

ENERJ web platform

WP3 – Testing | Activity 3.4 | D 3.4.1



Project co-financed by the European
Regional Development Fund

Projet cofinancé par le Fonds
européen de développement régional

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WP 3 - Testing

Activity 3.4 - ENERJ web platform implementation

Deliverables 3.4.1 - ENERJ web platform

History of the document

Version	Status	Date
	Final	June 28, 2019

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Introduction

The ENERJ web platform is a geographic database of energy data about local public buildings in the partner member territories also including a section reserved to the energy efficiency measures adopted by the municipalities within the SEAPs.

The ENERJ web platform will help partners define the JA at a local level, offering an easy access to the energy characteristics of public buildings and the EE actions foreseen by SEAPs.

The web platform offers to the Joint Actions coordinators a useful tool for the development of scenarios and the assessment of the impact of the implemented joint actions.

The ENERJ web platform is designed to help local authorities and enterprises to be aware of the energy characteristics of the local public buildings, and of the actions that local authorities have committed to undertake, such as those included in their Sustainable Energy Action Plans (SEAPs).

The web platform gives access to two geographic databases:

- database of the energy characteristics of public buildings,
- database of the energy retrofit actions contained in the SEAPs.

The main menu of the platform is multilingual, available in all the languages of the partners but technical information will only be inserted in English.

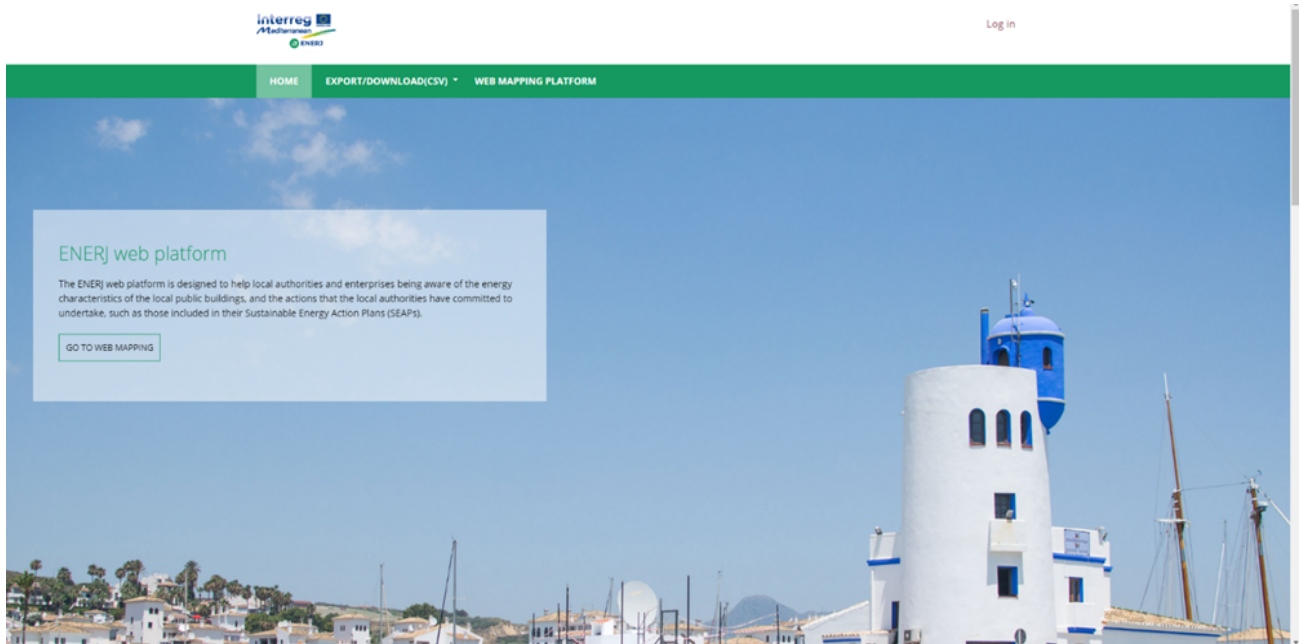
Data set from buildings and SEAPs can be downloaded in CSV format.

A manual on the main functions of the platform has been made available to the partners.

The ENERJ web platform is one of the subjects of the training course material and will be presented during the training days where it will be explained how to fill in the data on buildings and SEAPs and how to use the platform.

1. Accessing the platform

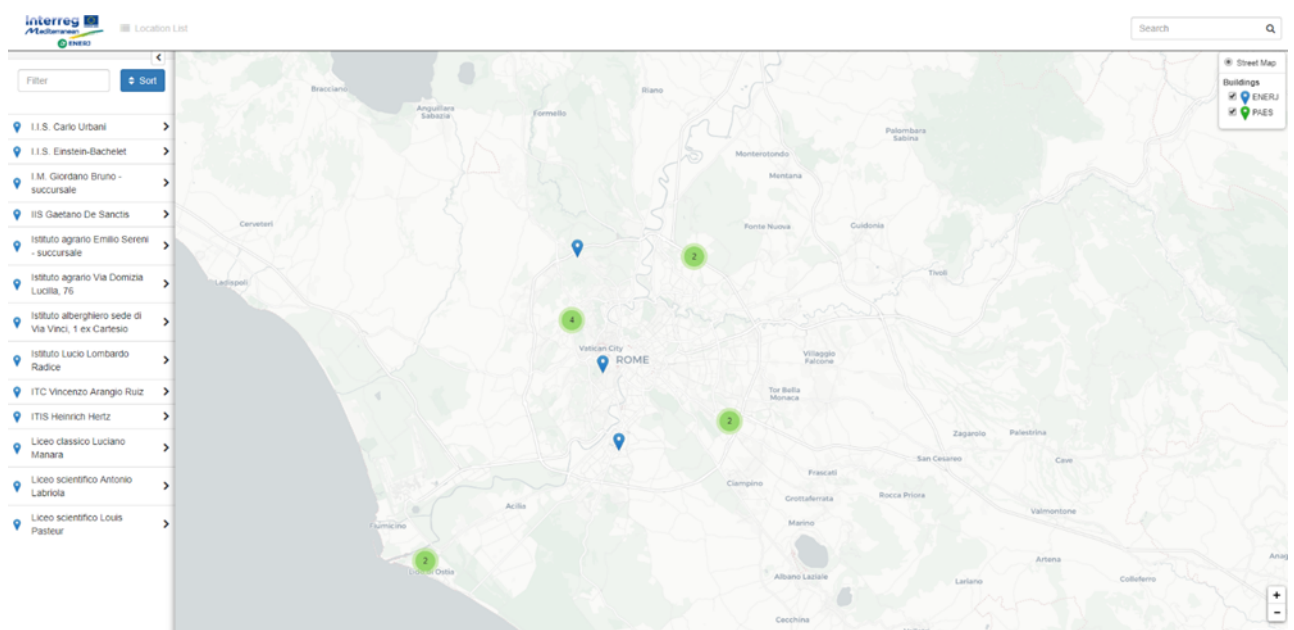
The platform can be accessed at the address www.enerj-platform.eu.



Home page

The homepage gives generic information on the platform and the ENERJ project, and links the project partners' institutional home pages.

By clicking on "WEB MAPPING PLATFORM" in the main menu, any user can access the mapping platform and freely explore and view the data records on a map. The mapping platform will open in a new tab.



Web mapping

2. Types of users

Any user can freely view the platform data, with no need for registration.

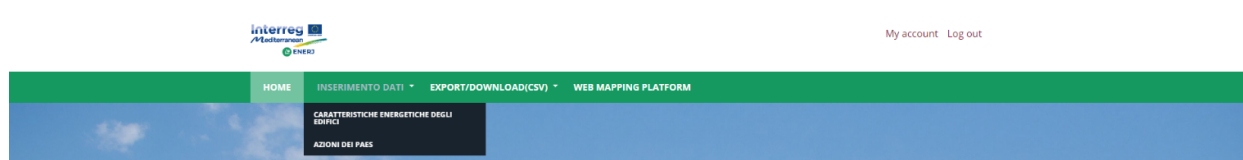
Partners' users, such as local authorities' civil servants, can access to data input functions after logging in with their own accounts.

All partners can also ask (by sending an email to the address progettoenerj@cittametropolitanaroma.gov.it) to activate a specific municipality account, to let them directly enter the data on their buildings and SEAPs.

Partners logging in

To log in the platform, click "Log in" in the upper right side of the page. A log in page will open. After logging in, a new menu item ("DATA INPUT") will appear to access the data input sections. The two sub-items refer to the two available databases:

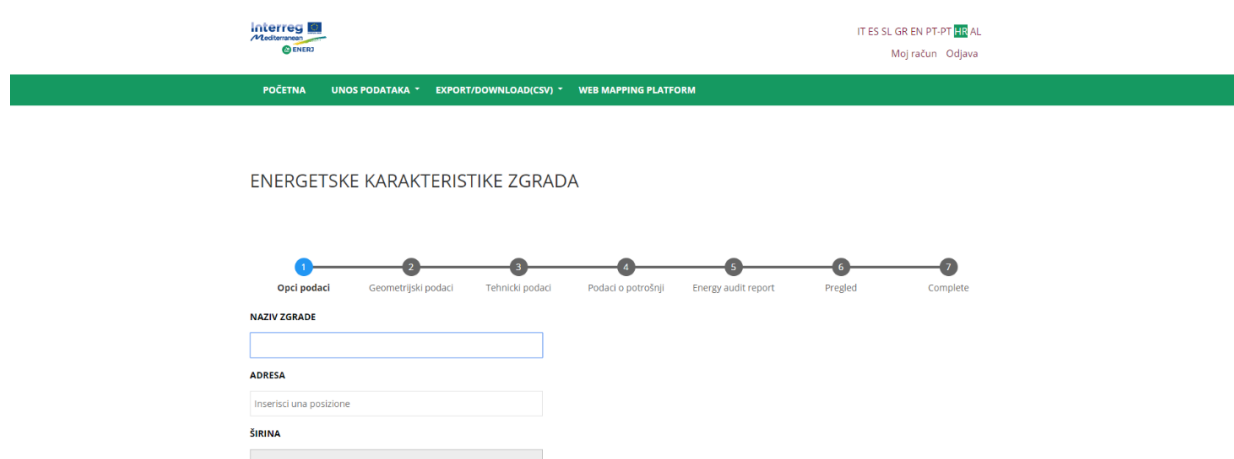
- energy characteristics of public buildings,
- energy retrofit actions contained in the SEAPs.



Menu bar after logging in.

Choosing languages

After entering one of the data input sections, a language selection menu will appear on the upper right side of the page. After choosing the language, the data field names will be shown accordingly.



3. Energy characteristics of buildings

The “Energy characteristics of buildings” database contains technical information on the single buildings.

It must be populated through several steps.

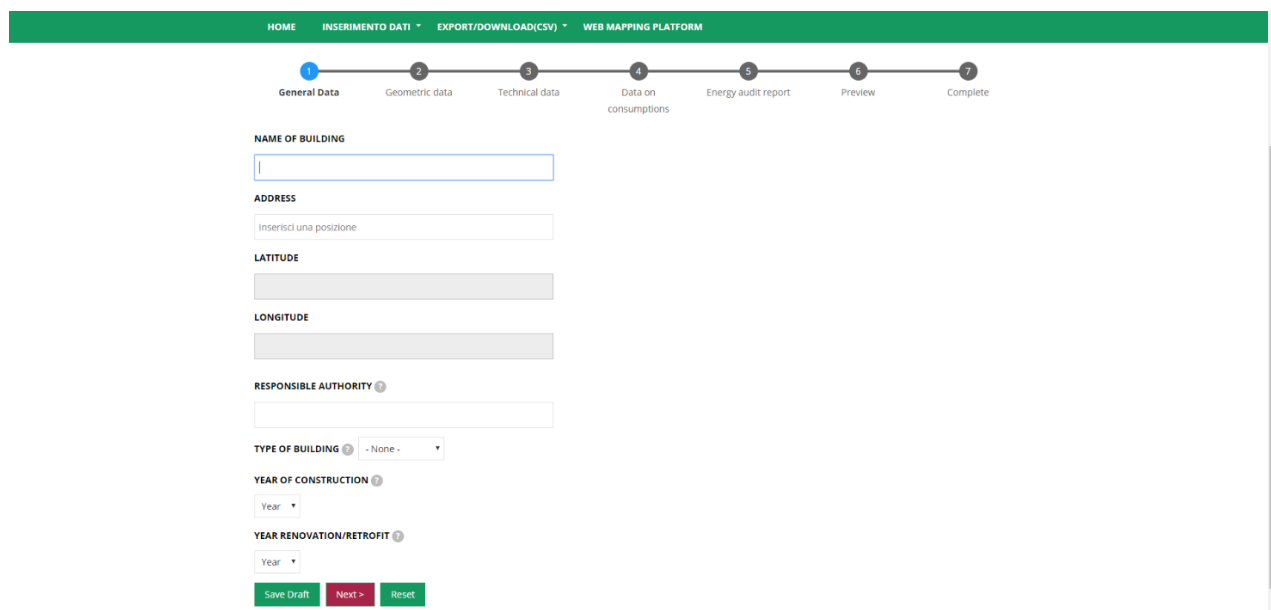
“NAME OF BUILDING” and “ADDRESS” are mandatory fields. An auto-fill function is available for the address field. After entering the address and street number, the latitude and longitude fields will be populated automatically. This is a geographic database; therefore, the address is essential to locate each data record in its right position.

Some of the fields are free-text fields; some others have drop-down menus with items to select. To input data not included among the pre-set items, in most cases just select “other” and an additional, free-text field will appear.

At the end of each step, clicking on “Next” is needed to go to the following step.

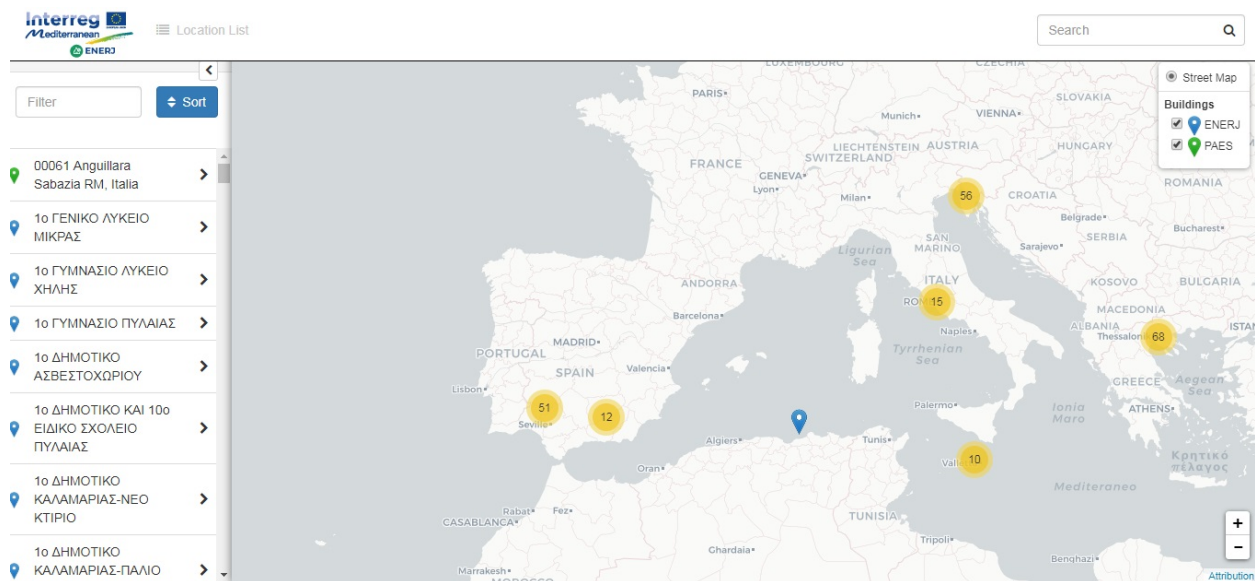
After completing the “Energy audit report” step, clicking on “Preview” will show the data just entered. Clicking “Apply” will save the record.

At any step, by clicking on “Save draft” saves the data entered.



First data input page for “Energy characteristics of buildings”.

4. SEAPs actions



The “SEAP actions” database contains information on the actions of the Sustainable Energy Action Plans of local authorities, in particular those concerning public buildings.

The screenshot shows the 'SEAP ACTIONS' data entry form. At the top, there is a green navigation bar with links: HOME, DATA INPUT, EXPORT/DOWNLOAD(CSV), and WEB MAPPING PLATFORM. Below the navigation bar, the title 'SEAP ACTIONS' is displayed. A 'NOTE' section explains that each data entry form concerns a single action for energy efficiency of buildings. A progress bar at the top indicates two steps: '1 DATA ELEMENTS' and '2 Complete'. The form fields include 'ADDRESS' (with a placeholder 'Inserisci una posizione'), 'LATITUDE', and 'LONGITUDE'. The 'ADDRESS' field is highlighted with a red border, indicating it is a mandatory field.

“ADDRESS” is a mandatory field. An auto-fill function is available. After entering the address and street number, the latitude and longitude fields will be populated automatically.

This is a geographic database; therefore, the address is essential to locate each data record in its right position.

If the SEAP action that are about to be entered concerns more than one building, it is possible to enter only the name of the city.

HOME DATA INPUT EXPORT/DOWNLOAD(CSV) WEB MAPPING PLATFORM

► Instructions for entering the address

TYPE OF BUILDINGS ? - None -

NUMBER OF BUILDINGS INVOLVED ?

Presence of energy audit/analysis ?

Y N PARTIAL

AREA OF INTERVENTION (ENERGY EFFICIENCY MEASURES) ? - None -

AREA OF INTERVENTION (RENEWABLE ENERGY PRODUCTION MEASURES) ? - None -

RESPONSIBLE AUTHORITY ?

DESCRIPTION OF THE ACTION ?

“PRESENCE OF ENERGY AUDIT/ANALYSIS”: the “Y” and “N” buttons are suitable only if an energy audit is or is not available for all the buildings. If energy audits are available only for some of the buildings, “PARTIAL” button is to be selected.

“AREA OF INTERVENTION (ENERGY EFFICIENCY MEASURES)” and “AREA OF INTERVENTION (RENEWABLE ENERGY PRODUCTION MEASURES)”: these fields are about the type of measure planned for the buildings in the energy efficiency and energy production sectors. If the measure concerns more than one area of intervention for each building and/or the areas of intervention differ from building to building within the same measure, please choose “Integrated actions/varies”.

HOME DATA INPUT EXPORT/DOWNLOAD(CSV) WEB MAPPING PLATFORM

ENERGY CONSUMPTION REDUCTION GOAL (MWH/YEAR) ?

RENEWABLE ENERGY PRODUCTION GOAL (MWH/YEAR) ?

EXPECTED/ACTUAL START DATE ? gg/mm/aaaa

EXPECTED/ACTUAL END DATE ? gg/mm/aaaa

STATUS OF IMPLEMENTATION ? - None -

EXPECTED COSTS AS PER ACTION PLAN ?

COSTS SPENT SO FAR (€) ?

FUNDING SOURCE ? - None -

UPLOAD SEAP

Scegli file Nessun file selezionato

Submit

“UPLOAD SEAP”: SEAPs file can be uploaded and will be freely downloadable from the web mapping platform.

5. Export data

Databases can be downloaded. By clicking on "EXPORT/DOWNLOAD (CSV)" from the main menu two sub-items will appear:

- ALL EXPORT/DOWNLOAD. By clicking on this item, a list of the records entered by all users will appear. It is possible to view the details of all the records.
- USER EXPORT/DOWNLOAD. By clicking on this item, the system will show only the records entered by each partner.


HOMEEXPORT/DOWNLOAD(CSV) WEB MAPPING PLATFORM

Export/download

PARTNER	ADDRESS	LONGITUDE	LATITUDE	RESPONSIBLE AUTHORITY	TYPE OF BUILDING	OPERATION
ENERJ-IT	Via Walter Procaccini, 70, 00173 Comune di Roma RM, Italia	12.584236400000009	41.84941490000001	Città Metropolitana di Roma Capitale	school	View
ENERJ-HR	Ul. Otokara Keršovanija 14, 52440, Poreč, Hrvatska	13.597002999999972	45.2276208	Predškolska ustanova dječjih vrtića i jaslica „RADOST“	kindergarten	View
ENERJ-PT	Av. Calouste Gulbenkian 10, 7370-054 Campo Maior, Portugal	-7.067178600000034	39.015316	Município de Campo Maior	other	View
ENERJ-AL	Tirana, Albania	19.818698199999997	41.3275459			View
ENERJ-IT	Via Pasquale II, 237, 00168 Comune di Roma RM, Italia	12.408879999999954	41.90934	Città Metropolitana di Roma Capitale	school	View
ENERJ-IT	Via Capo Sperone, 50, 00122 Lido di Ostia	12.3884664	41.7410376	Città Metropolitana di	school	View

By clicking on the last push-button "DOWLOAD" it is possible to download the database in CSV format.

HOME	DATA INPUT	EXPORT/DOWNLOAD(CSV)	WEB MAPPING PLATFORM			
ENERJ-HR	Matteo Benussi 6	13.64.06.77	45.08.08.26	Istrian Region	healthcare	View
ENERJ-HR	Ulica Edoarda Pascalia, Umag, Hrvatska	13.523856900000055	45.4320806	Istrian Region	healthcare	View
ENERJ-HR	Ulica Jurja Dobrile 1, Pazin, Hrvatska	13.940517900000032	45.2389894	Istrian Region	healthcare	View
ENERJ-HR	Ulica Jurja Dobrile 1, Pazin, Hrvatska	13.940517900000032	45.2389894	Istrian Region	healthcare	View
ENERJ-HR	Epulonova ulica 18, Pula, Hrvatska	13.850473999999963	44.870378799999999	Istrian Region (City of Pula)	other	View
ENERJ-HR						View
FLAVIO	Roma RM, Italia	12.496365500000024	41.9027835			View
ENERJ-SL	Koper, Slovenija	13.730187699999987	45.548058999999999			View

[Download](#) 

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[My account](#)

[Log out](#)

Conclusion

The ENERJ web platform is an important tool for achieving the objectives of the project. To be operational at its fullest potential it has to be fed with data on local public buildings and SEAPs by the greatest number of municipalities, not only the project partners. A database containing this information can be very useful in planning wider interventions of the single municipalities, creating the conditions to activate collaborations between several local authorities and attract the attention of private operators who will be able to find useful information to evaluate proposals and offers.

Currently, hundreds of buildings have already been included in the platform by the partners. Given that this web tool will remain active for at least five years after the end of the project, the goal is to help municipalities to enter their data on buildings and SEAPs, facilitating the creation of joint actions between municipalities and with private investors, contributing to the financing and the implementation of energy efficiency interventions in the public sector.

The training course foreseen by the project (now in progress) and addressed to energy managers and municipal administrators will be a good opportunity to present the web platform and encourage their use by the municipalities.