –user's feedback on the competence matrix*.

WP6 and D.6.2 Goals are:

- 1) To confirm: *Suitability of maturity level matrix and framework content, as well as training material approach, methodology & Format.*
- 2) To confirm: *Benefits and impact of the application of acquired skills.*
- 3) To facilitate and recommendation to other WPs for improvement of their outputs.

The present D6.2 report includes description of pre-production and drafting activities of the Survey(s) that will be presented to market actors to gauge their opinion and recommendations in relation to ARISE work carried out so far, related to the matrix of competencies, concepts, and methodologies.

It was initially intended to also include outputs from Task 6.3- *Production of the 1st survey report*. Originally, WP6 had considered commencing market direct actions, where early preliminary surveys to gather feedback would be conducted, very early on. This was so that we could “preliminary results” at this stage of the ARISE project, with findings and feedback/recommendations for improvements. We wanted to get an early take on task 6.3.



However, we had further analysis, to ensure the best and meaningful outcomes, WP6 considered the complexities and time required in:

- the work involved in the development of WP3 Matrix.
- both WP5 work, as well as WP4 on the platform development and technical research in relation to the digital badging technology, its implementation, and capabilities.

And recognised the risk of market actor fatigue if subject to continuous survey actions.

Based on the above, WP6 deliberately decided to delay pilots / trials, which would include a succession of multiple surveys, to after month 17.

This allowed for the Matrix of competence to be better defined, as well as its approach, practical implementations, methodologies, and concepts. And for WP6 to be in position to in a more efficient approach, centralise survey/ feedback collection into ideally a single action per event.

This way, the presentation of ARISE to market can be more meaningful, detailed, and relevant. Allowing for the specific related questions in the survey to obtain feedback that has more relevancy and is well informed, when influencing the direction and implementation of useful revisions to project outputs, when required.

Those findings and recommendation can/will be reported in the future.

We are proposing this to be included as part of the D6-4 report on workshops and upskilling actions for testing the digital tools, in their own section.

But feedback obtains will continuously be reported to relevant partners to be integrated in real time and effectively into improvements of their WPs.

2.Scope and context

2.1 Integration, inter-relation, interdependency, coordination, and synergies

2.1.1 Connection with other ARISE WPs deliverables and established course from D6.1

As previously indicated in the D6.1 report, WP6 work is closely, and interdependently connected with other WPs, with the outputs of WP3 and WP5 deliverables.

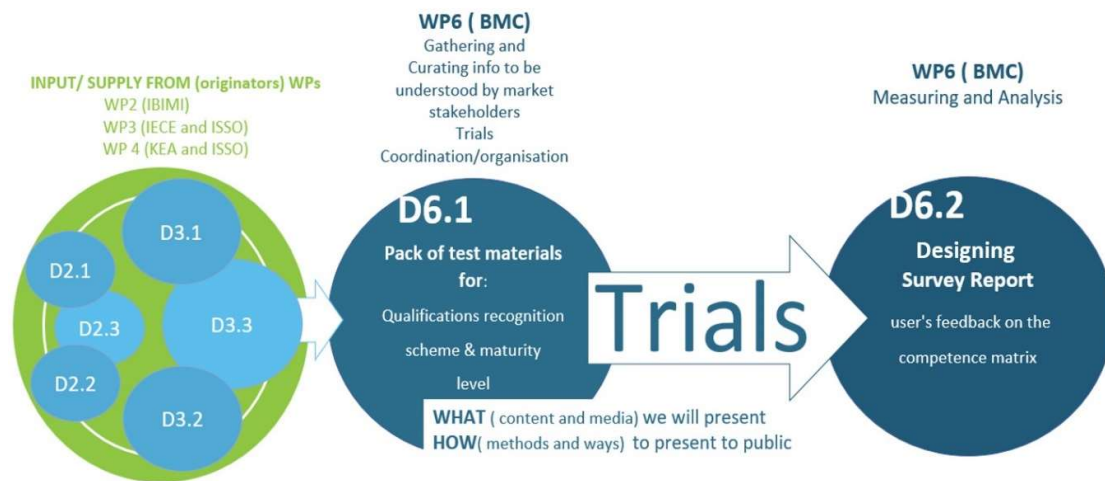


Fig 01. Diagram of Deliverables Sequence workflow, interdependency, and interoperability

D6.2 follows and is interconnected with the D6.1 -development of pilot samples of the matrix of competencies and learning outcomes work.

It was in fact developed in tandem, as the design of the survey and questions need to relate to the contents of the chosen samples (D6.1), for users/ market actors to be able to provide a meaningful and informed feedback.

Findings from WP2 provide the context in which ARISE operates, identifying the target audience from the onset, including the aims of ARISE, how it relates to other



EU implemented qualifications and certification's, enabling comparison and correlation.

Deliverable 6.1 is the first stage one of ARISE Trial actions. It needs to be considered in its specific role, within the overall trial process.

We had established in the D6.1 report that for optimum effectiveness it would be beneficial to present both the framework concept and some training materials to clarify practical application to the stakeholders. This is to enable users to understand the practical applications. and impact on learning of the maturity level-based skills and qualifications developed in ARISE.

A small sample of training materials, in conjunction with their presentation and visualisation of the proposed framework and its task-based concept; was our set package plan to provide the target audience with a clear vision of the corelation between the framework concept task-based activities and learning outcomes, alongside practical training application.

Survey questions developed a link to this concept in the consequent feedback

The selected materials for the initial stage of testing, includes covering areas in the Competence Matrix, such as:

- Basic BIM terminology and methodology,
- Essential Digital Skills,
- BIM and Digitalisation benefits (with emphasis to sustainability and energy efficiency and cost savings),
- Basic BIM Modelling intro

WP5 has actively worked with WP6 on pre-production of such samples.

2.2 The Survey's Test subject

As previously indicated in D6.1 report, the aim of the trials and of the survey is to obtain market feedback on:

- The ARISE task-based qualification framework, which forms the baseline for the Qualifications Recognition Scheme and Maturity level.
- The Qualification framework of sustainable energy skills leveraged by digitalisation including BIM.

These are related to WP3's

- D3.1 - *Levelling skill maturity*
- D3.2 *Maturity based model of digitization skills in sync with sustainable energy skills.*
- D3.3. *Qualification framework of sustainable energy skills leveraged by digitalisation incl. BIM.*

The survey has been designed to try gauging feedback in relation to:

- matrix of competencies overall concepts (WP2 & WP3)
- Framework of competencies (WP 3)
- learning outcomes (WP3)

And additionally, in following stage/ deliverable, to the

- training models and tools (WP5)
- training Methodology (WP5, enabled by and in WP4 platform)

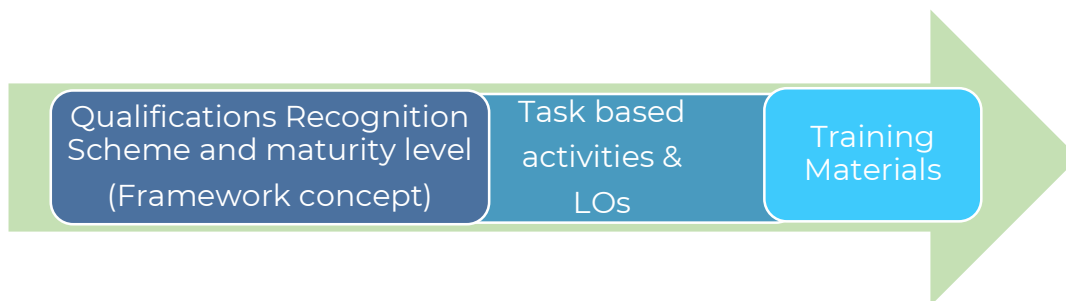


Fig 03. D6.1 Conceptual contents to convey to target audience for survey feedback

2.3 Survey Target Audience

2.3.1 The flexibility to cater a wide range of stakeholders.

As indicated in the D6.1 report, the overall intended target audience is in the grant agreement, as outlined in Table 1: ARISE Measurable Objectives in and Key Performance Indicators (KPIs): “AEC industry individuals, professional associations, SMEs, and other AEC stakeholders, such as owners and Public authorities”.

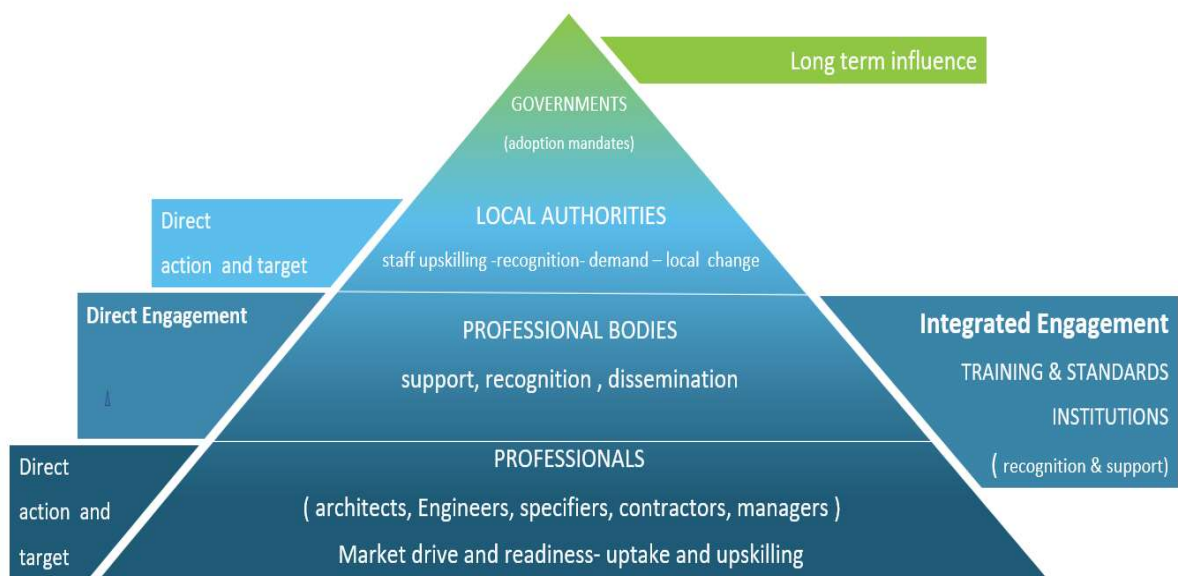


Fig 04 Target Audience

The D3.2 matrix definition of profession roles and categories, that further served to characterise the audience profiles.

The following table is an excerpt of stakeholders and categories, as defined in D3.2 *D3.2’s Maturity levels skills mapping spreadsheet.*



Profession	ARISE Category
Civil Engineer	Contractors
Mechanical Engineer	Designers
Electrical Engineer	Designers
Structural engineer / Construction engineer	Designers
Data analyst / Software engineer	Designers
Landscape Architect	Designers
Material Purchaser / Material Scout	Contractors
Project Manager	Contractors
Onsite Manager	Contractors
Foreperson	Contractors
Procurement Coordinator (Tenders)	Contractors
Building Owner / Operator	Clients
Project Developer	Clients
Financial Manager	Public Administration
Building Energy Consultant	Public Administration
Policy Maker	Public Administration
Public Procurement Advisor	Public Administration
Building Inspector	Public Administration
Quantity Surveyor	
Engineering Manager	

We planned on focusing initial direct market actions to controlled groups, with same or similar professional profiles, which will facilitate delivery and survey collection, with an uniformed cohort at each time.



However, part of the strategy for reaching numbers is the participation in 3rd party events, conferences, and having the survey posted online on the ARISE website and promoted on the social media channels to reach a wider number of replies.

In both the latter cases, we may have a wide selection of profiles.

Survey was design to partially to collect and identify those profiles. And, despite questions being aimed to provide focused, detailed, and specific feedback, that can help improve ARISE, the questions have been designed to not exclude nor benefit a particular profile.

2.4 Data to be Collected.

This has been designed and planned to be deployed and managed in a way that is in accordance with GDPR legislation.

WP6.2 survey was designed to collect primary source data. (Questionnaire survey answer by market actors directly)

The samples “presentation” (D6.1) and consequent material selection will stimulate market stakeholders and enable them to provide feedback.

Feedback that should be of both qualitative and quantitative data in nature.

Survey questions are design to collect both types of information, to allow ARISE to better tailor our replies and improvements to a specific audience, to their roles and needs.

Survey will also collect demographical data in relation to trial participants, eg.: name, contact, age, employment status, number, and nature of constructions project they are involved, etc...

Draft examples:



USER REGISTRATION- DATA TO BE COLLECTED.

- **Name** (identification)
- **DOB** (age average statistics)
- **Gender** (equality statistics)
- **Email** (ease of contact, verification, and further engagement purposes)
- **Mobile ***
- **Country of residence (region impact and participation statistics)**
- **Profession**
- **Status of employment**
- **Company name**
- **Role within the company** (professional profile statistics)
- **Education level** (level academic statistics)
- **Average projects involved per year** (for potential energy savings in impact extrapolation statistics)
- **Average size of projects** (for potential energy savings in impact extrapolation statistics)
- **Type of projects- residential, mixed used, new, renovations, etc...**

*optional

Quantitative info

FRAMEWORK & SKILLS QUALIFICATION AND MATURITY LEVEL

Does the Audience agree that skills propose meet their identified needs Y/N

Does the Audience recognise skills they weren't aware of and see their requirement in their respective roles Y/N

Do they see how participating in ARISE and getting this type of accreditation could upskilled them in new skills and/or allow recognition of current one as past experience, raising their employability as well as provide an advancement tool in their daily role as tasks Y/N

Would they like to participate in ARISE upskilling? Y/N

Do they agree we are proposing a framework that meets market demand for transferability and recognition of skills Y/N

TRAINING MODELS (WP5) and METHODOLOGY (WP4 & WP5)

- Does Audience agree and supports delivery method (conceptually)
- via Platform Y/N
- Online Y/N
- beyond blended Y/N
- Micro bite sized modules Y/N
- Possible Gamification aspect Y/N
- User store Y/N
- digital recognition "currency" Y/N
- Does it address their possible concerns in terms of time available and accessibility to education? Y/N
- Would they be willing to create a digital profile with personal info to be able to have their accrediting certificates recognisable and transferable (blockchain and "CERTcoin") Y/N

Qualitative info

MATRIX OF COMPETENCIES OVERALL CONCEPTS (WP2 & WP3)

FRAMEWORK OF COMPETENCIES (WP 3)

- How far are they in their digitalisation route?
- What skills do they apply now and from skills framework what skills they find useful and why?
- What skills in our framework do they already possess and would like to have “formally recognised in their possible ARISE user profile?
- What skills in our framework they do not possess and would like to have “formally recognised in their possible ARISE user profile?
- What other skills do they require and that haven’t been covered in the framework
- Do they feel the level of accreditation is too high or too low for them?
- Would they commit time and effort to assessment processes to obtain an accreditation as propose by ARISE
- Size and type of project they work on, and what is they current strategy for energy efficiency and if it is supported by digital tools and methods.
- Further comments and suggestion
- TRAINING MODELS (WP5) and METHODOLOGY (WP4 & WP5)
- If they don’t agree with type of delivery, what alternative methods and features could be added to entice and convince then to try engaging with online delivery and ARISE formats?
- Did they understand the benefits of Digitisation skills proposed by ARISE.
- Which skills and benefits will have a direct impact on their work?
- Would they you rollout ARISE project to your employees (in case user is an owner or manager). What aspects?
- Further comments and suggestions for improvement



3 Survey -Approach -Implementation- Methodology and Selection

3.1 Inception works- early intended approach:

We had formatted and compiled information for a preliminary internal discussion with Consortium partners, highlighting goals and data to be collected by survey, This, and further continuous updates, were presented during Partner Meetings in Rome, North Macedonia, Dublin, Copenhagen.

WP6 had initially considered at start of the project, to implement a soft-landing strategy throughout, with the input and information continuously provided from relevant WPs, to which our WP6 is interdependent being shown since early inception stages. So, WP6 was intended to present findings and concepts very early to market So that stakeholders would, from very early stage, contribute and provide feedback.

This could potentially have originated a cascade of suggestions and having early on a set of results and findings from market feedback (anticipating task 6.3).

But WP6 realised this would have resulted in multiple interactions with the same individuals, a high risk of replication, and potentially lead to survey fatigue.

Also, the feedback generated could be flawed. As it would be based in early trials and concepts being still under WIP stage and incomplete of ARISE deliverables and outcomes (for example regarding to the Competence Matrix, or the Units Learning Outcomes, etc...)

In June 2022, BMC used direct contact with a cohort of fourteen AEC professionals (mainly white collar-engineers and architects) that were studying in BIM Modelling and Principles.

We presented the ARISE project to them, including:

- a draft concept of the Qualifications scheme



- an early illustration of the 3.2 approach and its explanation, and how that would derive into a framework of qualification afterwards.

Cohort was asked to complete a registration form (which captured their demographic details, while respecting GDPR) and to indicate their interest in participating in further tests.

We also sought informal feedback in relation to the skills framework and how it aligned with their own profile, knowledge, role and professional ambitions.

We witnessed a lack of engagement to follow up with the registration form, although during presentation session, they seemed interested in the overall concepts, and on the informal non recorded Q&A feedback session, the general conclusion was that the overview concept seemed interesting, but it was still too conceptual for them to be able to evaluate.

Also the non-completion of the online registration form and survey, asked to be done post workshop, highlighted some of the risks and barriers involved in collecting surveys.

This resulted in WP6 further re-assessing the initial early soft landing strategy approach for the survey.

3.2 Reassessment Correction and realignment

AS reported previously in D6.1 report, the same context and decisions are applicable for work developed in 6.2, as they are interlinked. Recap as follows:

Presenting WIP concepts and deliverable to public too early, in the case of D6.1 and related D6.2 shown to be counterproductive.

For example, the early contact noted in 3.1, following informal feedback from some learners indicated a lack of follow up due to:



- Too long lead time between presentation and when they would be beneficiaries of produced results and training
- Lack of clarity and specifics in relation to the completed framework, as it was still in development.
- Natural resistance and lack of incentive to fill in Survey. It may be necessary in a future stage, to reinforce to users that survey feedback will be a prerequisite for accessing ARISE, and/or to progress to further training and receive final certificate.

So Wp6 decided to postpone and extend beyond month 17 the D6.2 deployment.

An early approach to market could have had the advantage of maximising project exposure, given the available time, enabling wider reach and high number of professionals. However, the nature of the target audience, with resistance to change, a busy workload, priority for short term benefits, and not long-time commitments, is a barrier to this approach.

As previously referred in this report, as work progressed and was being developed, especially the interlinked WPs, such as: the WP2 desktop research; the WP3 Framework of qualifications developments; and the WP5 Materials methodology, we realised that it would be preferable to present to stakeholders a more complete, defined, and holistic of ARISE scope.

This will allow them to visualise the concept of the qualification's maturity level clearly, alongside possible material and methodology of training, and how that interlinks with existing, as investigated by WP3.

It will have a more meaningful impact, with stakeholders more aware of what they are testing, and being able to provide a more informed and valid feedback on it. A more consistent vision, avoiding some early changes and iterations (common while concepts are in WIP stage) to cause confusion to recurring trial audiences, and avoid market fatigue regarding trials, and survey.



The justified delay in the production of WP3 deliverables (D3.2 and D3.3), due to their complexity reinforced this need of postponement.

However now that more detailed information on those deliverables is available, a final version of materials can be finalised, and presented in and direct market action, to obtain effective feedback. with WP6 survey.

So, a slower paced approach, with an engagement plan fully defined, presentable concepts regarding framework, and an easy deployable survey seemed to be a better one to ensure engagement and participation.

Exposure to market has been promoted by ARISE participation in a series of specialist conferences such as the BIM Coordinators Summit in Dublin.

3.3 Preproduction

A continuous revision of other WPs reporting, and coordination actions was conducted. This resulted in a constant review of D.61 and therefore adaptations of some questions in the survey.

3.4 Expected Barriers & Mitigation strategies.

3.4.1 Lack of Audience Reach and Participation.

For initial testing, we require a significant but limited (although representative) sampling, to validate results of feedback survey regarding framework. However, as our work proceeds, more audience will be required.

D6.1 report referred to mitigation strategies aimed to address possible barriers to building the required audience number, as per project objectives, and achieve tracking and engagement of AEC professional, hence hindering WP6's ability to present and test the project deliverables.



As we are launching Pilot activities, we will rely on those certain strategies previously mentioned (in D6.1 Report) to promote the trials, including:

- The use of social media channels and the ARISE website, with a landing page, available trial material, and suitable SEO setup.
- Participation in recognised and well established events will help us reach a wider audience.
- The set up, promotion, and deliver of webinars, or live workshops will entice and reach further numbers.
- Engagement with professional Bodies, Educational institutions, and other relevant agencies, requesting support and help in communication and dissemination to their members and networks, will allow ARISE awareness to grow, and to more easily invite stakeholders to participate in our trials.
- Use of pre-established networks and followers from previous H2020 projects, that are part of BIM EPA, can bring towards ARISE trials, already recurrent interested users.

3.4.2 Lack of interest and resistance to change from Audience.

The delivery of pilot trials will follow pedagogical best practices and clear communication. Contents (D6.1) and way to present them make clear about what in ARISE can relate and benefit each professional role.

This should incentivise change and address one of the known barriers: that many AEC workers are highly resistant to change (Bajpao & Misra, 2021).

We have also designed survey into sections, that can be deployed at different stages of a pilot session, so feedback is collected in an organic way. It also becomes mandatory for them to access the next part of the session.



Alemayehu et al. (2021) also highlight resistance to change along with several barriers, including lack of top management support, low awareness benefits, and staff resistance to change. Individual practitioners and organisations often required to be reminded of the need for awareness-raising and up-skilling within the AEC sector. (Georgiadou, 2019).

Therefore, our designed survey includes questions that promote self-awareness and evaluation. Focusing on what skills everyone has, which each believes to require, and then making each focus on the Matrix and learning outcomes presented, to identify the skills ARISE is offering that can be beneficial to them.

By making it personal and focused on each individual, and on its own professional needs and path, we hope to address the lack of awareness and lack of support barriers.

A deterrent of inaction, that does not comprise of a forced mandate, is the incentive of personal gains.

We will endeavour to contact and reach SMEs, and individuals at managerial roles, to explain the benefits ARISE may bring and consequently request for them to incentivise their workers to participate.

This addresses studies suggesting that any proposed change should be managed carefully from a high managerial level, following best practices to ensure effective training for everyone in the team. (Farghaly, et al., 2021).

3.4.3 Mitigating Risks-Overall Approach:

One of the reasons to delay deployment of testing, until a comprehensive and holistic package was ready, was to build momentum and maximise impact of trials interventions and actions.



Instead of several iterations, continuous and repeated testing/feedback actions, that can fatigue the stakeholders and possibly result in disengagement with the project. Hence, we have postponed / reduced number of interventions.

We design it to be comprehensive and detailed, thus improving the potential engagement with stakeholders and obtaining substantive feedback and completion of surveys. While designing the survey, WP6 considered, but not exclusively, some of the following:

Continuous Engagement Fatigue

As previously mentioned, in the designed and planned approach of survey deployment we tried to devise ways to avoid Engagement fatigue. So, we have:

Designed to Avoid Over Surveying

Survey fatigue occurs when individuals are continually asked to engage in surveys. We are seeking multiple organisations to engage in our surveys, however it important to select when the right time is to address each of them. Hence one reason for the postponing of pilot actions referred to at the start of this report.

We designed the survey to be targeted and focused. And flexible to be relevant to each user, will be able to collect standardised as same subject of data from everyone to facilitate analysis and summary of results.

Designed to Avoid Fatigue by avoiding Long Surveys.

Repeated questions, although presented in different ways, or by different groups, excessive or unnecessary questions can frustrate participants, to avoid question fatigue, we have design survey into separate distinct sections, so, when deployed will not feel to the user with excessive questions.

Also, it allows us to deploy each section separately during the course of a pilot session, again avoid a single long survey that can cause fatigue.



Survey has been designed to be meaningful and collect detailed information, but also for not to be too long and don't require too much time to complete.

Designed to reduce survey drop-outs and incompletions.

WP6 carefully have planned the deployment of the survey to not occur in the end or post pilot action/ session. But to be integrated and integral part of the presentation action itself.

Long surveys make participants tired and reduce attention, resulting in a higher rate of non-completion, reduced responses, and insights. Given that later in the project this will be required, it could make users unlikely return resulting in loss of important feedback on updates.

WP6 has been curating the information required, and designed focused, targeted questions. The questions help towards reporting, advice, and decision-making, have been included into the survey (not referring to additional demographics and profile recording queries)

Employment of other techniques were planned too, such as:

- use of skip logic -users only to answer the questions that are relevant to them.
- page breaks/sections to group similar subject and/or related subject's questions together.
- managed Participant's expectations will be given at start of the survey (e.g. indication of the time required to complete)

The survey has been designed to integrate seamlessly into workshops and training sessions to provide support to participants and encouragement.

For examples will include:

- User data collected when doing pre-register or to access training materials for the first time. This will be in accordance with GDPR regulations and stored correctly.



- Interactive feedback questions set within the workshop or conference delivery, which will not only collect feedback but engage the audience.
- feedback and survey questions could be included in such a way as to require completion before progressing to the next section or receiving of attendance.
- Questions will be targeted to specific audiences and participants.

Avoiding Disingenuous Surveys

Disingenuous response can lead to biased results and compromise the validity of the data collected.

So, the multiple choice type of question has been relegated to the section collecting mostly demographical data and personal profile data.

Then we have opened a two-way engagement, and questions allows for individual non present answers, making it non bias.

3.4 Proposed survey

A survey is ready to be deployed to collect:

- user profile details
- pre-existing skills
- recommendations of further skills that could be addressed/ added
- Feedback on the developed competence matrix

3.5 Formats chosen.

For initial file type/ technical solution to house the survey WP6 used the following:

- Online deployable Draft in MS Forms format



- Backup copy of questions in separate files (word and excel)
- Survey parts to possible to be copied to other providers, such as *Slido*, (<https://www.slido.com>), to allow interactive real time feedback during pilot actions; and/or integrated into the ARISE training platform.

MS forms selected for initial draft for reasons such as:

- Budget and investment cost savings- Belfast Met and other institutions have it already included in their office email accounts.
- ability to generate reports and graphs.
- Easiness to access and share-both within Consortium with edit privileges, but also with view only option
- Sharing via QR code or short URL link.
- Being a Mobile friendly solution

3.6 Language

Survey currently in English version. Translation to consortium regional language to be considered, depending on specific target audience, event and format, audience needs/ demands, and ARISE available resources.

3.7 preliminary (Re) testing2

We conducted another preliminary testing of the survey, during January 2023, with a small cohort of Designers in Belfast. We aimed to test the survey format itself in relation to:

- Easiness of digital deployment
- accessibility
- Readability
- Efficiency



- Time requirements

And to obtain preliminary comments in relation to the subjects previously identified in article 2.2 of present report.

Wp6 presented an ARISE overview and D6.1 samples to this specific audience of mainly designers, in Belfast. And deployed a survey draft.

It was their first contact with ARISE. We obtained valued inception data from the experience/ pilot.

This was the Survey performance record, at this second test, regarding:

Easiness of deployment and accessibility-test well. No issues on access.

in terms of readability - good initial result. There were no questions in relation to Survey question intents- They were clear to all participants.

Efficiency- It proved not to be very time consuming. On a short period of time majority of participants filled in report with relevant answers.

And in general, they understood and found informative the sample presented (D6.1), despite giving some suggestions for improvements, that WP6 will action to implemented for next pilot interaction.



4 The Focus Group

To ensure that there is a process of QA, and moderation, relevance of survey, and therefore contribute to validity of the same, it was proposed the formation of a focus group that included Associated Partners.

The task of the focus group was and will be to review current understanding and research on the issues addressed by ARISE, and to oversee and interrogate the questions with the survey. (Impacts and results)

4.1 Initial Iteration

In this initial period, within the consortium partners there was enough breadth of knowledge and expertise to oversee the first stage of survey production.

Therefore, in this first phase the focus group was comprised solely of consortium members.

Partners were updated on progress of draft survey and on proposed intended target audience.

Drafts were presented during partners meetings and made available for review in the ARISE project internal collaborative shared cloud folder.

All partners were invited to review the survey questions and suggest any changes and/or addition that could be relevant.

4.2 first evaluation

No issues, risks nor other concerns were raised by partners in relation to draft survey presented so far.

4.3 Predicted expansion.

Going forward, invitations will be sent to professional with recognised technical and market knowledge across regions, and to BIM EPA partners and other ARISE associate partners to contribute/ be part of the focus group during the upcoming



stages of trials/ pilots, in the review of the surveys and results. It may be that more than one Focus Group is formed, to help manage participation and implement their actions and inputs more efficiently.

4.4 Future actions

During upcoming market direct actions, the Focus Group(s) is invited to continuously review surveys and suggest any changes, according to market reactions, developments of their own WPs or any other valid reasons. Members of the Focus Group (s) will also be asked to peer review and moderate the survey results interpretation, when data from survey is collected and compiled into a final input of results and recommendations.



5. Ongoing & Next steps

5.1 Follow up- Pilot trials delivery and feedback.

In the upcoming months, we are deploying the *D6.1 samples of the qualification matrix* in direct market actions, with the user survey included, to collect data and feedback.

5.2 Cohorts selections

A series of focused professional cohorts will be selected as target audience for direct workshop presentation. Other partners in the consortium will put forward available cohorts in their regions. A wide reaching and more general target audience will be sought via the ARISE website, through a landing page with material presentation and link to survey.

5.3 Target audience - contacts and engagement

All partners have been researching for potential direct market candidates in their regions, to assist WP6 to pursue possible participants for the trials.

WP6 proposed to all partners to engage and divide the number of professionals for upskilling between all regions. (Further detail in relation to this was provided in D6.1)

In the project shared cloud drive consortium storage/database, a list was provided for all partners input with possible candidates, so WP6 could start collecting potential ARISE trainees.

Some examples of audience contact development can be found on D6.1 report, as both D6.1 and D6.2 are interlinked.

It referred to audience selection in: N.I (UK); ROI; PORTUGAL; and others.



6. Conclusion

Deliverable 6.2 presents a Survey Report – user's feedback on the competence matrix. It involved Pre-production and readiness for market testing of the competencies/ qualification scheme matrix (developed by WP3).

And continuous review of other WPs outcomes.

Preparation, and selection of sample materials regarding engagement with target groups for evaluation of:

- matrix of competencies
- learning outcomes
- training models
- methodology.

Survey draft(s) were written and shared for pre-production testing.

As consequence of the deliberate delay in the deployment of demo actions with market stakeholder survey (to allow more time for WP3 and WP4 and others, to develop their work into a more defined output); the survey findings (Task 6.3) cannot be published here/ yet, as originally planned.

Those findings and recommendation can/will be reported in the future. We would propose to be included as part of possibly the *D6.4-Report on workshops and upskilling actions for testing the digital tools, in their own section.*



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