



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



Perfluorinated compounds  
HOlistic ENvironmental  
Interinstitutional eXperience

lifephoenix.eu

# Preventing, Ensuring, Promoting

## LIFE PHOENIX Project

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



### Preventing

in an effective and timely  
manner the risks associated  
with the spread of emerging  
contaminants in the  
environment



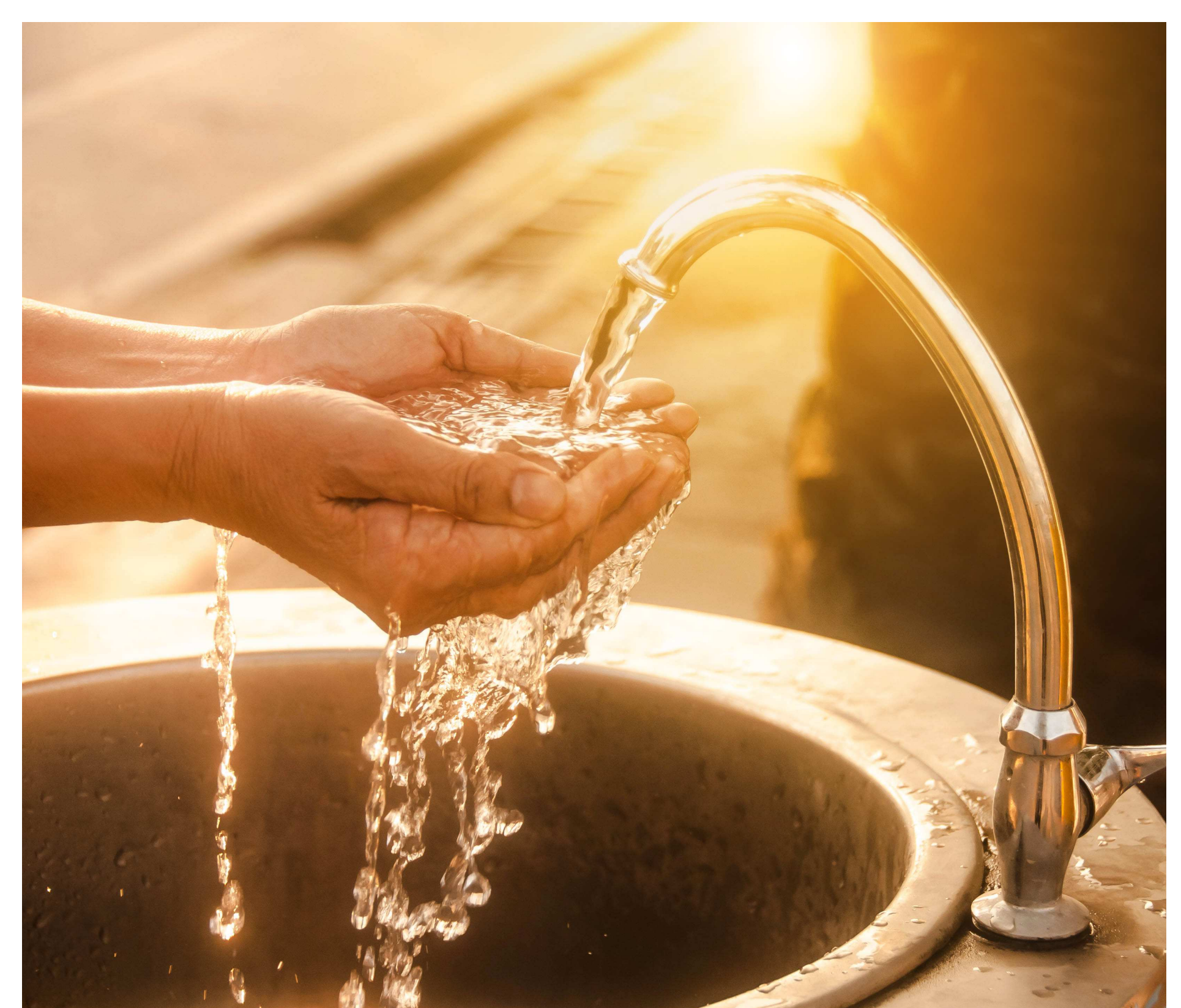
### Ensuring

systematically the safety of a  
drinking water system, the  
quality of the water supplied  
and the protection of  
consumer health



### Promoting

at all levels a sustainable and  
aware use of water, in line  
with the European objective  
of water resources  
preservation



## Innovative aspects and expected results

- A **new model of inter-institutional governance**, supported by expert working groups and accurate forecasting systems, to promptly and effectively manage the problems arising from water contamination caused by mobile and persistent organic substances (PMOC).
- A **long-term action plan** (*policy measures, prevention protocols, guidelines, recommendations*) complemented by the use of innovative technologies, able to assist public decision makers in the process of assessing, preventing and mitigating risks for the environment and for human health.
- A **smooth information and statistical system** (*data warehouse and web portal*), integrated with numerous databases from various local, regional and national institutions, and organized in different thematic topics to facilitate specialists in the necessary technical and scientific elaborations.
- An **effective testing process** supported by pilot plants for water purification, with *upscaling* to real-scale for irrigation water in three wet areas identified in the project zone between the provinces of Vicenza, Verona and Padua (about 930 km<sup>2</sup>) in the Veneto Region.
- A **series of fast and integrated tools**, supported by methods based on risk analysis (mathematical models and bio-indicators), to estimate the diffusion of contaminants (PMOC) in the different environmental matrices and to set biological and eco-toxicological early warning systems.
- A **replicable work methodology**, based on the *know-how* and results deriving from the multidisciplinary approach, that can be transferred and adapted in other European geographical contexts or nearby areas characterized by similar environmental contaminations.

### Budget

2.176.493 €  
EU co-financing: 1.264.369 €

### Duration

from 01/09/2017  
to 31/03/2021

### COORDINATOR



### PARTNERS

