

HIGHLIGHTS

- Peer Learning Activities
- Joint Exchange
- EVENT: The Observatories for Energy and GHG, a strong support to the Covenant of Mayors for Climate and Energy

newsDATAACTION

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DAT4ACTION: The Data Sharing Challenge

A major challenge in climate change mitigation is the timely access to robust energy data that can underpin local and regional sustainable energy policies and plans. The challenge demands a collaborative solution. The key gate-keepers of energy data include:

1. Public Authorities, they are major consumers of energy;
2. Energy Planning Facilitators, including Regional Energy Observatories; and
3. Energy Data Providers, including major energy producers, Transmission System Operators (TSOs) and Distribution System Operators (DSOs).

There are no obligations within most EU and national legislative frameworks for TSOs and DSOs to provide local energy data to public authorities at sub-national level. As a result, data exchange is only implemented on a voluntary basis. However, Public Authorities, including provincial authorities supporting municipalities and the municipalities themselves, need easier access to energy data.

Case Study: Data Sharing — Several European DSOs such as ENEL Distribution in Italy, ERDF in France, and EON in Czech Republic are already sharing territorial energy data for sustainable energy planning with municipalities. This is being achieved on a voluntary basis and the DSOs have expressed a strong need for a better definition of their roles in this regard. In France, the sharing of territorial energy data for sustainable energy planning is embedded in energy transition legislation.



Data4Action: Summarising Regional Energy Agencies Peer Learning Activities

Several Regional Energy Agencies [[EnergiKontor Norr](#), [IRE Liguria](#), [Ente Vasco de la Energia y Ihobe](#), [Rhônâlpénergîe-Environnement](#) and [Hauts-de-France](#) (formerly Nord-Pas de Calais)] have already successfully implemented energy observatory structures within existing organisations with strong links with public authorities.

They have shared their knowledge and experience with learning organisations (energy facilitators) during the course of Data4action through peer learning activities. Peer learning activities were organized based on a detailed analysis of each organisation's needs and experiences in areas such as partnership management, energy data management and communication. The document can be read in full [here](#).

ACTIONS IN DATA4ACTION / Joint Exchange

Joint Exchange: Metropolitan City of Torino and the Province of Treviso



The Metropolitan City of Torino and the Province of Treviso shared their experience in developing solutions for energy management of public buildings reaching economic and energy savings. Both partners involved (the Metropolitan City of Torino and the Province of Treviso) can be considered as experienced partner, even though they seem to have a complementary experience.

The Metropolitan City of Torino, as Covenant of Mayors Territorial Coordinator, is

strongly engaged in giving technical assistance to municipalities that want to have a SEAP. Thanks to DATA4ACTION project, the partner has further developed the role of energy observatory, while, as lead partner of the 2020Together IEE project, it has faced the experience of introducing Energy Performance Contracts – EPC - for the energy refurbishment of public buildings. The Province of Treviso is a local authority, part of Veneto Region and located in the north-east side of Italy. It is also strongly committed in giving technical assistance to municipalities as Covenant of Mayors Territorial Coordinator. Since 1999 they started a program to update the energy management of Secondary Schools building estates, 100 buildings.



New steps in replicating ANERGO energy observatory: ALEA and AEEPM experience transfer



ALEA and AEEPM are two energy agencies and energy facilitators established in Romania through the Intelligent Energy Europe programme of the European Union. ALEA and AEEPM have participated together in several IEE projects and other energy efficiency initiatives.

As foreseen in the IEE project DATA4ACTION – in which ALEA is national partner for Romania – the agency started the processes of replicating ANERGO energy observatory

(established in June 2015) for Alba region, to a new region in Romania. Following an open call and a selection process based on performance indicators provided by DATA4ACTION project, the selected joint exchange partner was The AEEPM – national partner in the IEE MESHARTILITY project for Romania. At the core of the experience transfer there is an action plan called “Bilateral Learning Plan” which was signed by both ALEA and AEEPM and will steer the process of knowledge transfer and support for the new activities to be conducted by the beneficiary partner – AEEPM. The action plan has a structure that defines the main steps of this process for which it is also providing a timeframe.



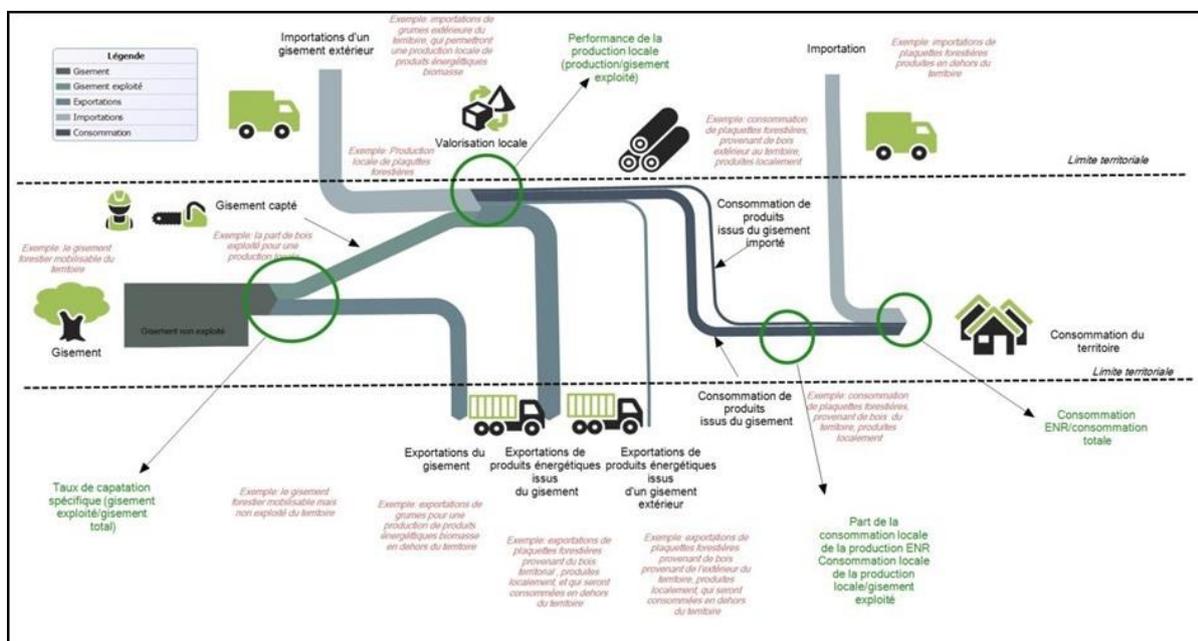
Cooperation between Rhôneénergie-Environnement and SPL Energies Reunion



Rhôneénergie-Environnement (RAEE) is the regional energy agency of Auvergne-Rhône-Alpes, in charge of the energy and GHG observatory at regional level. RAEE has developed a set of indicators to monitor regional and local SEAPs, but these indicators are numerous and need to be revised to better fit new needs (land planning approaches).

SPL Energies Reunion is a public local company, in the French overseas province Ile de La Reunion in the Indian Ocean, being operator of the regional energy observatory for 10 years. The regional observatory is in charge of the monitoring of the Regional SEAP based on a set of indicators to be revised. SPL Energies Reunion is member of the RARE network federating regional energy agency and detailed exchanges between

observatories have taken place in the framework. RAEE and SPL Energies Reunion have agreed to work together on the issue of energy indicators in the framework of the DATA4ACTION project. The concept of the cooperation is outlined in the diagram below.



All territories directly or indirectly involved in the energy transition, to develop, implement, monitor and evaluate territorial development, need to rely on accurate data on energy consumption, energy production and GHG emissions.

If many data are currently made available by regional energy and GHG observatories, the challenge to identify a set of global indicators, responding to different objectives of regional and local actors, remains. Indeed, beyond final energy consumption data by sector, energy, usage, or energy carrier, stakeholders want to have meaningful indicators and to apprehend the concepts of:

- Local resource mobilisation and sharing of renewable energy
- Energy autonomy territories
- Impact on the local economy

ACTIONS IN EU

EU Building Stock Observatory



The European Commission has launched a new database on the EU's building stock to monitor the energy performance of buildings across Europe. The database – called the [EU Building Stock Observatory](#) – provides information on buildings' characteristics including their construction period, energy use, and onsite renewable energy and renovation rates.

The Observatory tracks energy performance levels in buildings in individual EU countries and the EU as a whole; different energy certification schemes and how they are implemented; and energy poverty levels across the EU.

The new Observatory has been launched alongside a package of measures designed to speed-up the EU's clean energy transition. The package, launched on 30 November, contained a proposal for a new Energy Performance of Buildings Directive.

The move aims to encourage the use of innovative and smart technologies to ensure that buildings operate efficiently and aims to boost renovation rates – which currently stand at just 1% of the total building stock.

The buildings sector accounts for 40% of Europe's energy consumption, and some two-thirds of European buildings were built before energy performance standards even existed.

The EU Building Stock Observatory monitors the energy performance of buildings across Europe. It assesses improvements in the energy efficiency of buildings and how this impacts the actual energy consumption of the buildings sector overall.

The Observatory tracks many different aspects including:

- energy efficiency levels in buildings in individual EU countries and the EU as a whole
- different certification schemes and how they are implemented
- financing available for renovating buildings
- energy poverty levels across the EU

The Observatory contains a [database](#), a [data mapper](#) and [factsheets](#)

To support new signatories of the new commitments of the Covenant of Mayors for Climate & Energy, launched in October 2015, the Covenant of Mayors reporting framework has been revamped.

The new reporting framework and guidance released in July 2016 are the result of a consultative process with practitioners from local and regional authorities and other key stakeholders led by the Covenant of Mayors and Mayors Adapt Offices. The Sustainable Energy and Climate Action Plan (SECAP) Template now enables signatories to report on their 2030 mitigation targets and actions as well as on climate adaptation. It offers a set of graphical displays to help signatories to better capture, visualise, and evaluate their performance over time.

For the time being the SECAP Template is available only in an Excel format. The objective is to provide new signatories with a working version of the future online template that will be developed in the near future and should be available in 2017

The Covenant online reporting platform remains the official mean for submitting Action Plans and monitoring reports in the frame of the initiative.

Local authorities committed to the 2020 Covenant of Mayors commitments will continue using the online platform as before. Signatories to the Covenant of Mayors for Climate & Energy can use the current online platform to report on climate mitigation for 2030. As soon as the online SECAP template has been developed in 2017 full reporting on both climate mitigation and adaptation will be available through the online platform.

- [Download the SECAP template \(Excel format\)](#)
- [Download "The Covenant of Mayors for Climate and Energy Reporting Guidelines"](#)
- [Visit the FAQs for more information](#)

WEBINAR Data4Action, ENERGe-Watch & Covenant of Mayors Webinar: Future Development of Climate, Energy & GhG Observatories

Data4Action, ENERGe-Watch & Covenant of Mayors Webinar — Future Development of Climate, Energy & GhG Observatories.

Data4Action project in collaboration with the Covenant of Mayors Office recently hosted a webinar which provided a unique opportunity for participants to listen to, and partake, in discussion in relation to one of the Covenant of Mayors latest developments in Climate and Energy. The experience of several regional Greenhouse Gas (GhG) observatories, as well as the potential to apply this experience at local level was discussed. This was followed by a brainstorming on the orientation and future development for Energy and GhG Observatories.

Follow the webinar from [link](#)



EVENT: Conference DATA4ACTION: Observatories for Energy and GHG, a strong support to the Covenant of Mayors for Climate and Energy in Bordeaux, on the 26th of January 2017

Regional and local public authorities design, implement and monitor Sustainable Energy and Climate Action Plans (SECAPs). The Covenant of Mayors initiative provides support at each stage of this process. However, the success of these tasks as well as the improvement of the SECAPs can be guaranteed only through the availability of energy and GHG data. Ensuring the regular exchange of data between the stakeholders of the energy transition is the challenge at hand. The Conference

will propose:

- A discussion between energy data providers on how to develop more advanced data collaboration models between municipalities / regions and data providers.
- A showcasing of structured data exchanges and of examples on how this data is used for the development and monitoring of sustainable Energy and Climate action plans.

[Programme & Registration](#)