

Joint Actions for Energy Efficiency

ENERJ Platforms and other tools, what can they do?

The examples of ENERJ and SISMA

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The ENERJ platform

The ENERJ platform is in line with the main objective of the project: making the most of the collaboration among local authorities in order to reach a “critical mass” of marketable buildings in terms of energy retrofit.



The ENERJ platform

Each project partner involved a number of local authorities belonging to the same province in order to set up a first core, inter-municipal dataset of:

- energy characteristics of public buildings
- actions of the SEAPs related to the energy retrofit of public buildings



The ENERJ platform

Objectives of the platform:

- accompanying the process of stakeholder involvement
- stimulating local authorities to collect data on the public building stock and the SEAP actions, by providing a simple data collection template
- offering a geographic view of the energy characteristics of buildings and the energy retrofit actions contained in the SEAPS
- offering local authorities a tool for a quick analysis of the energy retrofit needs of their own building stocks, and those of their neighbours, in order to identify potentials for joint actions
- offering private companies, such as ESCOs, an overview of the public building stock at supra-municipal level in order to identify investment potentials
- contributing to the monitoring and implementation of the actions contained in the SEAPs

The ENERJ platform

The accuracy, completeness and type of data available varies from country to country and even from municipality to municipality. This makes sometimes difficult a consistent analysis of the inter-municipal building stock.

The datasets have been set up after a long period of discussion and fine-tuning among partners belonging to different climates, building traditions and regulations. The result is a necessary compromise in terms of level of detail.



The ENERJ platform

The building dataset contains the following types of data:

- general data such as name of building and location
- geometric data such as surface and volume
- technical data such as type of windows and type of heating
- data on energy consumptions
- data on the energy audit report, if any



The ENERJ platform

The SEAP dataset contains the following types of data:

- geographic location of the municipality
- number of buildings involved in the action
- type of planned intervention
- energy consumption reduction goal
- expected start/end date, and status of implementation
- expected budget



The ENERJ Focus Group

- All the partners have organized 4 focus group meetings.
- The main objective of the focus groups was to join a group of relevant entities and stakeholders of the territory that can contribute to the definition of the joint actions.
- The data sets on the platform will be used to build J.A. and to make information available to identify the buildings on which E.E. interventions will be performed, both for the associated municipalities and for private investors (ESCO).



The ENERJ Training courses

- Training course foreseen by the project and addressed to energy managers and municipal administrators they have been made during the last part of the project.
- Part of the courses were dedicated to present the platform and to inform about the use of functionalities.
- The courses have been a good opportunity to present the web platform and encourage their use by the municipalities.



The ENERJ platform

Partner have been provided personal accounts and invited to provide data to feed the platform.

The platform will be maintained even after the end of the project.

Any interested municipality belonging to the project areas will be welcome to provide data in order to make the platform as complete and effective as possible.



Home page

log in for
registered
users



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Log in

IT ES SL GR **EN** PT-PT HR AL

HOME

EXPORT/DOWNLOAD(CSV)

WEB MAPPING PLATFORM

download
section
(download
available upon
login)

link to
geographic
platform

language
selection

Types of users and creation of accounts

- Any user can access the platform and view the geographic data without need to log in
- Registered, institutional users can input data after login
- To activate an account, prospective users should contact the regional project partner, who will send a request to CMRC after verifying user's identity. CMRC will provide user name and password

Access to platform

- URL: www.enerj-platform.eu
- By clicking on “WEB MAPPING PLATFORM” in main menu, any user can access the map viewer and view the geographic information

Web mapping application



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Interreg Mediterranean ENERJ Location List

Search

Filter Sort

- I.I.S. Carlo Urbani
- I.I.S. Einstein-Bachelet
- I.M. Giordano Bruno - succursale
- IIS Gaetano De Sanctis
- Istituto agrario Emilio Sereni - succursale
- Istituto agrario Via Domizia Lucilla, 76
- Istituto alberghiero sede di Via Vinci, 1 ex Cartesio
- Istituto Lucio Lombardo Radice
- ITC Vincenzo Arangio Ruiz
- ITIS Heinrich Hertz
- Liceo classico Luciano Manara
- Liceo scientifico Antonio Labriola
- Liceo scientifico Louis Pasteur

click on record to view data

click on record to view data

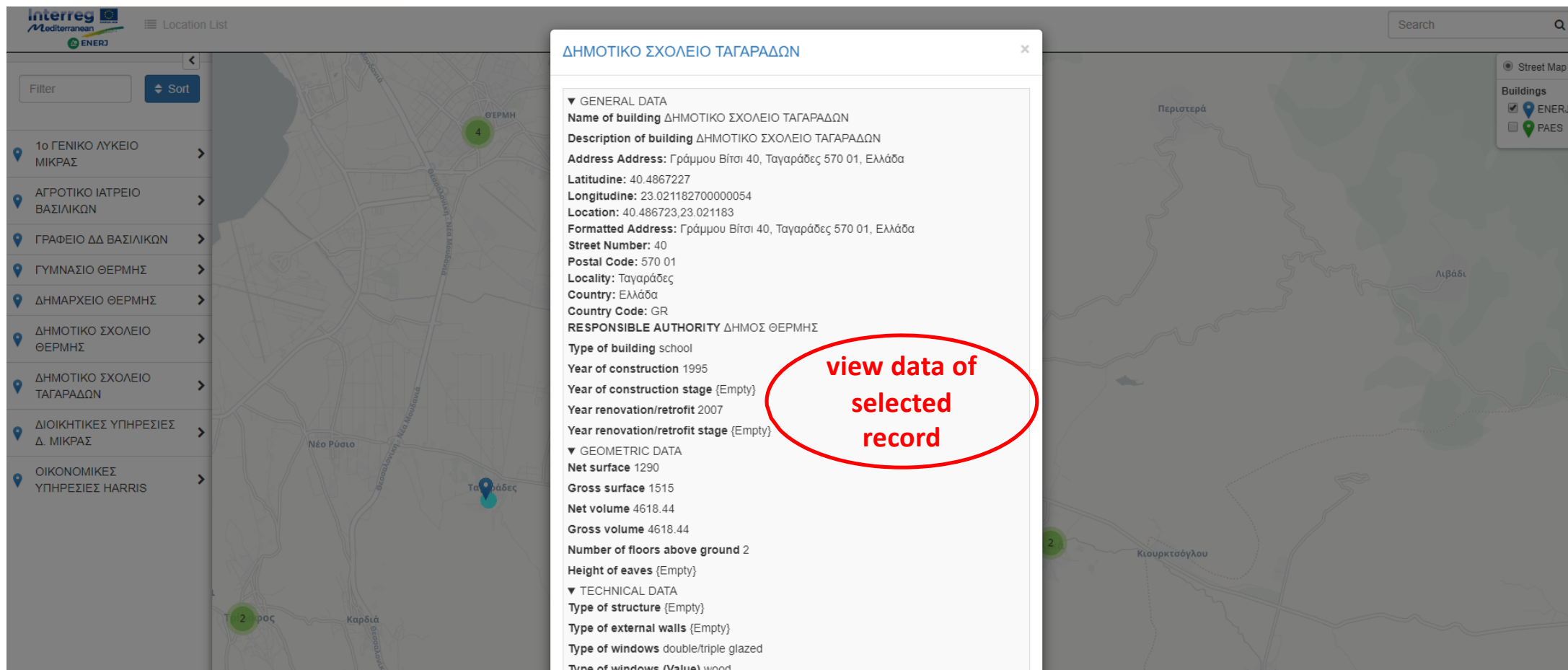
select dataset (buildings/SE APs)

Street Map

Buildings

- ☒ ENERJ
- ☒ PAES

Web mapping application



ΔΗΜΟΤΙΚΟ ΣΧΟΛΕΙΟ ΤΑΓΑΡΑΔΩΝ

▼ GENERAL DATA

Name of building ΔΗΜΟΤΙΚΟ ΣΧΟΛΕΙΟ ΤΑΓΑΡΑΔΩΝ

Description of building ΔΗΜΟΤΙΚΟ ΣΧΟΛΕΙΟ ΤΑΓΑΡΑΔΩΝ

Address Address: Γράμμου Βίτσι 40, Ταγαράδες 570 01, Ελλάδα

Latitude: 40.4867227

Longitude: 23.021182700000054

Location: 40.486723,23.021183

Formatted Address: Γράμμου Βίτσι 40, Ταγαράδες 570 01, Ελλάδα

Street Number: 40

Postal Code: 570 01

Locality: Ταγαράδες

Country: Ελλάδα

Country Code: GR

RESPONSIBLE AUTHORITY ΔΗΜΟΣ ΘΕΡΜΗΣ

Type of building school

Year of construction 1995

Year of construction stage {Empty}

Year renovation/retrofit 2007

Year renovation/retrofit stage {Empty}

▼ GEOMETRIC DATA

Net surface 1290

Gross surface 1515

Net volume 4618.44

Gross volume 4618.44

Number of floors above ground 2

Height of eaves {Empty}

▼ TECHNICAL DATA

Type of structure {Empty}

Type of external walls {Empty}

Type of windows double/triple glazed

Type of windows (Value) wood

view data of selected record

- Click “Log in” in Home page
- After logging in, main menu will show additional item (“DATA INPUT”).

The two submenu items refer to the two available datasets:

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

Language selection

language
selection

- The language selection menu allows to select the language for the data input fields and instructions.



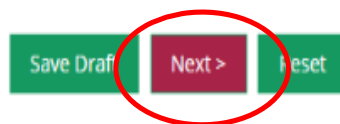
Buildings dataset



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- The “Energy characteristic of buildings” dataset contains technical information on the single buildings
- “NAME OF BUILDING” and “ADDRESS” are mandatory fields. The auto-fill function can recognize address and street number
- After input of address and street number, the “LATITUDE” and “LONGITUDE” fields will be filled in automatically. The system can automatically locate the position of the building
- After each step, click “Next” to access following step



NAME OF BUILDING

ΑΓΡΟΤΙΚΟ ΙΑΤΡΕΙΟ ΒΑΣΙΛΙΚΩΝ

DESCRIPTION OF BUILDING ?

ΑΓΡΟΤΙΚΟ ΙΑΤΡΕΙΟ ΒΑΣΙΛΙΚΩΝ

► Instructions for entering the address

ADDRESS

Vasilika 570 06, Grecia

LATITUDE

40.4800238

LONGITUDE

23.138470299999994

PAES dataset



- The “SEAP” dataset contains information on the actions included in the Sustainable Energy Action Plans of the local authorities, with particular reference to those related to the energy retrofit of public buildings
- “ADDRESS” is a mandatory field. An auto-fill function is also available here
- After input of address and street number, the “LATITUDE” and “LONGITUDE” fields will be filled in automatically.
- If the SEAP action concerns more than one building, it is possible to insert only the name of the town

ADRESË

Tirana, Albania

GJERËSI

41.3275459

GJATËSI

19.818698199999997

ALTERNATIVE ADDRESS

► Instructions for entering the address

TIPI I NDËRTESE ? - Asgjë - ▼

NUMRI I NDËRTESAVE TË PËRFSHIRA ?

Downloading data

- Click on “EXPORT/DOWNLOAD (CSV)” in the main menu. A submenu will appear:
- “ALL EXPORT/DOWNLOAD”: a list showing the data inserted by all users will appear . Other users’ input cannot be modified
- “USER EXPORT/DOWNLOAD”: a list will appear showing only the data inserted by the current user, who can download, modify or delete them

Export/download (PARTNER)

PARTNER	ADDRESS	LONGITUDE	LATITUDE	RESPONSIBLE AUTHORITY	TYPE OF BUILDING	OPERATION
ENERJ-GR	Βασιλικά 570 06, Ελλάδα	23.138470299999994	40.4800238	ΔΗΜΟΣ ΘΕΡΜΗΣ	healthcare	Edit ▼
ENERJ-GR	Βασιλικά 570 06, Ελλάδα	23.138470299999994	40.4800238	ΔΗΜΟΣ ΘΕΡΜΗΣ	administrative	Edit ▼
ENERJ-GR	Δημοκρατίας 1, Θέρμη 570 01, Ελλάδα	23.019249299999956	40.5461782	ΔΗΜΟΣ ΘΕΡΜΗΣ	administrative	Edit ▼
ENERJ-GR	Τρίλοφος 575 00, Ελλάδα	22.969825200000006	40.4679306	ΔΗΜΟΣ ΘΕΡΜΗΣ	administrative	Edit ▼
ENERJ-GR	Γράμμου Βίται 40, Ταγαράδες 570 01, Ελλάδα	23.021182700000054	40.4867227	ΔΗΜΟΣ ΘΕΡΜΗΣ	school	Edit ▼
ENERJ-GR	Μανδρίτσα 2, Θέρμη 570 01, Ελλάδα	23.023109299999987	40.5457705	ΔΗΜΟΣ ΘΕΡΜΗΣ	school	Edit ▼

Thanks for your attention



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