

Energy and Environmental Observatory of Lombardia Region – SiReNa20 [IT]

SiReNa20 managed by
Infrastrutture
Lombarde SpA - Energy
Department
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Context & Rationale

Thanks to DATA4ACTION exchange activities, IRE SpA has started to collaborate with the Energy Department of Infrastrutture Lombarde SpA - ILSpA, an in-house company developed to provide technical and administrative support to Lombardia Region in several fields of action like new infrastructures and strategic projects on energy and sustainable development.

In particular, the Energy and Environment Department of ILSpA deals with all the activities aimed at the **development and implementation of regional energy policies** and is in charge of the existing **Energy and Environmental Observatory of Lombardia Region- SiReNa**.

The key challenge that IRE and ILSpA would like to address is to improve the coordination and coherence among the existing energy databases through the exchange of experiences and comparison of the different models for the monitoring of energy consumptions at regional and local level (like Regional Energy Balance, Database of Energy Performance Certificates, data for monitoring Regional Burden Sharing..)

Description – SiReNA20

The Energy and Environmental Observatory of Lombardia Region- SiReNa was created in 2007 to monitor energy consumption, production and emissions across the region, since they are crucial for the environmental competitiveness and sustainability.

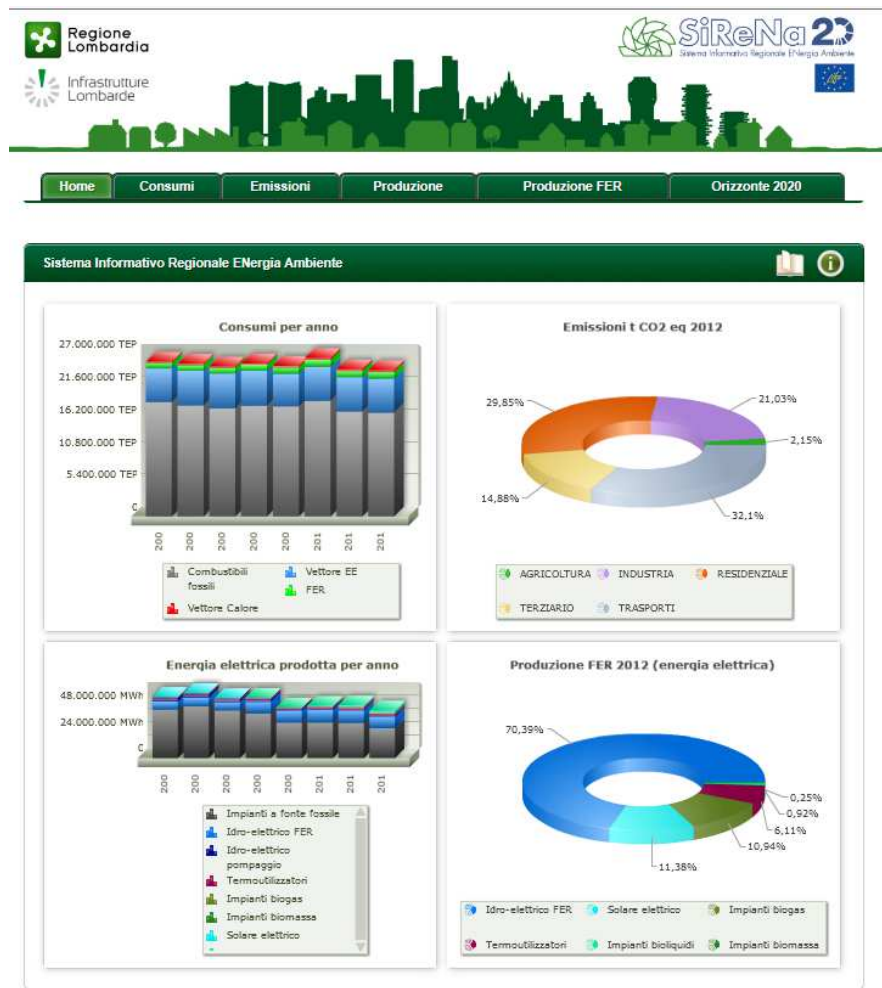
Thanks to the contribution of the Energy Commission SiReNa was upgraded becoming **SiReNa20**: it's a public online system is able to manage and analyse **energy data**, at regional, provincial and municipal level.

Nowadays SiReNa20 allows to monitor the Regional objectives on Renewable Energy Sources, Energy efficiency and GHG emissions reduction and to provide future scenarios in order to support the Region in the best effective choices towards the 2020 targets.

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The online application is composed by 6 main sections :

Home	It provides a summary of significant indicators of each observatory section; in particular, regional annual energy consumption, regional emissions, regional annual electricity production and RES production
Consumption	For each section it' s possible to get data (and to export in excel graphics) per sector, per year (from 2005 to 2012) per energy source and per territorial level (regional, provincial and municipal).
Emissions	
Production	
RES production	
Horizon 2020	This section allows to monitor the Lombardia Region contribution to the European Commission 20-20-20 targets and in coherence with the Regional SEAP.



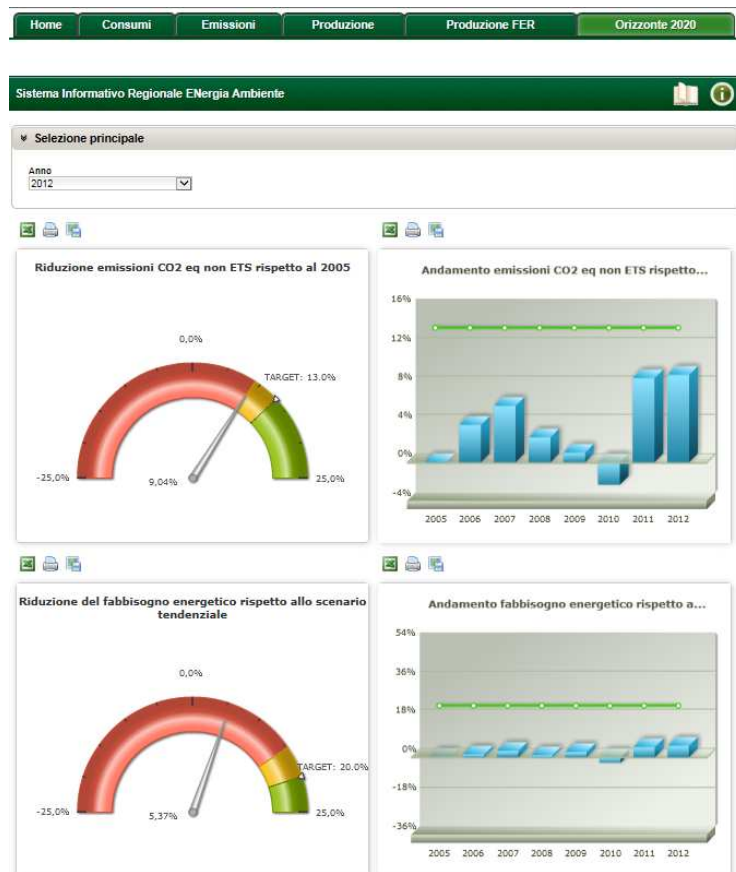
Home section of online SiReNa20 tool

Main Objectives – key achievements

SiReNa20 main aim is to monitor the Lombardia Region energy system in terms of safety, efficiency and sustainability. In particular the related key achievements are:

- Monitoring energy consumption, emissions, production and RES production (computing energy balances)

- Providing energy data at different levels (regional, provincial and municipal) for decision makers and citizens since it's an open web tool
- Give an easy-to-read overview of progress made by the Region towards 2020



Horizon2020 section of online SiReNa20 tool

Implementing Structure & Partners - Governance

SiReNa20 was realized thanks to the contribution of the Factor20 Project (Forwarding demonstrative ACTIONS On a Regional and local scale to reach EU targets of the European Plan"20/20/20" - LIFE08 ENV/IT/000430) within the European Union LIFE+ Environment Policy and Governance Programme.

Factor20 was implemented by Lombardia Region from January 2010 to December 2013; the other main partners were: Basilicata Region, Siciliana Region and the Environmental Ministry.

Nowadays SiReNa is managed by the Energy Department of Infrastrutture Lombarde S.p.A. on behalf of Lombardia Region that is the owner of the Observatory.

Financing and Costs / Time Frame

- Since 1997 – ongoing
- SiReNa20 was realized within Factor20 Project whose total budget was 2.273.269 €

Contacts & Links

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Observatory Website
<http://sirena20.energialombardia.eu>

