

An integrated approach for the effective management of water pollution risks from emerging contaminants



Perfluorinated compounds
HOListic ENVIRONMENTAL
Interinstitutional eXperience



Preventing, Ensuring, Promoting

LIFE PHOENIX Project

lifephoenix.eu

COORDINATOR



PARTNERS

REGIONE DEL VENETO



WITH THE CONTRIBUTION OF THE LIFE FINANCIAL INSTRUMENT OF THE EUROPEAN UNION
LIFE16ENV/IT/000488 - LIFE PHOENIX

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Life Phoenix project overview

Webinar 03 March 2021

Vanessa Groppi, Veneto Region



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INSTRUMENT OF THE EUROPEAN UNION
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The LIFE Programme



EU funding instrument for the environment,
natural resources and climate action
(Environment and Resource Efficiency sector)

General objective: contribute to the
implementation and development of EU
environment and climate policy and legislation
by co-financing project with European added
value

**WATER
NATURAL RESOURCE**



HUMAN HEALTH



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Aim of the project

Demonstrate how a new *interinstitutional governance system* can manage risks related to the diffusion of **PMOC (Persistent Mobile Organic emerging Contaminants)** in/from WATER matrix

- focus on **short-chain PerFluorinated Alkyl Substances** (PFAS subclass of PMOC)
- supported through INNOVATIVE FORECAST TOOLS and MITIGATION ACTIONS
- this system will help **to avoid or at least reduce public expenditure** on damages caused by persistent emerging pollutants (environment → human health)

Partnership

Project leader: **REGIONE DEL VENETO**



REGIONE DEL VENETO

Associated partners:

- **AZIENDA ZERO**



- **ARPAV**



- **CONSIGLIO NAZIONALE DELLE RICERCHE,
Istituto di Ricerca sulle Acque (CNR-IRSA)**



- **Università degli Studi di Padova**



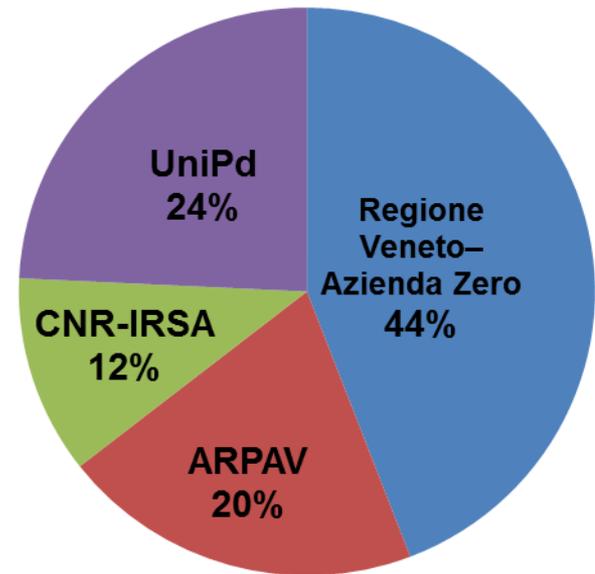
UNIVERSITÀ
DEGLI STUDI
DI PADOVA

Budget

TOTAL BUDGET: **2.176.493 €**

EU CONTRIBUTION: **1.264.369 €**
(60 % contribution of EU Commission)

Budget %



Starting date: September 2017

End of project: March 2021

Stakeholders and declarations of support

WHO (Organizzazione Mondiale della Sanità)

ISS (Istituto Superiore di Sanità – **IT**)

Norman Network (Network Europeo di laboratori riferimento e centri ricerca sulle sostanze emergenti - **FR**)

ANSES (Agenzia Nazionale di sicurezza sanitaria dell'alimentazione, ambiente e lavoro – **FR**)

RIVM (Istituto Nazionale di Salute Pubblica e dell'Ambiente – **NL**)

OVAM (Agenzia Pubblica Fiamminga dei Rifiuti – **BE**)

ANBI (Ass. Nazionale Consorzi di gestione e tutela del territorio e delle acque irrigue)

VIVERACQUA (Società Consortile tra i Gestori del Servizio Idrico Integrato Veneto)

Consorzio di bonifica Adige Euganeo

Centro Idrico Novoledo

OPO Veneto (Organizzazione Produttori Ortofrutticoli del Veneto)

Specific project objectives (I)

- settle a **Permanent Regional Commission** supported by **expert panels** for the implementation of policy measures and effective actions to prevent or limit problems related to contamination from PMOC (in particular short-chain PFAS)
- prepare **guidelines** and operative procedures on how to face the problems and for risk prevention
- provide well-timed and innovative environmental tools for the estimation of contaminant distribution and risks (**early-warning** tools) in support of the risk analysis

Project structure

Operative/Implementation actions:

B1 Organising a control and risk analysis system

B2 Implementing an informative and statistic system **WEBINAR 2021/02/24**

B3 Technological innovation and development **WEBINAR 2021/03/10**

B4 Innovative and integrated forecast tools to support decision-making **WEBINAR 2021/03/03**

Monitoring actions:

C1 Environmental monitoring

C2 Socio-economic impact

Public awareness and dissemination of results:

D1 Communication and dissemination to general audiences

D2 Communication and dissemination to technical audience and stakeholders

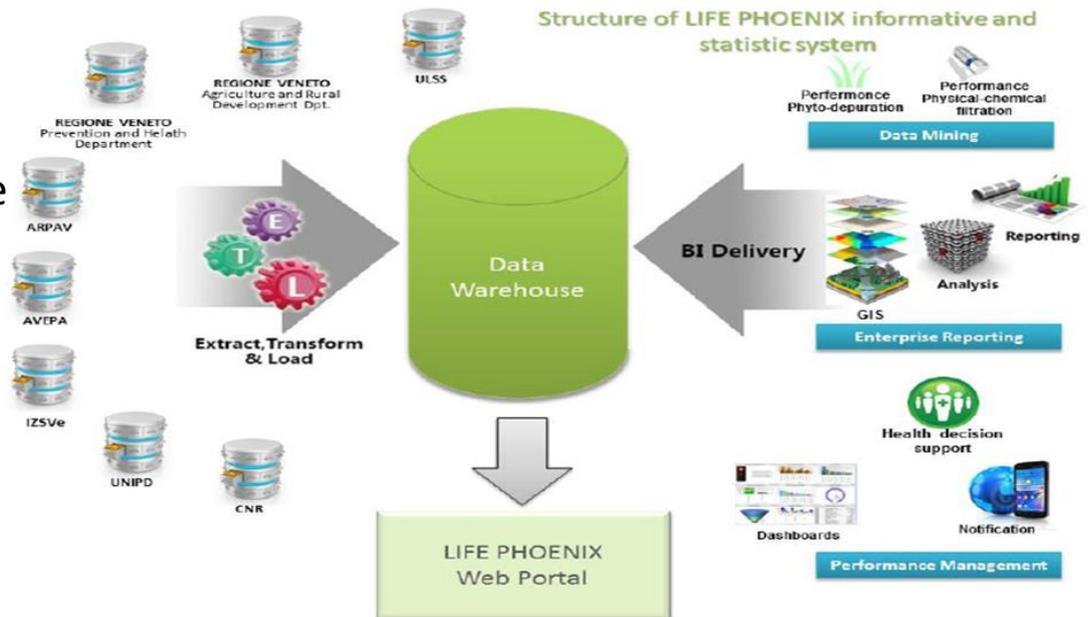
Project management

B2 Action - Implementing an informative and statistic system



Implementation of a support system for an efficient and effective communication between the expert panel and all the involved actors

→ efficient management of the health- environmental system



DATA WAREHOUSE WEB PORTAL

B4 Action - Innovative and integrated forecast tools

Forecast NUMERICAL MODEL of flow and transport of the contaminant examined



- acquisition of quantitative data and geo statistic analysis
- calibration and final validation of the numerical model suitable and flexible to different contamination scenarios

THANK YOU FOR YOUR ATTENTION

