

Webinar – 10th March 2021

Impact of PFAS on agricultural soil and plants

Final Remarks



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

Lessons from the LIFE PHOENIX Project

1. Water and air mobility of PFAS improves their diffusion in all environmental compartments
2. A significant point source can impact large areas
3. Plants can uptake PFAS even if the soil an effective buffer for more accumulable substances (long chain PFAS)
4. Soil trophic chain, from invertebrates to mammals and birds needs further studies

Lessons about soil...

- Needs for background concentrations in soil and agricultural products
- Background concentrations should be linked to exposure thresholds
- Atmospheric transport to be better studied, especially in industrial sites
- Need to derived harmonized standards for soils at EU level

Way forward (after project end)

- Large international cooperation to assess background values in the different compartments
- Identify background exposure levels for humans
- Collaboration for human biomonitoring in different EU and extra-EU areas to verify modelled background exposure
- Need for a soil legislation for soil and Improving soli networking sucj as EmComSoil
- Green infrastructure

**Thank all of you for
your participation.**

Recordings will be
available on Youtube
Channel:
[https://www.youtube.
com/channel/UCbKh
RrCKIBW7YCHnYPh
Rxyw](https://www.youtube.com/channel/UCbKhRrCKIBW7YCHnYPhRxyw)

*Ricordati, quando commenti
l'acque, d'allegar prima la
esperienza e poi la ragione.*

*Remember, when you
comment on the waters, to
put your experience first and
then your reason.*

Leonardo da Vinci

