

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](http://lifephoenix.eu)

## COORDINATOR



REGIONE DEL VENETO

## PARTNERS

REGIONE DEL VENETO



AZIENDA  
ZERO



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA



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

## Life Phoenix project overview

Webinar 03 March 2021

Vanessa Groppi, Veneto Region



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

## 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**



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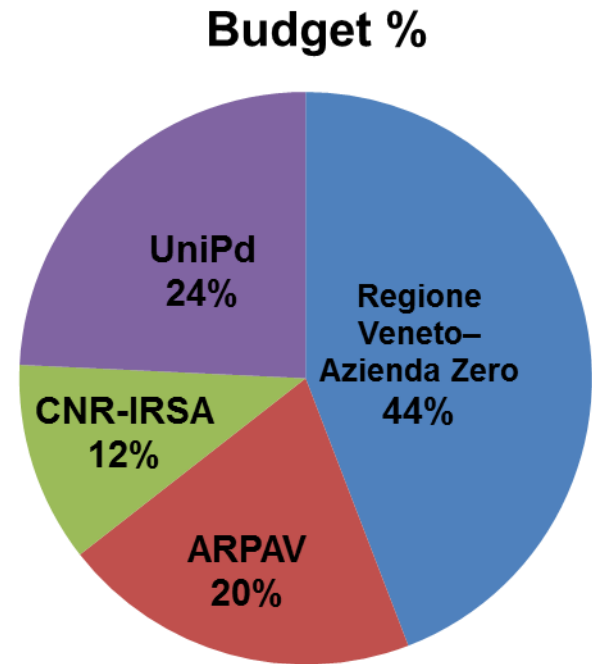
# Budget

TOTAL BUDGET: **2.176.493 €**

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

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

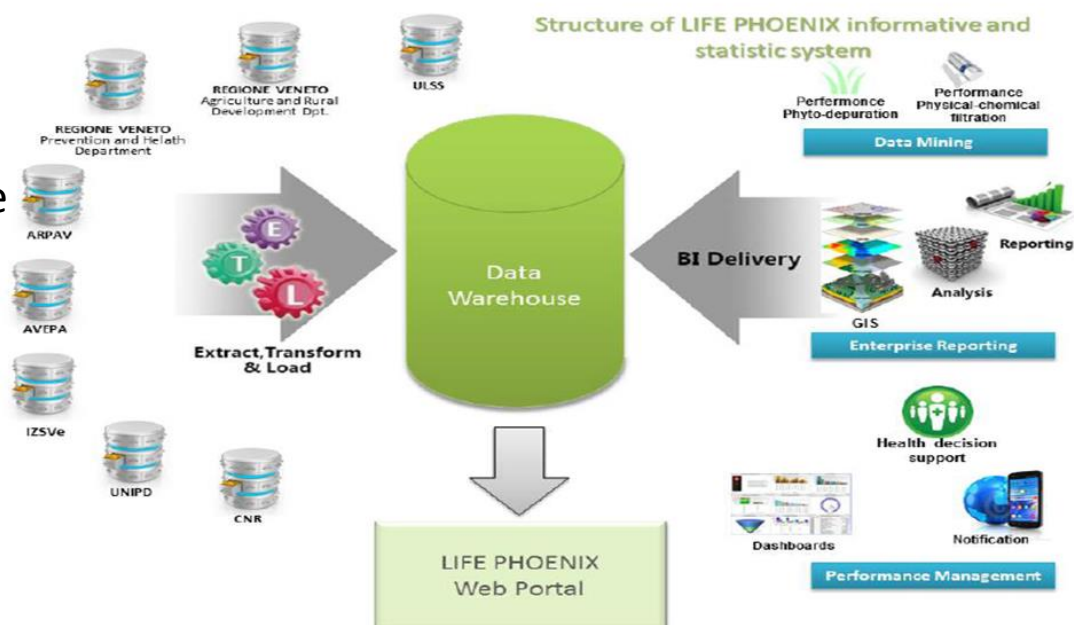
## Project management

# 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

