

# Status of the implementation of the EU-wide strategy

The way forward

John Vijgen, project consultant and CEO IHPA

Boudewijn Fokke, Project Manager Consortium









## Content of the presentation

#### **Strategy to manage HCH contaminated sites EU-wide**

- HCH and Lindane legacy
- Why should we act?
- Lessons learned to EU-wide remediate HCH contaminated sites
- The way forward
- Closing remarks











## HCH and Lindane legacy

#### For 1 ton of Lindane 8 - 12 tons of waste HCH isomers were produced

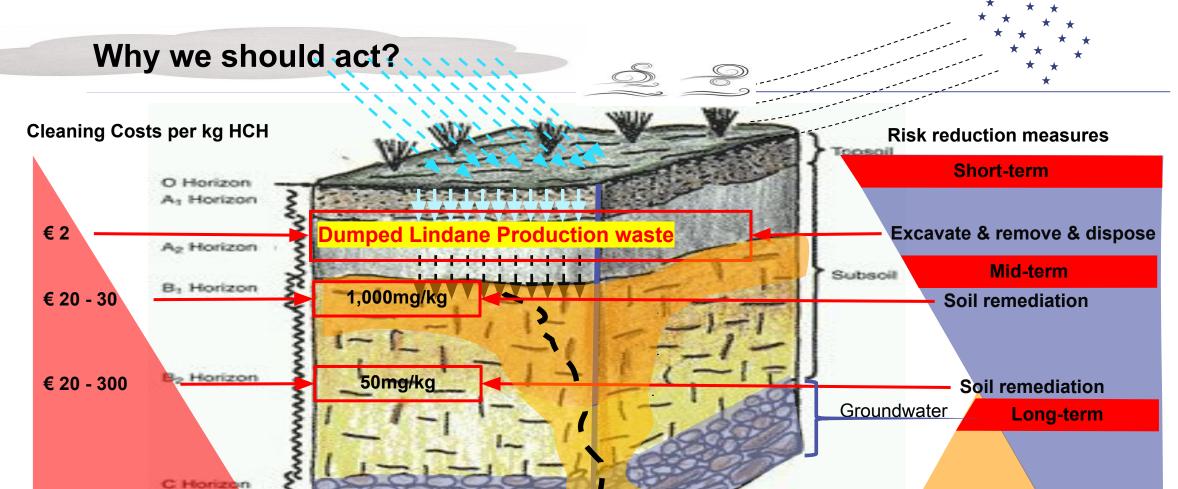
- Total 600,000 tons of Lindane produced leaving around 4.8 million tons of HCH-waste
- HCH and Lindane are Persistent Organic Pollutants + a lot of Mega-sites
  - Toxic properties
  - Resist degradation
  - Bioaccumulate
  - Are transported across international boundaries through air, water and migratory species
  - Are deposited far from their place of release
  - Accumulate in terrestrial and aquatic ecosystems.
- Health risks for women and thus future generations.
- Arctic ecosystems and indigenous communities are particularly at risk











1 cubic meter of soil = 1.700 kg

.000 ua/l



Rock

€ 2,000 - 5,000





**Groundwater remediation** 

# Thinking about progress on solutions on Climate Change



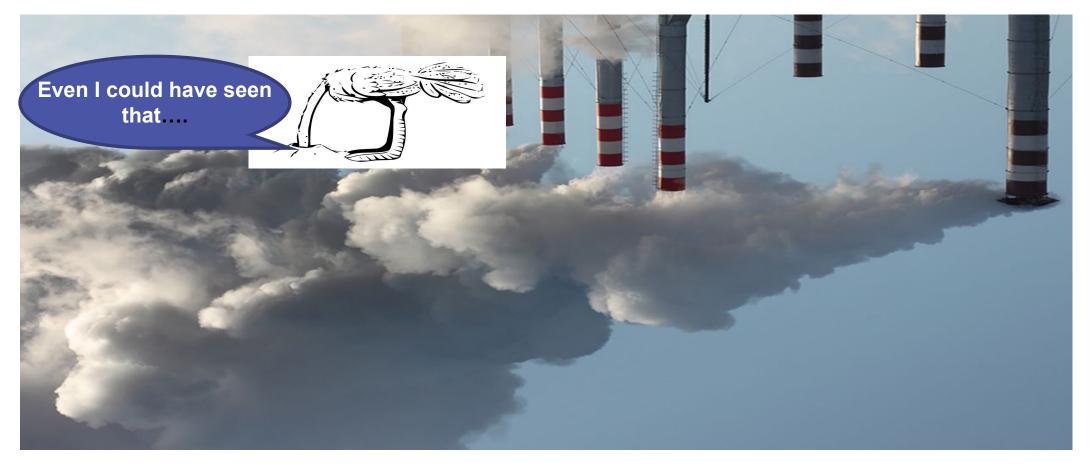








# But why not Talking and not Acting on HCH waste Leaking for 50 - 70 years? Our generation did not act yet!













## EU-wide strategy to eliminate the legacy of Lindane production



**EU Water FrameworkD** irective

**EU-Biodiversity** Strategy 2030

Zero pollution action plan: Towards zero pollution for air, water and soil

**EU Level** 

Initiate, Motivate & **Facilitate** 

**Region & Country Level** 

Agree, Enable, Prioritize, Co-fund, Legalise, Enforce & **Monitor** 

Site & City Level

Investigate, Prioritize, Invest, Contract, Remediate, Sustain, Monitor & Aftercare



Soil strategy, EU funding program, **LINDANET** 







Covenants with stakeholder, Legislation, Risk based approach, Financial instruments, LINDANET



Guidelines, QC & QA, Urban development, Phase & Risk based approach





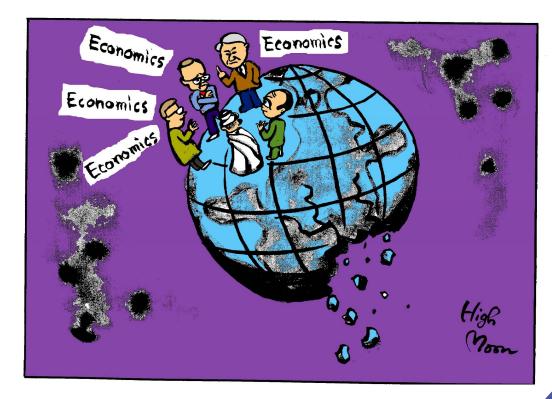




#### Closing remarks

#### Strategy to manage HCH contaminated sites EU-wide

- Responsibility for generational pollutants
- **Green economic recovery**
- **Combine force**
- Win-win, remediation & urban development
- Short-term thinking is a long term problem..... Period of 25 years
- **Aragon: Strategic Plan with 25 years** Political commitment of all Parties















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John Vijgen & Boudewijn Fokke



hchineu@tauw.com



https://www.tauw.com/projecten/resolving-hch-lindane-in-the-eu.html





