

INNOVER-EAST

Building a more effective pathway leading from research to innovation through cooperation between the European Union and Eastern Partnership countries in the field of energy efficiency

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Coordination and Support Action

WP1 – Survey of national state of innovation in EPCs

Deliverable D1.2 **Database of key actors in innovation** **and energy efficiency (stakeholder map by EPCs)**

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Glossary

<i>Term Abbreviation</i>	<i>Meaning</i>
EPCs	Eastern Partnership Countries of the European Union
IES	Innovative Energy Services
TRL	Technology Readiness Level

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1 Introduction

This document has been elaborated under the European Union funded INNOVER-EAST project (<http://innovereast.eu/index.php>) which targets five countries of the Eastern Partnership of the European Union (in short, EPCs: Armenia, Azerbaijan, Belarus, Georgia and Ukraine) to overcome the bottlenecks of innovation and intensify the level of cooperation between research and business in the field of energy efficiency.

The present deliverable shortly describes the database informing the reader about what the scope of this database is and how it can be used.

2 About the Innovative Energy Services interactive database

In the framework of WP1 (Survey of national state of innovation in EPCs) the Innovative Energy Services interactive database – which aims to become a focal point for both Eastern Partnership (EaP) stakeholders and INNOVER-EAST project partners interested in the field energy efficiency, innovation and developing new innovation services – has been introduced.

This database has been made available under <http://innovereast.eu/en/innover/results> and <http://www.innovereast.eu/en/innover/map>. The map section is directly linked to the database, which allows automatic updates. Keywords enriching the research results profiles make filtering available for a better user-friendliness. Furthermore the results can be filtered also by type of organisation.

INTRASOFT as the Task Leader, in close collaboration with AREA who is the leader of WP2 “Development of innovation services” and who will make extensive use of the database for work undertaken in WP2 and BZN who is technical partner, prepared the database concept (described in detail below) and submitted it for approval at the first project meeting. EaP partners already started to collect data and information on the stakeholders, following the database concept. The database is now freely available through the project portal and has two main functions: (1) general information (names, contact data, key persons, mission; main activities in energy efficiency and/or innovation, and competencies) and (2) specific information including project ideas, research results for commercialisation, partner search, etc. The database templates and records have been prepared in English as the partners agreed that available information and a larger international impact is guaranteed by using English. Nonetheless, in order to reach also the non-English speaking audience some functionality is also provided in Russian.

The aim of the database developed is to be used as an important input in other WPs (selection of targeted organisations in the pilot services, invitation to project events, dissemination activities, etc.) and the focus it has is to be not only a project tool but also a service provided freely to potential collaborators or investors in energy efficiency and innovation. In order to facilitate the usage of the database and to increase its accessibility and the promotion of knowledge already acquired it has been decided that two already existing databases would be integrated in it. The integration of these two databases (JSO-ERA database and ENVIMPACT database) on the one hand allow users to have access to pre-existing knowledge that might be of interest for them in respect to future research that they would like to undertake in the field. Furthermore it allows the presentation of organisations that have an interest in the field and would be potentially interested in future collaboration.

2.1 IES INTERACTIVE Map Datasheets

All users are invited to register their activities within the Database and the same applies to all project partners who will need to fill out 5 datasheets describing services they offer. The current section describes the datasheet and the registration fields.

2.1.1 Consortium partner in charge

Partner short name – field presenting the Consortium partners' short names in a drop down menu. Consortium partners need to fill this out when describing their services.

Number of datasheet – is processed automatically

2.1.2 Contact details

Name of organization – open field to fill out the Name of the organization this data entry refers to

Type of organization – choosing from a drop-down menu; options are:

1. Public RTD
2. Non-public RTD
3. SME
4. Large enterprise

Country of organization – choosing from a drop-down menu (Further countries can be added)

Name of contact person – open field to fill out the name of the Person

Position – open field to fill out the position of contact person

Website of organization – open field to fill out the website (Hyperlink)

Phone – phone number of contact person

E-mail – e-mail address of contact person

2.1.3 Entry

Title of entry – open field to fill out the Name of the entry e.g. Community investments in renewable or Energy monitoring and control systems, etc...

Website of the project (if relevant) – field to be filled only if the entry refers to a specific project/service and information is available online

Type of entry – choosing from a drop-down menu; options are:

1. Project ideas
2. Research results for commercialisation
3. Partner search

2.1.4 Area

Areas – choosing from a drop-down menu; options are:

1. IPR management
2. Marketing and communication strategies and practices
3. Partner search and brokerage activities
4. Innovation management
5. Information on international public funding possibilities (EU Programmes with special emphasis of Horizon 2020, etc.)
6. Financing innovation (access to risk capital and other public and private financial resources), etc.

Keywords – choosing from a drop-down menu; options are:

1. Wind
2. Solar
3. Geothermal
4. Biomass
5. Water
6. Wood & Peat
7. Gas
8. Coal
9. Oil
10. Nuclear
11. Energy Efficiency and Conservation
12. Energy Storage
13. Other

Other is an Open field.

2.1.5 End users/Beneficiaries

Choosing from a drop-down menu; options are:

1. Policy makers
2. Large companies
3. SMEs
4. Universities
5. Research centres
6. Researchers
7. Other

Other is an Open field where more options are available coma-separated, e.g. option 1, option 2, option 3.

2.1.6 Target sector

Choosing from a drop-down menu; options are:

1. Energy industry
2. Manufacturing industry
3. Construction industry
4. Buildings use and management
5. Services
6. Vehicles and transport
7. Other

Other is an Open field where free text can be added.

2.1.7 Innovation topic and achieved result

Open field to fill out – short description/abstract and the main outcomes.

Description of what the innovation in question is and its main outcomes.

For example: Energy monitoring and control systems.

XXX City has agreed on reducing its own energy consumption by 30% until 2020. The project defined XXX measures, XXX of them are addressing the large untapped energy saving potentials in municipal buildings. The implementation of energy efficiency measures would last around XX years with the current limited resources. This project aims to boost energy efficiency and renewable energy measures in public buildings.

2.1.8 Partnership

Open field to fill out – names of organizations and nationalities of the organizations involved.

To be filled out only in case if service/project/innovation is provided in collaboration with further partners.

2.1.9 Service

Open field to fill out – detailed information of the service to be provided:

1. Description of the service provide
2. The way service is provided
3. The way beneficiaries are selected
4. How long has the service been provided?
5. Results achieved

2.1.10 Information/references

Open field to fill out – in case the contributor wants to provide further information references.

2.1.11 Source of funding

Open field to fill out – the business model (i.e. who pays for the service? is the service self sustainable or public funds are required?) Name of Regional/National/EU programme

2.1.12 Information on the relevance for the project

Geographical relevance

Choosing from a drop-down menu; options are:

1. Local
2. Regional
3. National
4. Bilateral/crossborder
5. International

Socio-economic outcome

Open field to fill out – open field regarding the socioeconomic outcome.

For example: The outcome is high since it will lead to a reduction of emissions up to and also to the creation of XXX jobs.

Level of innovation – From/To

Selection – the selection has a reference to TRL (technology readiness level) using the same scale as in Horizon2020. Value is given as a range (from level x to level Y).

1. TRL 1 - basic principles observed
2. TRL 2 - technology concept formulated
3. TRL 3 - experimental proof of concept
4. TRL 4 - technology validated in lab
5. TRL 5 - technology validated in relevant environment
6. TRL 6 - technology demonstrated in relevant environment
7. TRL 7 - system prototype demonstration in operational environment
8. TRL 8 - system complete and qualified
9. TRL 9 - actual system proven in operational environment

Method of transfer of the results – two column tables (Type/Number) choosing from a drop-down menu; options are:

1. Publication
2. Book
3. Methodology
4. Study
5. Prototype
6. Presentation
7. Training
8. Conference
9. Workshop
10. Other: please specify
11. None

2.1.13 What are the 3 main lessons learnt?

Open field to fill out – open field regarding lessons learnt.

For example: Dissemination, works in two levels. The first level is to create awareness about project results at European level. The second level is to facilitate the collaboration and exchange of information between the partners and other interested parties. The dissemination activities will be not only informative, but will also be used to receive feedback from interested parties concerning the project's results.

2.2 INTERACTIVE Map View

Under <http://www.innovereast.eu/en/innover/map> the user can search the database using a graphical overview. The map section is directly linked to the database, which allows automatic updates.

Map



Figure 1: IES INTERACTIVE Database Map view

The entries of the database can be presented by selecting a country via the list or by clicking it on the map, or by selecting the organization type (public RTD, non-public RTD, SME and large enterprise) or finally by selecting a keyword.

2.3 IES INTERACTIVE Map Search

The available results/entries in the database are searchable. Keywords enriching the research results profiles make filtering available for a better user-friendliness. Furthermore the results can be filtered also by type of organisation.

By clicking on the database in the field “Title of entry” all available information provided by users can be viewed.

Keywords enriching the research results profiles make filtering available for a better user-friendliness. If more information is requested by the user by clicking on the title of the entry the full information is displayed. In this view the user can find information regarding the: i) Contact details, ii) Entry, iii) Area, iv) End users/Beneficiaries, v) Target sector, vi) Innovation topic and achieved result, vii) Partnership, viii) Service, ix) Information/references, x) Source of funding, xi) Information on the relevance for the project and finally xii) What are the 3 main lessons learnt?

Datasheets

Reset Search

◆ #	◆ Title of entry	◆ Name of organization	◆ Type of organization	◆ Name of contact person	◆ Keywords	◆ Country
<input type="text" value="Seal"/>	<input type="text" value="Search..."/>	<input type="text" value="Search..."/>	<input type="text" value="Search..."/>	<input type="text" value="Search..."/>	<input type="text" value="Search..."/>	<input type="text" value="Search..."/>
1	Air Quality Protection	University of Pannonia, Institute of Environmental Engineering	Public RTD	Zsuzsanna Radnainé Dr. Gyöngyös	Air Pollution / treatment, Air Quality Management	Hungary
2	Assuring the good quality of air in comfort spaces, principle of methodology and basic data for desi	Budapest University of Technology and Economics	Public RTD	László Kajtár	Waste Management	Hungary
3	Bio-engineering of leather: structure design, biosynthesis - Towards zero emission production (DERMA	BIMEO Testing and Research Ltd	SME	András Kocsis	Industrial Waste, Waste Management, Recycling / Recovery, Environmental Engineering / Technology	Hungary

Figure 2: Innovative Energy Services interactive database search



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For example by clicking on the entry <http://www.innovereast.eu/en/innover/profile/0/000327> the user is able to read all the information that has been provided.

3 Conclusion

This report described Deliverable 1.2 (Database of key actors in innovation and energy efficiency (stakeholder map by EPCs)) showing the different sections of the maps and the structure.

The graphical representation of the maps is clear and intuitive and allows users to have a better user experience while searching it. Additionally the database allows the user to search also via the results page thus enhancing the experience (s)he has. Through the integration of already existing databases the IES interactive database offers users and companies the opportunity to identify collaboration potentials and also already existing knowledge which can be potentially interesting for further utilisation. The more information is made available by the registered participants in the database the easier it becomes for the external users to identify the partners of interest to them and to initiate contacts.

In addition, the built-in collaborative tool offers the unique feature of interactivity inside the database. The administrator of the database can launch a discussion on a topic of interest where all registered users can participate and write posts using their email addresses as user names. In case of further interest users can continue their discussions in private if they find common grounds and interest for further cooperation. This feature also allows discussions and Q&A on training material compiled and uploaded to the database by the project.