

Proposal Evaluation Form

	EUROPEAN COMMISSION Horizon 2020 - Research and Innovation Framework Programme	Evaluation Summary Report - Coordination and support actions
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Call: H2020-EE-2016-CSA
Funding scheme: CSA
Proposal number: 754016
Proposal acronym: Net-UBIEP
Duration (months): 30
Proposal title: Network for Using BIM to Increase the Energy Performance
Activity: H2020-EE-2016-11-13-14-25

N.	Proposer name	Country	Total Cost	%	Grant Requested	%
1	AGENZIA NAZIONALE PER LE NUOVE TECNOLOGIE, L'ENERGIA E LO SVILUPPO ECONOMICO SOSTENIBILE	IT	146,700	14.74%	146,700	14.74%
2	CENTRO SERVIZI AZIENDALE SCARL	IT	135,907.5	13.66%	135,907.5	13.66%
3	VIAEUROPA COMPETENCE CENTRE SRO	SK	77,375	7.78%	77,375	7.78%
4	FUNDACION LABORAL DE LA CONSTRUCCION	ES	61,687.5	6.20%	61,687.5	6.20%
5	Skaitmenine statyba	LT	45,435	4.57%	45,435	4.57%
6	SVEUCILISTE U ZAGREBU GRADEVINSKI FAKULTET	HR	50,437.5	5.07%	50,437.5	5.07%
7	VILNIAUS GEDIMINO TECHNIKOS UNIVERSITETAS	LT	54,900	5.52%	54,900	5.52%
8	VIESOJI ISTAIGA					
8	STICHTING INSTITUUT VOOR STUDIE ENSTIMULERING VAN ONDERZOEK OP HETGEBIED VAN GEBOUWINSTALLATIES	NL	109,982.5	11.05%	109,982.5	11.05%
9	TALLINNA TEHNIKAULIKOOL	EE	75,075	7.55%	75,075	7.55%
10	USTAV VZDELAVANIA A SLUZIEB	SK	53,812.5	5.41%	53,812.5	5.41%
11	AGENCIA ESTATAL CONSEJO SUPERIOR DEINVESTIGACIONES CIENTIFICAS	ES	39,175	3.94%	39,175	3.94%
12	Balance & Result Organisatie Adviseurs BV	NL	61,775	6.21%	61,775	6.21%
13	Mittetulundusühing Eesti Tõmmitud Ehituse Tugirühm	EE	42,715	4.29%	42,715	4.29%
14	Elips Jadran	HR	40,047.5	4.02%	40,047.5	4.02%
	Total:		995,025		995,025	

Abstract:

The building sector is the largest consumer of energy in Europe, accounting for nearly 40% of the total consumption (EPBD 2010/31/EU). Furthermore the 2030 European Energy [COM(2014)16Final] and Energy Roadmap 2050 [COM(2011) 885 final], strongly requires more focus on the energy efficiency on housing sector. Finally, the Directive 2014/24/EU of the European Parliament and of the Council on public procurement, requires that all member states introduce electronic means to exchange information and communication in procurement procedures. For these reasons we believe that the integrated approach of the Net-UBIEP project, based on Building information Modelling, integrated with energy performance requirements, will be key to solve all the problems in a more effective and efficient manner. The project proposes BIM Qualification Models integrated with energy competences, to widespread a better comprehension of energy issues along all the value chain of building industry so that both existing and new building will have better energy performances. Public Administrations, Professionals (Engineers / Architects), Technicians (Installers / Maintainers) and Tenants will be therefore involved in the Net-UBIEP activities. The definition of the BIM Qualification Models will pass through the identification of specific energy BIM competences for each of the above target needed to implement BIM models during the whole building life cycle. During the project the "integrated" BIM Qualification Models will be validated by stakeholders thanks to the delivering of different training activities (Seminars / Classrooms Courses / E-Learning Courses) addressed to at least six BIM Professional Profiles: BIM Manager, BIM Evaluator, BIM Coordinator, BIM Expert, BIM facility manager, BIM user. Once the schemes will be validated, they will be proposed for standardization to find a broader acceptance at European and international level through regulatory organizations (CEN / ISO).

Evaluation Summary Report

Evaluation Result

Total score: 14.00 (Threshold: 10)

Form information

SCORING

Scores must be in the range 0-5.

Interpretation of the score:

- 0**– The proposal fails to address the criterion or cannot be assessed due to missing or incomplete information.
- 1**– **Poor.** The criterion is inadequately addressed, or there are serious inherent weaknesses.
- 2**– **Fair.** The proposal broadly addresses the criterion, but there are significant weaknesses.
- 3**– **Good.** The proposal addresses the criterion well, but a number of shortcomings are present.
- 4**– **Very good.** The proposal addresses the criterion very well, but a small number of shortcomings are present.
- 5**– **Excellent.** The proposal successfully addresses all relevant aspects of the criterion. Any shortcomings are minor.

Criterion 1 - Excellence

Score: **4.50** (Threshold: 3/5.00 , Weight: -)

The following aspects will be taken into account, to the extent that the proposed work corresponds to the topic description in the work programme:

Clarity and pertinence of the objectives.

Soundness of the concept, and credibility of the proposed methodology.

Quality of the proposed coordination and/or support measures.

The proposal addresses the criterion very well, but a small number of shortcomings are present.

The specific objectives of the proposal are very well formulated, where appropriate substantiated by quantitative indicators, logically composed and it has been demonstrated in a convincing manner that they are achievable with the implementation of the proposed work plan. The focus of the proposal is fully in line with the topic of the call and the elaboration of a certification scheme will have a very good potential to foster sustainability. Building professionals across the whole building value chain are defined as target groups, therefore a proper interaction between different trades and professions is guaranteed.

The proposal advocates the use of BIM for providing training to a wide range of stakeholders across the building value chain, which is fully relevant. The proposed concept is very substantially described and is clearly feasible. Overall, the idea is highly credible and concrete. The proposal adequately builds upon the results of other projects particularly related with the Build Up Skills (BUS) Initiative. How BIM will be used for training purposes is only briefly elaborated, which is a minor shortcoming.

The proposal presents a very convincing methodology, considering the specificities of the different stakeholders and a stepwise approach towards the deployment of the training. In particular, consideration about the engagement with standardizing bodies is a very relevant feature of the proposal.

The approach has an excellent geographical coverage, addressing 7 different countries.

The state of the art is very adequately described and relevant national and international projects are presented. Additionally, a clear reference to the BUS Pillar II projects in the participating countries has been made and their outcomes are clearly outlined. However, the extent to which specific outputs of these projects will be effectively used and a review of the use of BIM for training purposes have not been sufficiently highlighted.

Criterion 2 - Impact

Score: **4.50** (Threshold: 3/5.00 , Weight: -)

The following aspects will be taken into account:

The extent to which the outputs of the project would contribute to each of the expected impacts mentioned in the work programme under the relevant topic

Quality of the proposed measures to:

- exploit and disseminate the project results (including management of IPR), and to manage research data where relevant
- communicate the project activities to different target audiences

The proposal addresses the criterion very well, with only some minor shortcomings.

The proposal makes a thorough description of the expected impacts and these are very well aligned with the expected impact described in the work programme. Defined quantitative indicators are very well substantiated by credible calculations and particularly the energy savings are country specific. Furthermore a close cooperation with relevant national stakeholders is explicitly foreseen, building on the results from the BUS initiative, which has a strong potential to sustain the project results and improve the marked recognition. A minor shortcoming is that the proposal does not sufficiently address the performance gap.

The proposal has ambitious goals regarding dissemination which is excellently described; there is high coherence between the goals and the activities described. The proposal defines very well target groups, propose tailor made activities, and there is also a clear focus on measuring the dissemination impact.

Although the proposal does foresee exploitation of the results in the work plan, the strategy for joint exploitation is not sufficiently detailed. An IPR agreement is not clearly foreseen as results shall be available for free; copyright issues might only appear in case of ISO/CEN certification.

The quality of the communication measures is very good, the consortium clearly setups the evaluation criteria and mechanisms for communication of project findings, covering all the most relevant means of digital marketing, along with an exhaustive list of events.

Criterion 3 - Quality and efficiency of the implementation

Score: **5.00** (Threshold: 3/5.00 , Weight: -)

The following aspects will be taken into account:

Quality and effectiveness of the work plan, including extent to which the resources assigned to work packages are in line with their objectives and deliverables

Appropriateness of the management structures and procedures, including risk and innovation management

Complementarity of the participants and extent to which the consortium as a whole brings together the necessary expertise

Appropriateness of the allocation of tasks, ensuring that all participants have a valid role and adequate resources in the project to fulfil that role

The proposal successfully addresses all relevant aspects of the criterion, and any shortcomings are minor.

The quality and effectiveness of the work plan is excellent. The work plan is logically set-up and provides a high level of details regarding objectives, tasks, deliverables as well as the engagement of the different consortium members. The graphical representation of the work plan

is very detailed and gives an excellent insight about the interrelation of the different tasks. Deliverables are very well identified and they reflect clearly the activities defined at work package level. The presented milestones are fully adequate to assess the progress of the project.

Overall the proposed budget is fully adequate for implementing the planned activities. Requested person-months both overall and per work package are appropriate and the project has a very good cost-benefit ratio.

The management structures are very adequate and the decision making procedures are very well described although a minor shortcoming is that mechanisms for conflict resolution are not sufficiently detailed. The innovation management is generically described and there is a very good risk management plan.

There is an excellent complementary within the consortium in terms of competences. The consortium is quite large but overall there is a very appropriate coverage for what the partners propose to achieve. Overall the team has a profound expertise in the area concerned as well as the implementation of European funded projects. Furthermore, partners possess large networks which will support the sustainability of the project and its results.

All participants have clear and valid roles in the action and adequate resources to fulfill them, and there is a very good allocation of hours between partners, taking into account their responsibilities. Other costs are well justified.

Scope of the proposal

Status: **Yes**

Comments (in case the proposal is out of scope)

Not provided

Operational Capacity

Status: **Operational Capacity: Yes**

If No, please list the concerned partner(s), the reasons for the rejection, and the requested amount.

Not provided

Exceptional funding of third country participants/international organisations

A third country participant/international organisation not listed in [General Annex A to the Main Work Programme](#) may exceptionally receive funding if their participation is essential for carrying out the project (for instance due to outstanding expertise, access to unique know-how, access to research infrastructure, access to particular geographical environments, possibility to involve key partners in emerging markets, access to data, etc.). (For more information, see the [Online Manual](#))

Based on the information provided in the proposal, we consider that the following participant(s)/international organisation(s) that requested funding should exceptionally be funded:

(Please list the Name and acronym of the applicant, Reasons for exceptional funding and the Requested grant amount.)

Not provided

Based on the information provided in the proposal, we consider that the following participant(s)/international organisation(s) that requested funding should NOT be funded:

(Please list the Name and acronym of the applicant, Reasons for exceptional funding and the Requested grant amount.)

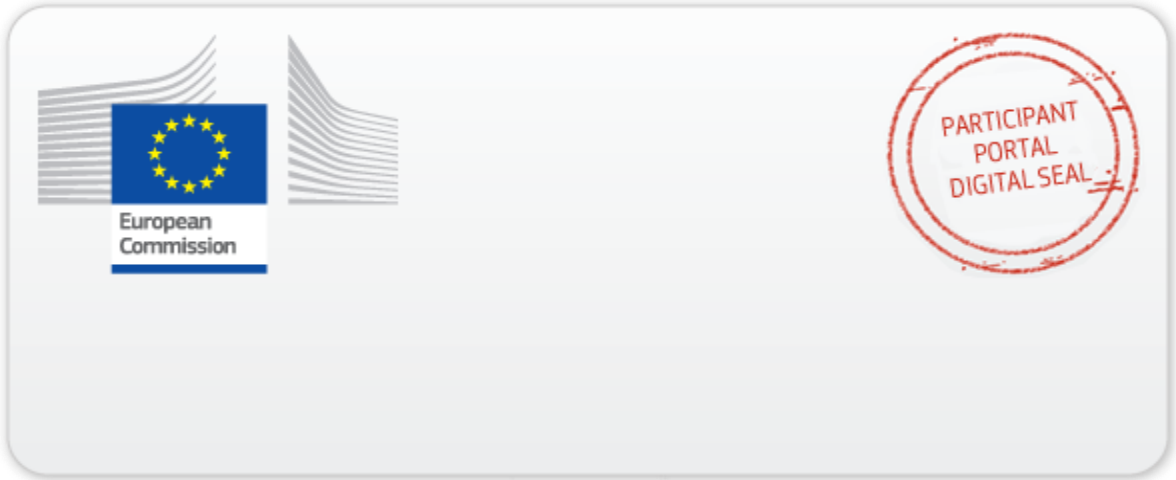
Not provided

Use of human embryonic stem cells (hESC)

Status: **No**

If yes, please state whether the use of hESC is, or is not, in your opinion, necessary to achieve the scientific objectives of the proposal and the reasons why. Alternatively, please also state if it cannot be assessed whether the use of hESC is necessary or not because of a lack of information.

Not provided



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