



LIFE
MODERN
NEC

Air quality, the response of ecosystems



Project - objectives

The current levels of pollutant emissions in the European Union pose risks to human health and ecosystems, as well as exposing member countries to the risk of infringement and the payment of heavy penalties.

To address this emergency, the **European Directive 2016/2284 (NEC Directive)** was issued, which establishes commitments to **reduce air emissions of pollutants associated with human activities**, through a system of monitoring and reporting of the data collected.

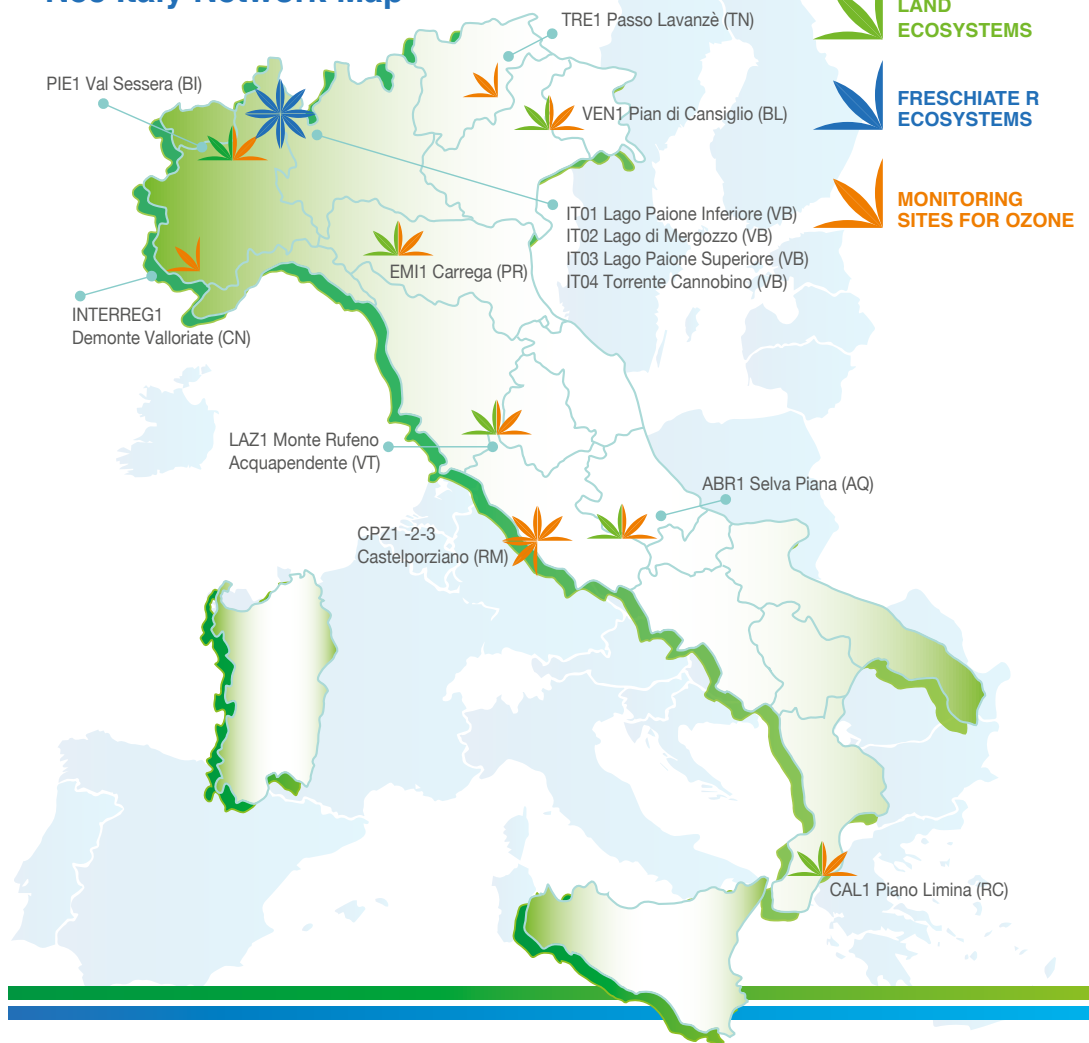
Moreover, Member States are required to monitor the adverse impacts of air pollution on aquatic and terrestrial ecosystems. The current Italian monitoring network consists of 4 freshwater sites and 6 forest sites.



It is in this context that the project LIFE MODERn (NEC) - New Monitoring System to detect the effects of the reduction of pollutant emissions resulting from the adoption of the NEC Directive - was born with the aim of improving the system of evaluation of the impacts of air pollution and climate change on forest and freshwater ecosystems in Italy.



Nec Italy Network Map



Project actions and activities

1) Select at least **4 new sites in forest environment** and **6 new freshwater sites** to be included in the Italian NEC network;

2) Increase the **set of indicators** for the study of air pollution impacts on ecosystems;

3) **test** new and existing indicators in the selected monitoring sites;

4) **train**, through seminars and field activities, the operators in charge of monitoring the sites;

5) **establish** a permanent working group composed of the project partners and a representative of the Ministry of Ecological Transition to update the NEC Italy network and evaluate its effectiveness;

6) promote a **national awareness campaign** aimed at the public and the various stakeholders on the need to adopt concrete measures and individual behaviors to help improve air quality.





LIFE20 GIEIT/000091
The project is carried out with
the contribution of the
European Commission
under the LIFE Programme

COORDINATING BENEFICIARY



ASSOCIATED BENEFICIARY



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