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Swiss Confederation

Federal Department of the Environment,  
Transport, Energy and Communications DETEC

**Federal Office for the Environment FOEN**  
Division Soil and Biotechnology

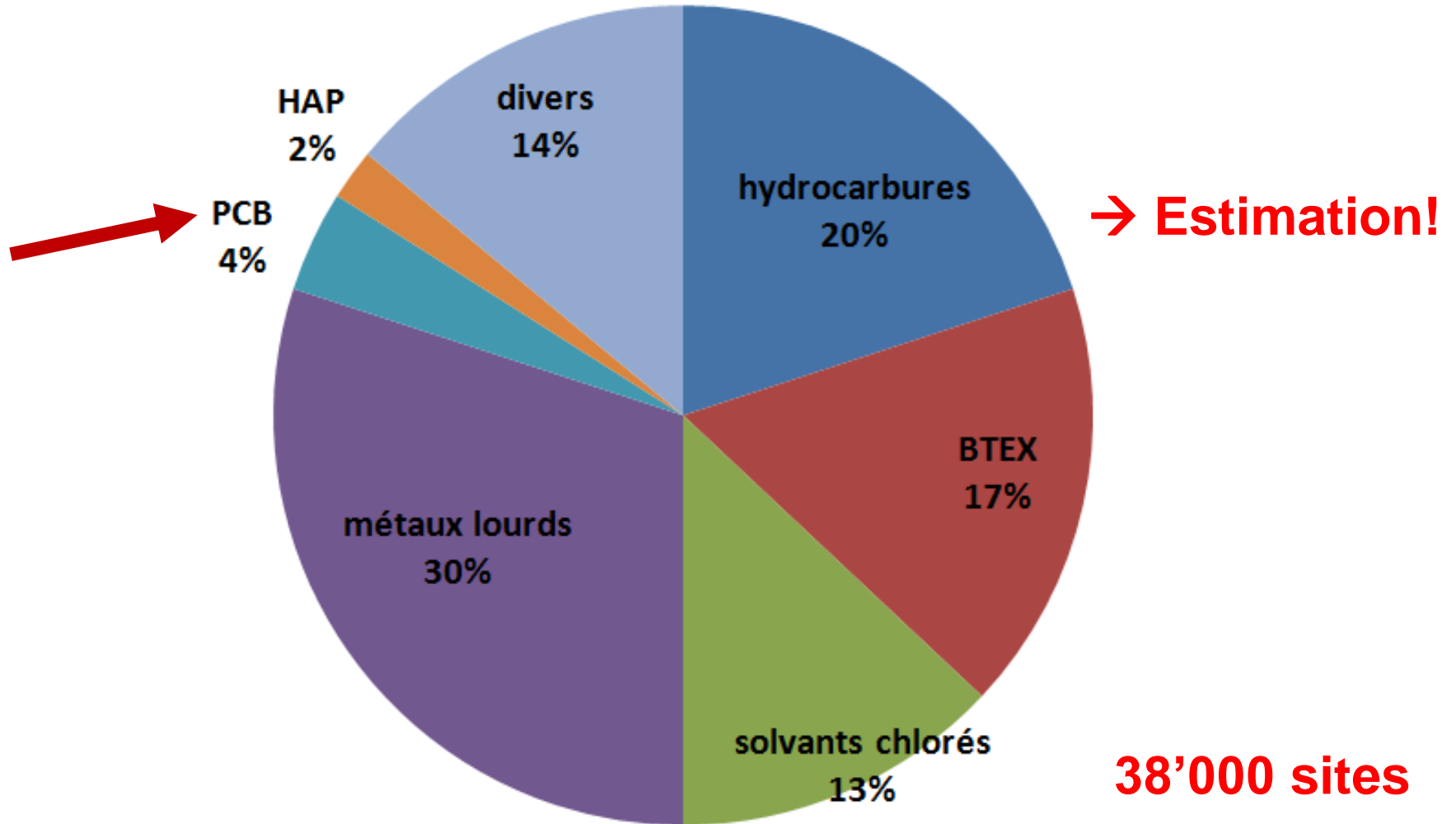
# **Contaminated sites with POP**

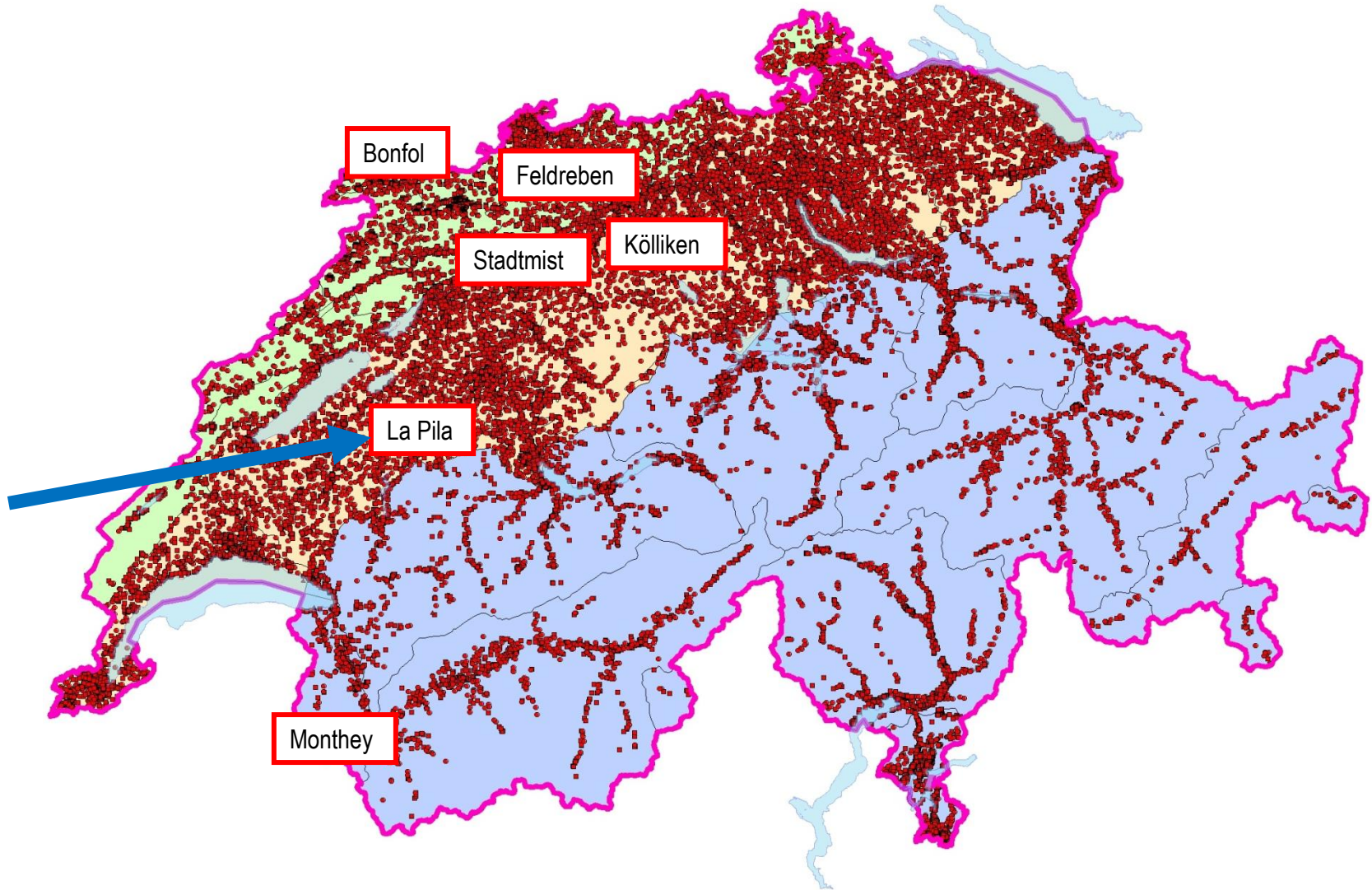
**Need of remediation and remediation goals within  
the implementation of the Stockholm Convention**

**Common Forum, 13.04.2017**



# Pollutants in the polluted sites





## The 6 VICOS



# Landfill La Pila



200'000 m<sup>3</sup> waste  
20 to PCB

Sediments and  
fishes contaminated

The wastes IN the river were responsible for the contamination of the sediments and fishes!



# Need of remediation

A polluted site is deemed to be in need of remediation to protect the **groundwater**, if:

- potential water pollutants originating from the site are detected in groundwater catchments of public interest;
- for groundwater in water protection areas  $A_u$ : **the concentration of substances originating from the site immediately downstream of the site exceeds one-half the concentration value** specified in Annex 1;

For the protection of **surface waters**, a polluted site is deemed to be in need of remediation if:

- in water that flows into surface waters, **the concentration of substances originating from the site exceeds by tenfold a concentration value** specified in Annex 1;

Concentration value for PCB: **0.1  $\mu\text{g/l}$**



# Stockholm Convention on Persistent Organic Pollutants (POPs)

## ARTICLE 6 Measures to reduce or eliminate releases from stockpiles and wastes

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1. In order to ensure that stockpiles consisting of or containing chemicals listed either in Annex A or Annex B and wastes, including products and articles upon becoming wastes, consisting of, containing or contaminated with a chemical listed in Annex A, B or C, are managed in a manner protective of human health and the environment, each Party shall:
  - (e) Endeavour to develop appropriate strategies for identifying sites contaminated by chemicals listed in Annex A, B or C; if remediation of those sites is undertaken it shall be performed in an environmentally sound manner.



# Stockholm Convention on Persistent Organic Pollutants (POPs)

Do you have any experiences of remediation within the Stockholm Convention?

