



LIFE 15 IPE IT 013



The project LIFE-IP PREPAIR Po Regions Engaged to Policies of Air

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Air quality in the Po Valley: a widespread criticality

Although the improvements registered in the last years, the Po Valley remains a nonattainment area for PM, NO₂ and O₃ EU air quality limit values

Hundreds of thousands tons of NO_x, PM, NH₃ are emitted every year in the atmosphere by a wide variety of pollution sources mainly related to traffic, domestic heating, industry and energy production, fertilizers and farming activities

Meteorological conditions and the dispersion of pollutants are strongly influenced by the morphological characteristics of the Po Valley and the northern Adriatic Basin. The transport of pollutants is limited by the Alps, the Apennines and the Dinaric Alps. Pollutants are transported across the Adriatic Sea, which influences the atmospheric circulation and the photochemical processes



Satellite Image of Northern Italy in the winter season (source: MODIS radiometer, NASA)

Needs for integrated actions



All the Regions have implemented **Air Quality Plans** over the past decades, but coordinated and large-scale actions are necessary in the Po valley to further reduce the levels of background air pollution



Since 2005 Agreements in the Po Valley for air quality control and management



In **2013** establishment of common actions on the most emitting sources: **transport, biomass for domestic heating, energy efficiency, industry, agriculture**, with the involvement of the Ministry for Environment and other competent Ministries



New agreement signed in **2017** by the four Regions Emilia-Romagna, Lombardia, Piemonte, Veneto and the Ministry for Environment for the implementation of **homogeneous measures and additional actions in exceeding periods**

LIFE IP PREPAIR supports the full implementation of AQPs and Po Valley Agreement *on a larger territorial scale* and establishes a permanent data sharing infrastructure for monitoring and assessing air quality and measures implementation in the project area

Main Data



Integrated project: financed under the priority area Air of the Programme Life for Environment



Budget: 16.805.939 €



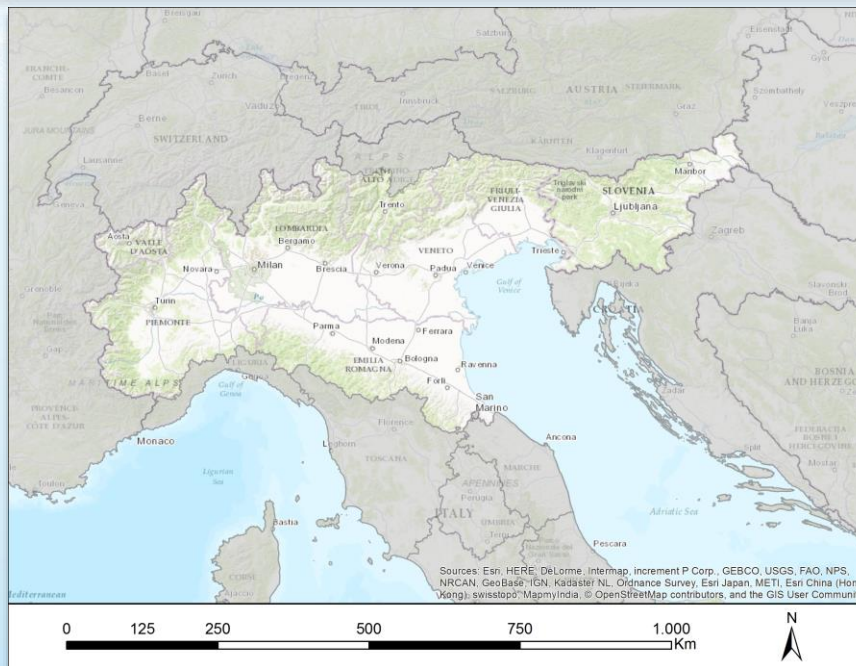
EU co-financing: 9.974.624 €



Project beneficiaries: 6 Regions, 7 Environmental Agencies, 3 Municipalities, 2 Agencies



Timeplan: from 1 February 2017 to 31 January 2024



PREPAIR supports the implementation of the Air Quality Plans

- The project PREPAIR wants to improve the air quality in the Po Valley and in Slovenia, according to the Directive 2008/50/CE and the NEC objectives. It supports the implementation of n. **7 regional Air Quality Plans in Italy** and of **the municipal Plans of Slovenia** acting as a multiplier effect on the effectiveness of regional measures
- The improvement of air quality will affect the health and quality of life of about **28 million people living in a territory of almost 135,000 km²**
- The concrete actions implemented by PREPAIR act as “multiplier” of the relative measures realized by the AQPs. The PREPAIR concrete actions can reduce the emissions of pollutants **with a contribute that vary from 5% to 12%** of the reduction attributed to the relative measure of the AQPs

Thematic pillars



AGRICULTURE

- Development of a common evaluation tool for the reduction of emissions in the farms
- Dissemination of good practices on the use of fertilizers through also a system of assistance to farmers in order to optimize its spreading by using low-emissions techniques



BIOMASS

- Specific education and qualification actions for freelances on the design, maintenance and control of domestic wood-burning plants
- Awareness-raising activities for citizens on good practices
- Optimization of the local supply chain of biomass



TRANSPORTS

- Developing common tools for the support of the public, electric and cycling mobility and for a rational management of the transport of goods, also by adopting pilot and demonstrative actions



ENERGY EFFICIENCY

- Provide guidelines for small and medium enterprises
- Develop an integrated approach to all actors involved in the chain of condos
- Realize local info-points in support of public bodies for promoting the green public procurement



AIR QUALITY EVALUATION AND MONITORING

- Realization of a permanent platform for data sharing
- Monitoring and evaluation of air quality in the Po basin, including the effects of the cross-border pollution between Italy and Slovenia

COMMUNICATION AND NETWORKING

MANAGEMENT AND GOVERNANCE

Complementary actions

- Complementary actions amount at **more than 950 M€**
- The proportion between IP itself measures and complementary measures is **1:50**
- Complementary funding mainly from EAFRD, ERDF, regional and national funds
- The implementation of complementary actions is monitored on a six-months base

	Amount foreseen in the GA	Current Amount	Amount committed	Amount spent
EU/ESI FUNDS MONITORED	€ 828.870.970	€ 869.521.049	€574.337.802	€ 227.324.371
OTHER PUBLIC FUNDS	€ 41.050.287	€ 88.511.617	€49.879.640	€ 20.140.979
TOTAL COMPLEMENTARY FUNDS	€ 869.921.257	€ 958.032.666	€624.217.442	€ 247.465.350
% TOTAL FUND MONITORED			72%	28%



**RURAL
DEVELOPMENT
PLANS**



**REGIONAL
DEVELOPMENT
PROGRAMMES**



PON METRO

[illegible]

Main results achieved



25 conferences, courses, workshops and stakeholder's consultation events have been implemented, totally involving more than 1.400 public officers, professionals, craftsmen, students, farmers, civil society



The website has been visited 17,000 times since June 2017, the Facebook profile is online since June 2017 and 1,200 people like the page



More than 250 experts actively take part in the thematic working groups



More than 16 project meetings have been organized plus several thematic meetings



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With the contribution
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Thanks for Your attention



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