

Energy observatory in Rhône-Alpes and DATA4ACTION project

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Agenda

- ▶ RAEE, the energy and environment regional agency
- ▶ OREGES Rhône-Alpes
- ▶ DATA4ACTION project



DATA4ACTION



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Rhône-Alpes region



- 3 large metropolitan areas
 - Lyon
 - Grenoble
 - St Etienne



- More than 6 000 000 inhabitants
- 44 000 km²
- 2 879 municipalities



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RHONALPENERGIE-ENVIRONNEMENT (RAEE)



- ▶ **Legal status:**
 - ▶ Non-profit association created in 1978
 - ▶ About 25 employees, based in Lyon
 - ▶ About 80 members involved in renewable energies and environmental subjects (public authorities, associations,..)

- ▶ **Key Objective:**

Promote, inform and support local policies and projects lead by:

 - ▶ Public authorities: Regional Council, Local district councils, Municipalities
 - ▶ Local authorities in social housing, health sector, ..
 - ▶ Companies in the framework of a territorial approach (Regional Natural Parks, Farmers associations,..)

- ▶ **Financing:**
 - ▶ Regional council, other public bodies, members, EU projects



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RAEE - Services and Focus areas



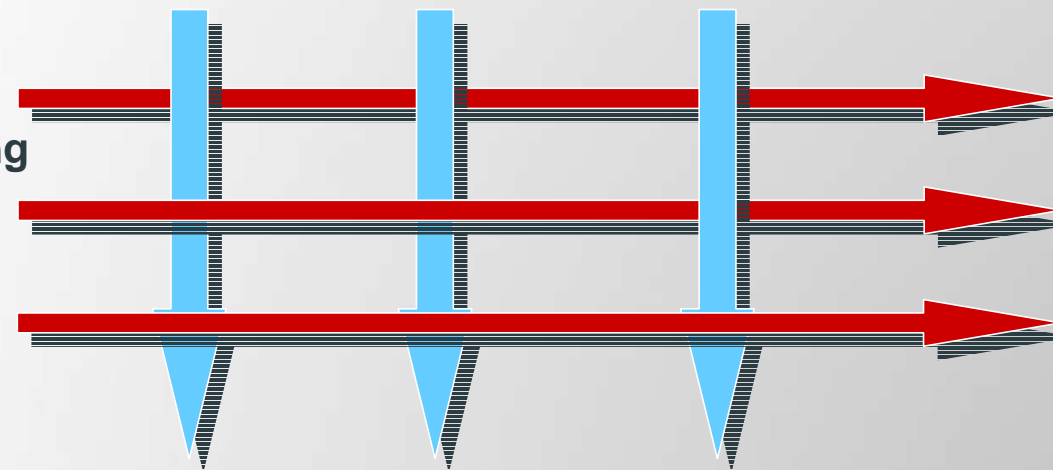
Energy Efficiency Renewables

Sustainable Development

Communication and resource center

Accompanying contracting authorities

Accompanying programs and policies at territory level



Dissemination tools

Sustainable Energy Projects

Sustainable Energy Action Plans



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Created in 2002, with the following missions

- ▶ **To gather and produce information** at the regional level on the different constituents of the production / energy consumption and GHG emissions [...].
- ▶ **To ensure the link and the coherence** of the information between the regional and the national level.
- ▶ **To set up a follow-up of this knowledge with tools and indicators** that allow to assess the impact of the policies implemented.
- ▶ **To start specific studies**, including **prospectives**, on local energy resources, needs and consumption determiners.
- ▶ **To be a platform for exchanges** on all information regarding energy and greenhouse gases and to implement the dissemination of information.



2002-2008

Energy balances
at regional and
district level

Few local data
provided by
observatory members

2009-2014

Energy balances
at municipal level

Detailed (and
confidential) data
provided by
observatory members



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How this development has been possible?

- ▶ **#1 : Use of a model** developed in collaboration with the air quality association
 - ▶ Provides data on energy consumption, GHG and air pollutants emissions at local level
 - ▶ Based on:
 - ▶ Statistical data (number, characteristics of buildings)
 - ▶ Multiplied by energy consumption or emissions factors
 - ▶ Comparison of results with real data provided by observatory members
- ▶ **#2: Detailed (confidential) data are provided by energy observatory members**
 - ▶ Need of this data is proven
 - ▶ Confidentiality rules are respected
 - ▶ Members are involved in the dissemination process



How this development has been possible?



▶ #3 : Members of the observatory are involved in the process

- ▶ Regional energy agency and regional air quality association : ensure figures on GHG and pollutants emissions are consistent
- ▶ Universities : ensure the quality of modelisation
- ▶ Energy data providers : ensure the quality of produced data
- ▶ Region, National State and the French Environmental and Energy Management Agency : promote the results as « reference data »
 - ▶ OREGES model has been used to elaborate the scenarios of the regional SEAP.

▶ #4: big development have been made on tools to automatize the process

- ▶ Not only calculation process (model)
- ▶ But as well generation of data on a local territory in various formats (pdf report, excel files, etc...)



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Main productions (www.oreges.rhonealpes.fr)



At regional level

Key figures



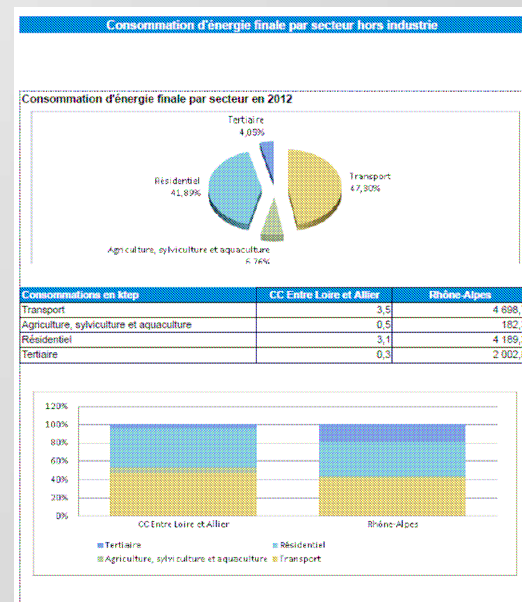
Detailed report



50 Regional SEAP indicator reports

At local level

More than 300 40-page reports (local energy balances)



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Some key issues for the coming year

- ▶ Regional data
 - ▶ Update and improve sankey analysis
 - ▶ Better analyse the evolution of energy consumption
- ▶ Local data
 - ▶ Automatisation of the confidentiality analysis:
 - ▶ Make sure detailed data given on a local territory respect the confidentiality rules (namely for industry energy consumption)
 - ▶ Improve energy production data at local level
 - ▶ Present the energy balance in euro
 - ▶ Data collection from the local territories



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Context

- ▶ RAEE's willingness to share experiences on regional energy observatories at european level
 - ▶ CLIMACTRegions project www.climactregions.eu
 - ▶ 2010-2012, Interreg IVC project
 - ▶ Collection of good practices
 - ▶ Set up the ENERGeE Watch network (European network of Regional GHG and Energy Watch) <http://www.energee-watch.eu/> in 2012
 - ▶ Writing of the DATA4ACTION proposal (www.data4action.eu)



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Data4Action objectives and partners

- ▶ **Improve** public authorities' access to energy data for a better design and monitoring of SEAPs;
- ▶ **Mobilize** public authorities and energy data providers in a win-win partnership;
- ▶ **Facilitate** their collaboration through establishing or further developing regional energy Observatories;
- ▶ **Demonstrate** energy data exchange collaboration models 'in action' in the twelve European partner regions;
- ▶ **Support** knowledge transfer and replication in other European regions.

	RhôneAlpÉnergie-Environnement - FR
	Kent County Council - UK
	Energetická Agentura Zlínského Kraje - CZ
	Infrastrutture Recupero Energia IRE SpA - IT
	Conseil Régional Nord-Pas de Calais - FR
	IHOBE/Ente Vasco de la Energia - ES
	Provincia di Torino - IT
	Energy Agency of Plovdiv - BG
	Norrbottnens Energikontor - SE
	Carlow Kilkenny Energy Agency - IE
	Energy Environment Local Development SA - EL
	Agentia Locala a Energiei Alba - RO
	FEDARENE - BE



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DATAACTION

Thank you for your attention

- ▶ More information
- ▶ www.oreges.rhonealpes.fr
- ▶ www.data4action.eu

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