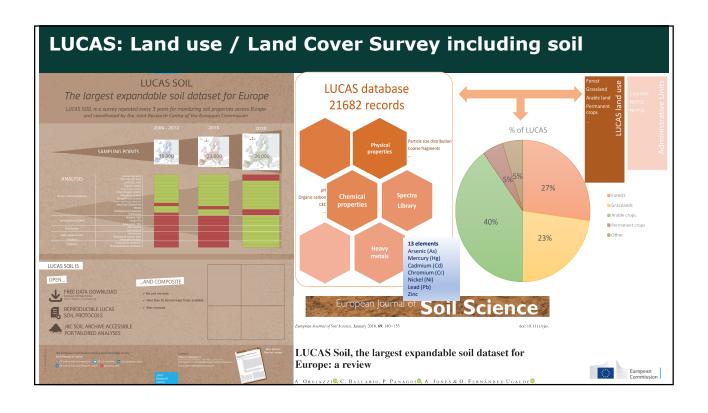
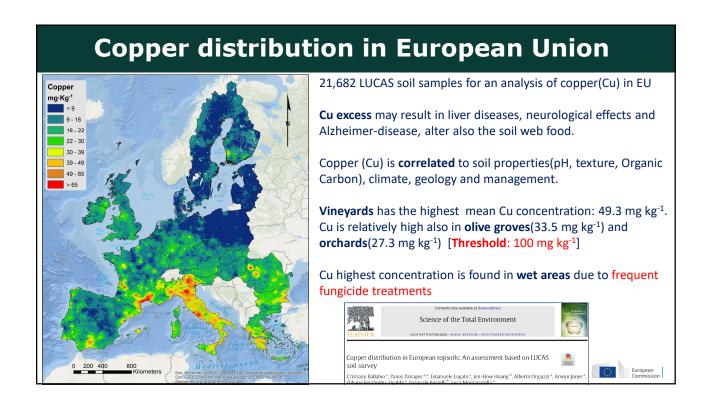


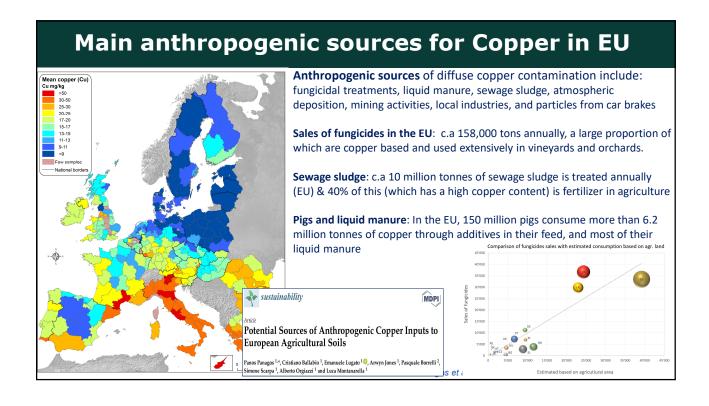
## Outline

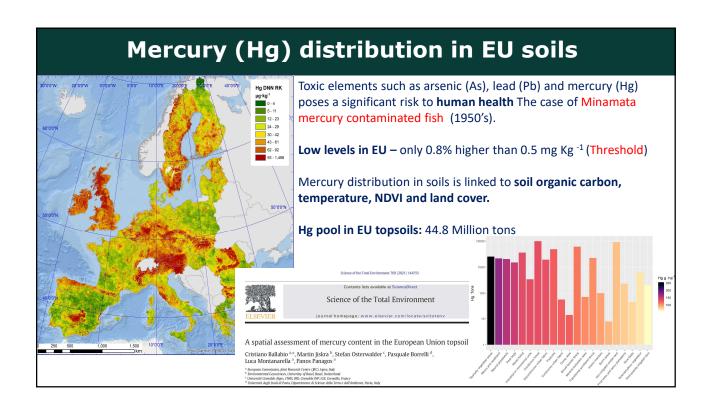
- LUCAS topsoil survey
- Copper
- Mercury
- Cadmium
- Phosphorus losses due to soil erosion
- Other: Radio-active contamination (Cs, Pu) / Manure

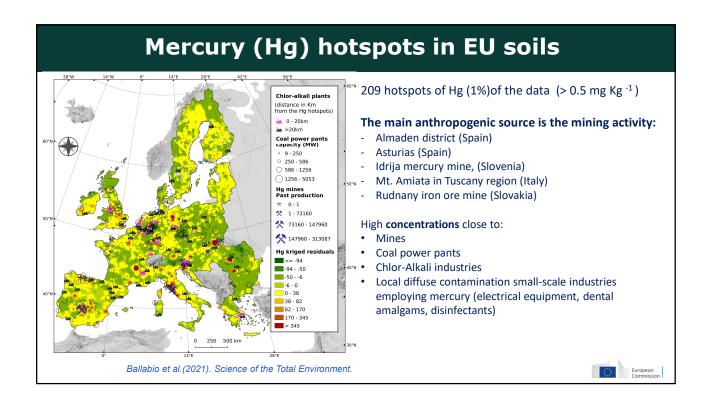
European Commission

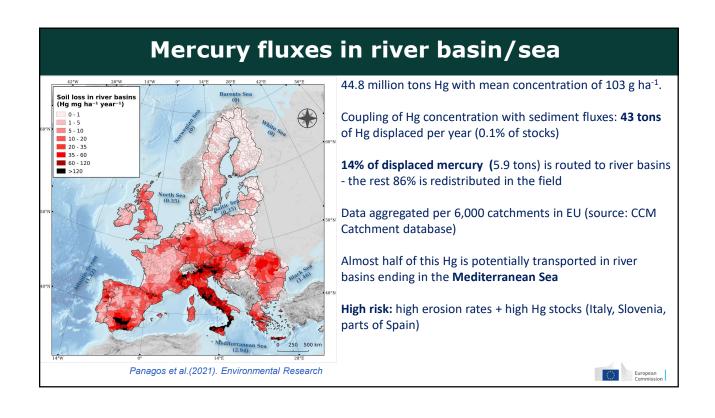


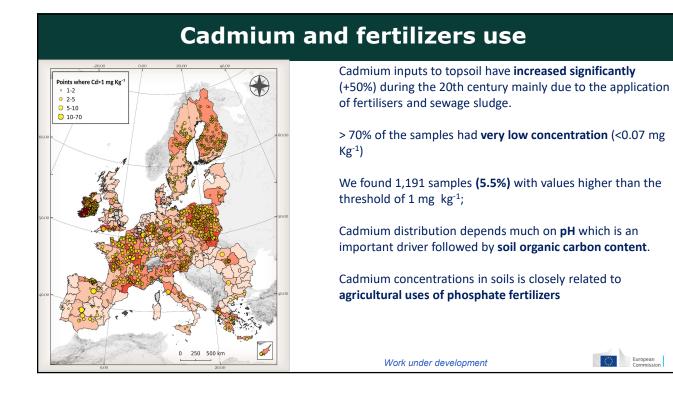


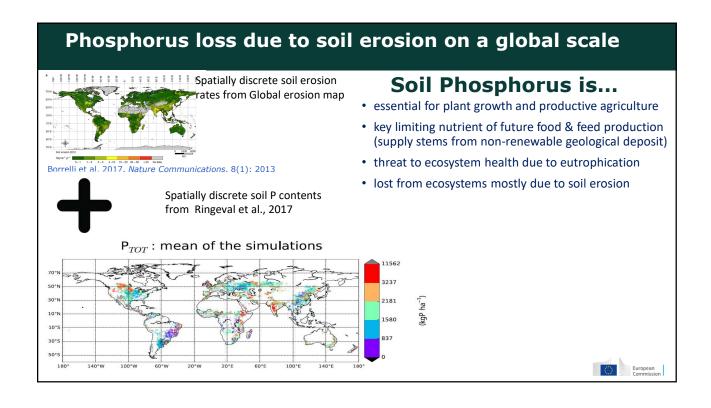


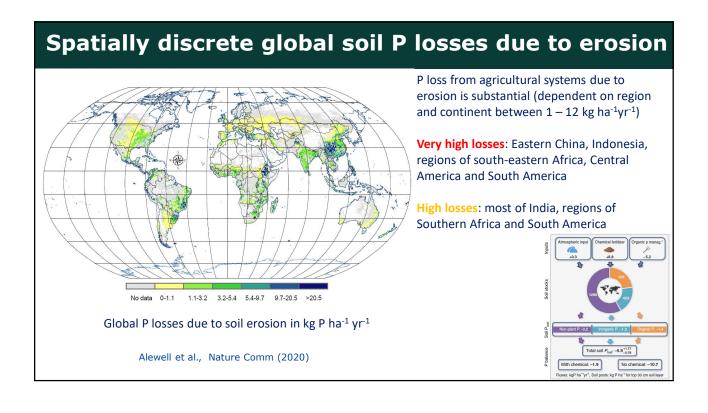


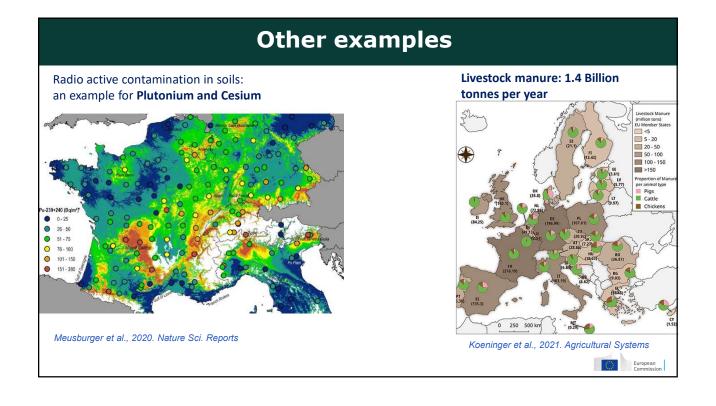












## **Concluding remarks**

- LUCAS database is a major advancement for Diffuse pollution estimates
- JRC studies focus not only in spatial distribution but also explaining the main reasons behind the high concentrations
- As Polluted sediments can pose significant risks for aquatic organisms, important to assess sediment fluxes.
- Modelling integration: Soil pollution (Heavy metal, microplastic, pesticides, etc) → Sediment transport → water pollution (eutrophication)
- Policy challenges (in the area of EU Green Deal): The Zero Pollution
  Action Plan, Farm to Fork (F2F), EU Soil Strategy