

"Energy Data" Questionnaire

This questionnaire should be filled in anonymously. It aims at collecting information on "energy related data" and it is designed for local stakeholders (not for project partners).

CitiEnGov project partners should act as a bridge for the collection of answers (from public authorities, business support organisations, consultants, advisors, researchers...), in order to have a comprehensive and realistic framework, independent from personal contacts.

The concept of "Energy data" include whatever data about:

- energy production and distribution
- energy estimated needs and performances
- energy real consumption

These data may have different levels of spatial and temporal resolutions, e.g.

- energy consumption at census block level, updated every month
- energy performance at district level, updated every year

Energy data may refer to buildings, transport and public lighting.

Questions have been organized in 5 sections:

- 1) general section (type of organisation, role)
- 2) projects (aware of projects with focus on energy data)
- 3) geographic data (aware of the INSPIRE Directive on geographic data)
- 4) energy data (problems and opportunities related to the use of energy data)
- 5) priority issues

*Required



1. **Type of organisation ***

Mark only one oval.

- Local Public Authority
- Regional/National Public Authority
- public utilities company
- private company
- freelance professional/consultant
- Research Institute/University
- Other: _____

2. Role within the organisation *

Mark only one oval.

- Technician
- Management role
- Administrative role
- Researcher
- Other: _____

Projects

3. Is your organisation managing projects in the field of energy related data useful for energy planning and management? *

Mark only one oval.

- Yes
- No

4. If yes, what is the reference level?

Mark only one oval.

- individual buildings / group of buildings
- neighborhood / city
- province or region
- country

5. Are you aware of these projects? *

Nota di lavoro: questa è una lista di progetti che hanno relazione con il tema "dati energetici", portati avanti da organizzazioni del territorio emiliano-romagnolo. Nel caso di altri partner CitiEnGov occorre modificare questa lista con progetti analoghi ma locali rispetto ai partner.
Mark only one oval per row.

	high level of awareness	only by name	no
RES H/C SPREAD - http://www.res-hc-spread.eu/	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
CITIENGOV - http://www.interreg-central.eu/Content.Node/CitiEnGov.html	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
SUNSHINE - http://www.sunshineproject.eu/	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
SAVE@WORK - https://www.saveatwork.eu/	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
BUILDINTEREST - http://buildinterest-project.eu/	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ACCENT - http://www.accentproject.com/	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
DATA4ACTION - http://data4action.eu/	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
MESHARTILITY - http://www.meshartility.eu/it/	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
LEMON - http://www.progettolemon.it/	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
SUSREG - http://susreg.eu/	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ABRACADABRA - http://www.abracadabra-project.eu/	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

6. Could you name other projects with a focus on energy related data?

Geographic Data

7. **Have you ever heard of INSPIRE? ***

Mark only one oval per row.

	I know it very well	I know it in general terms	no
Directive	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Regulations	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Technical specifications	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

8. **In your opinion, what are the benefits of the proper implementation of INSPIRE Directive? ***

Tick all that apply.

- enhanced availability of data
- enhanced quality of data
- shared and clear semantics
- Data access through standard services
- Real interoperability of data and geographic services
- More transparency
- Other: _____

9. **In your opinion, what are local public authorities doing to adapt to INSPIRE directive? ***

Tick all that apply.

- Nothing
- Metadata compilation
- Publication of data through standard services (i.e. WMS, WFS)
- Data harmonization following technical specifications
- Definition of memorandum for data exchange and publication
- Other: _____

Energy Data

10. In your opinion, which energy data are relevant for a proper territorial planning? *

NOTE: this question is mainly focused on "energy data" related to buildings.

Mark only one oval per row.

	a lot	few
Energy need	<input type="radio"/>	<input type="radio"/>
Renewable energy production	<input type="radio"/>	<input type="radio"/>
Consumptions (gas, electric, TLR)	<input type="radio"/>	<input type="radio"/>
Equivalent emissions	<input type="radio"/>	<input type="radio"/>
Occupants' behaviour	<input type="radio"/>	<input type="radio"/>
Physical characteristics of buildings (volume, height, use, materials, ...)	<input type="radio"/>	<input type="radio"/>
Heating systems, cooling, DHW, lighting	<input type="radio"/>	<input type="radio"/>

11.

What is the level of (g)eographic and (t)emporal detail of data availability? *

Mark only one oval per row.

	Yes	No
(g) Individual dwelling/unit	<input type="radio"/>	<input type="radio"/>
(g) Individual building	<input type="radio"/>	<input type="radio"/>
(g) group of buildings (census block)	<input type="radio"/>	<input type="radio"/>
(g) neighborhood	<input type="radio"/>	<input type="radio"/>
(g) city	<input type="radio"/>	<input type="radio"/>
(t) annual	<input type="radio"/>	<input type="radio"/>
(t) monthly	<input type="radio"/>	<input type="radio"/>
(t) daily	<input type="radio"/>	<input type="radio"/>
(t) hourly	<input type="radio"/>	<input type="radio"/>

12.

Do you know these acronyms? *

NOTE: These acronyms are examples of datasets containing information about energy data, related to Emilia-Romagna Region and Italian context.

Mark only one oval per row.

	Yes	No
SACE	<input type="radio"/>	<input type="radio"/>
SIATEL	<input type="radio"/>	<input type="radio"/>
TARES	<input type="radio"/>	<input type="radio"/>
DBTR	<input type="radio"/>	<input type="radio"/>
CRITER	<input type="radio"/>	<input type="radio"/>
ISTAT	<input type="radio"/>	<input type="radio"/>
ACI	<input type="radio"/>	<input type="radio"/>
GSE	<input type="radio"/>	<input type="radio"/>
ANPR	<input type="radio"/>	<input type="radio"/>

13. **What are the main problems related to energy data? ***

Mark only one oval per row.

	True	False
No problem, everything works (!)	<input type="radio"/>	<input type="radio"/>
We don't know which kind of data are available, their use and management	<input type="radio"/>	<input type="radio"/>
Few availability of data on buildings characteristics	<input type="radio"/>	<input type="radio"/>
Few availability of data on needs	<input type="radio"/>	<input type="radio"/>
Few availability of data on real consumptions	<input type="radio"/>	<input type="radio"/>
Data licenses are missing or unclear	<input type="radio"/>	<input type="radio"/>
Data are available but they are not compliant to standards	<input type="radio"/>	<input type="radio"/>
Data are lacking geographical references (e.g. addresses)	<input type="radio"/>	<input type="radio"/>
Data owners and custodians are not aware about public data policies (e.g. PSI)	<input type="radio"/>	<input type="radio"/>
There is a strong need to improve professional education related to "data"	<input type="radio"/>	<input type="radio"/>

Which priorities CitiEnGov should focus on?

Priorities are grouped into 2 main categories:

A) Data and interoperability: technical and no-technical issues related to data interoperability and integration focused on buildings, transports, energy production/needs/consumption...

B) Energy planning and projects: issues related to the use of data for energy planning/design/management of the territory, at different level

14. **Data and interoperability ***

Mark only one oval.

- Standard, data models, technical specifications, formats...
- Quality, semantics, data meaning...
- Information systems, software, interoperable services ...
- Legislation, rules, regulations, memorandum of understanding, governance, ...
- Open data, re-use, licenses, sharing ...
- Development of knowledge on energy data and the use of analysis tools
- Other: _____

15. Energy Planning and projects *

Mark only one oval.

- SEAPs/SECAPs and other energy plans at municipal level
- Regional Energy Plan, Energy Observatory
- Information needs, sources, reporting and analysis tools
- Awareness raising and communication actions, sharing of projects
- Roles and partnerships between public and private
- Knowledge development for energy planning
- Other: _____

Thank you!
