



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

*Webinar - 10 March 2021 (10:00-12:00 a.m.)*

Connect at: <https://global.gotomeeting.com/join/447011741>

## Impact of PFAS on agricultural soil and plants

Results of a three-years field monitoring campaign of PFAS in irrigation waters, agricultural soil and edible and aquatic plants will be presented and discussed with the aim of understanding the PFAS diffusion in a real terrestrial environment. In the monitoring plan three constructed wetland were also included to assess their capacity to mitigate PFAS pollution in surface waters. Field data will be compared with a greenhouse experiment where a large leaf edible plant have been exposed to PFAS. LIFE Phoenix experiences will be compared with the soil policy on agricultural and excavated soil developed in Flanders.

**Chairman** Stefano Polesello - Institute for Water Research (IRSA-CNR), Italy

**Speakers** Marco Bonato - University of Padua, Italy

Claudia Ferrario - IRSA-CNR, Italy

Carlo Nicoletto - University of Padua, Italy

Stefano Polesello - IRSA-CNR, Italy

Griet Van Gestel - Public Waste Agency of Flanders (OVAM), Belgium

### Scientific program

10:00	<b>Brief introduction on the LIFE PHOENIX Project</b>	Stefano Polesello
10:15	<b>Lesson learnt from three-years monitoring of irrigation waters, agricultural soil and plants</b>	Claudia Ferrario
10:45	<b>Phytodepuration as a nature-based solution for PFAS mitigation</b>	Marco Bonato
11:00	<b>Greenhouse experiment of edible plant exposition to PFAS under a controlled environment</b>	Marco Bonato, Carlo Nicoletto
11:15	<b>Soil policy on PFAS in Flanders</b>	Griet Van Gestel
11:45	<b>Final remarks and discussion</b>	

#### LEAD PARTNER



#### ASSOCIATED PARTNERS



UNIVERSITÀ  
DEGLI STUDI  
DI PADOVA