

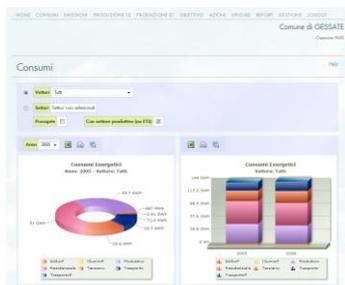


CO₂₀ the software supporting the SEAP

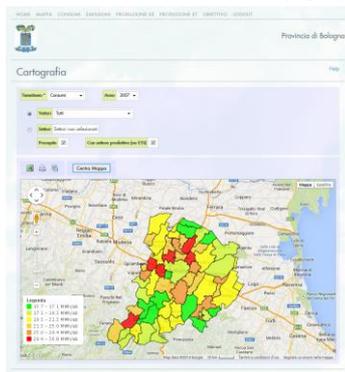
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Flowchart



Energy consumption pie and trend



Pro capita emission map



Monitoring of the SEAP



Monitoring public utilities

CO₂₀ has been designed and developed by TerrAria specifically to support the definition and preparation of the Sustainable Energy Action Plan (SEAP) in the path provided by the Covenant of Mayors.

CO₂₀ allows you to:

- build energy - emission municipal budgets (baseline BEI and monitoring MEI);
- ex-ante assess the effectiveness of local interventions to achieve the EU emission reduction targets: -20% (2020), -40% (2030);
- check and monitor over time the effectiveness of the intervention plan.

CO₂₀ supports the monitoring of the SEAP's effects both through emission trend and percentage of implementation of each measure and helps the adoption of appropriate measures to revise the Plan.

CO₂₀ allows to **monitor the fuel** (both electricity and natural gas) **consumption of public utilities**. The integrated solution involves the installation of a smart meter and data transmitter (**CO₂₀Plus**).

CO₂₀ for **Covenant Coordinators** (Region, Province, Mountain Communities) gives the opportunity to evaluate the territorial situation with cartographic representations of both energy and emission inventories and interventions through a WebGIS system.

CO₂₀ is provided as a software as a service with an access through a browser web (www.co20.it); the cost of the service depends on the duration, the version and the number of inhabitants.

	Single municipality			Aggregated municipalities	Covenant Coordinator		
	Light	Advanced	Plus	Advanced	Light	Advanced	
✓	✓	✓	✓	✓	✓	✓	Baseline Emission Inventory (BEI)
✓	✓	✓	✓	✓	✓	✓	Monitoring Emission Inventory (MEI)
✓	✓	✓	✓	✓	✓	✓	Emission Reduction Target
✓	✓	✓	✓	✓	✓	✓	SEAP Monitoring
		✓	✓	✓		✓	Actions definition
			✓	✓			Public utilities Monitoring
				✓	✓	✓	WebGIS map

