



OREGES Rhône-Alpes

Regional Observatory for Energy a GHG Emissions [FR]

OREGES on behalf of
Rhônalénergie-
Environnement
18 rue Gabriel Péri
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Villeurbanne

Key Achievements

- Regional energy balance
- Indicators and monitoring of the regional energy policies (SRCAE, ERDF Funds)
- Availability of territorial Energy-Climate profile for more than 300 territories (communities, provinces, regional natural parks...)
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- Sankey flowchart, at regional and territorial levels

Integrated approach with air quality observatory

Context & Rationale

Created in 2002, OREGES Rhône-Alpes was set up in response to the desire to make available, on a regional and territorial basis, a relevant observation and information tool to members of the general public, local authorities and players in the world of energy.

Its steering committee is co-chaired by the State and the Region, and is financed by the regional Council of Rhône-Alpes and the ADEME (French environment and energy management agency).

The work is conducted by two technical organizations: Rhônalénergie-Environnement since 2002 and AIR Rhône-Alpes since 2009.

The OREGES was involved in the elaboration of the regional plan for air quality, climate change and energy (SRCAE), co-designed by the regional council and the regional representation of the national state, and officially approved in April 2014. The OREGES is in charge of monitoring the impacts of this regional plan.

Description

The observatory is monitoring:

Dec.2015

1. **Final energy consumption and GHG emissions** (energetic and non-energetic GHG emissions, including CH4 emissions from the agriculture sector) at local level.

To calculate energy consumption and GHG emissions, the OREGES relies on a modelling, based on official public statistics (national census...), public energy data and on data provided by partners through a collaboration model (TSO, DSO...). The OREGES calculates consumption by sector of activity, by energy products and by usage, with the year 1990 as baseline, and years 2000 to 2012. The OREGES always recalculates previous years with methodological changes with the current version, to ensure comparability between years.

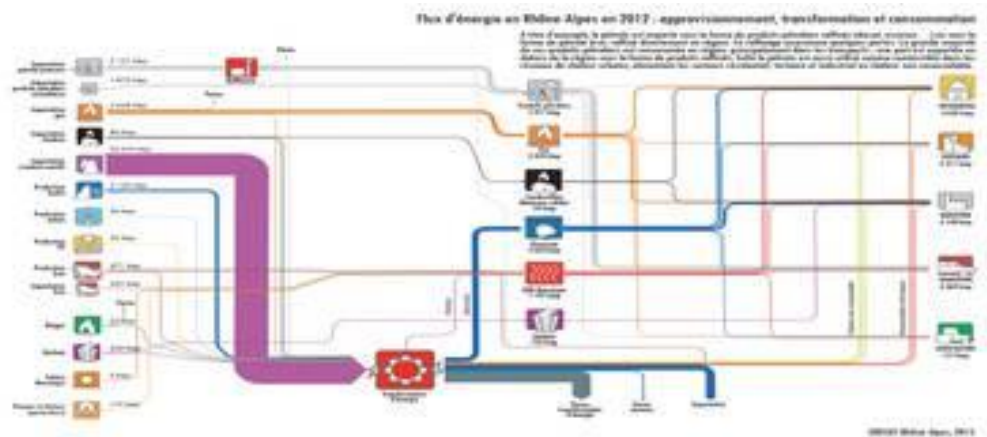
Indirect emissions due to the consumption of goods produced outside the territory are not monitored.

2. **Energy production** (mainly from renewable sources).

To calculate energy production, the OREGES relies on various censuses by local and regional energy agency, on public data and data provided by partners. It gives an estimation of production at local level.

Main Results

The objectives are:



- To gather and produce information at the regional level on the different constituents of energy production and consumption and GHG emissions.
- To ensure consistence of the information between regional and national levels.
- To ensure a follow-up of knowledge through the use of tools and indicators to assess the impact of policies & measures.
- To carry out specific studies (including prospective studies) on local energy resources, needs and consumption and their determiners.
- To be a platform for exchanges of information related to energy and GHG and to facilitate the dissemination of information.

Energy balances and GHG inventories are used as inputs for defining the regional policy on energy and climate change. Reports include identification of renewable energy sources. They are published on a yearly basis and are available free of charge on the

observatory's website. Data is available at communal level as far as technically and legally possible (there are some confidentiality issues).

Lesson Learned & Success Factor

A new, innovative approach, has been developed in the coming year to overcome difficulties due the commercial sensitivity issues. For each calculated data, level of commercial sensitivity is assessed. Partners of the observatory have defined some specific rules to ensure no commercial-sensitive data can be extrapolated and determined with all the other data disseminated through the website.

Implementing Structure & Partners - Governance

The observatory's governance scheme includes a steering committee, a technical structure (the regional energy agency – RAEE, and the Air quality monitoring association – Air Rhône-Alpes), a finance board with representatives of the State (ADEME) and the Region. It is co-chaired by the State (Direction Régionale de l'Environnement, de l'Aménagement et du Logement - DREAL) and the Rhône-Alpes Region. The steering committee includes representatives of regional energy stakeholders as well as economic and social sectors.

Those involved with the observatory meet regularly to discuss current topics relating to OREGES:

- Reliability of data and ways to improve it
- integration of new real data,
- new ways of visualizing the energy situation of territories

These exchanges allow a shared vision of the situation concerning energy consumption, production and emissions of greenhouse gases in Rhône-Alpes to gradually be created. This vision is build up from data shared by all players, within the scope of a data exchange agreement.

Local authorities have also recently got involved in this process.

Technical Structure

The technical structure is composed by two operators, RAEE (regional energy and environment agency) and AIR Rhône-Alpes (air quality control agency). Until late 2012, RAEE was the only technical structure of the OREGES Rhône-Alpes, while AIR Rhône-Alpes worked closely with OREGES Rhône-Alpes since 2009.

The missions of the two operators in the OREGES are organized as follows:

The production of regional energy balance (energy consumption, and emissions of greenhouse gases) is the joint responsibility of the two operators, according to the principles set out below:

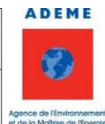
- RAEE is responsible for the implementation and facilitation of partnership system, allowing the collection of local data
- AIR RA performs the modelling of energy consumption and greenhouse gas emissions on the basis of jointly defined methodologies, and consistent with national recommendations
- RAEE performs the modelling of energy production, consistent with national recommendations
- RAEE is in charge of the exploitation and analysis of data produced
- The two operators identify areas for improvement and offer to partners.

Other activities of OREGES (animation, secretariat, website management, formalizing partnerships, editing documents, links to the national level) are provided by RAEE.

Financing and Costs / Time Frame

- Annual budget is 140 k€, co-financed by Regional Council and ADEME (French National Agency for Environment and Energy Management).
Human resources dedicated to the observatory: 1 Full Time Equivalent.
- The observatory exists since 2002

Contacts & Links



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