

Assessment of the soil threats in Hungary

László ÁDÁM
VITUKI Kht.

18. September 2007.
EEA workshop on Soil

Outline

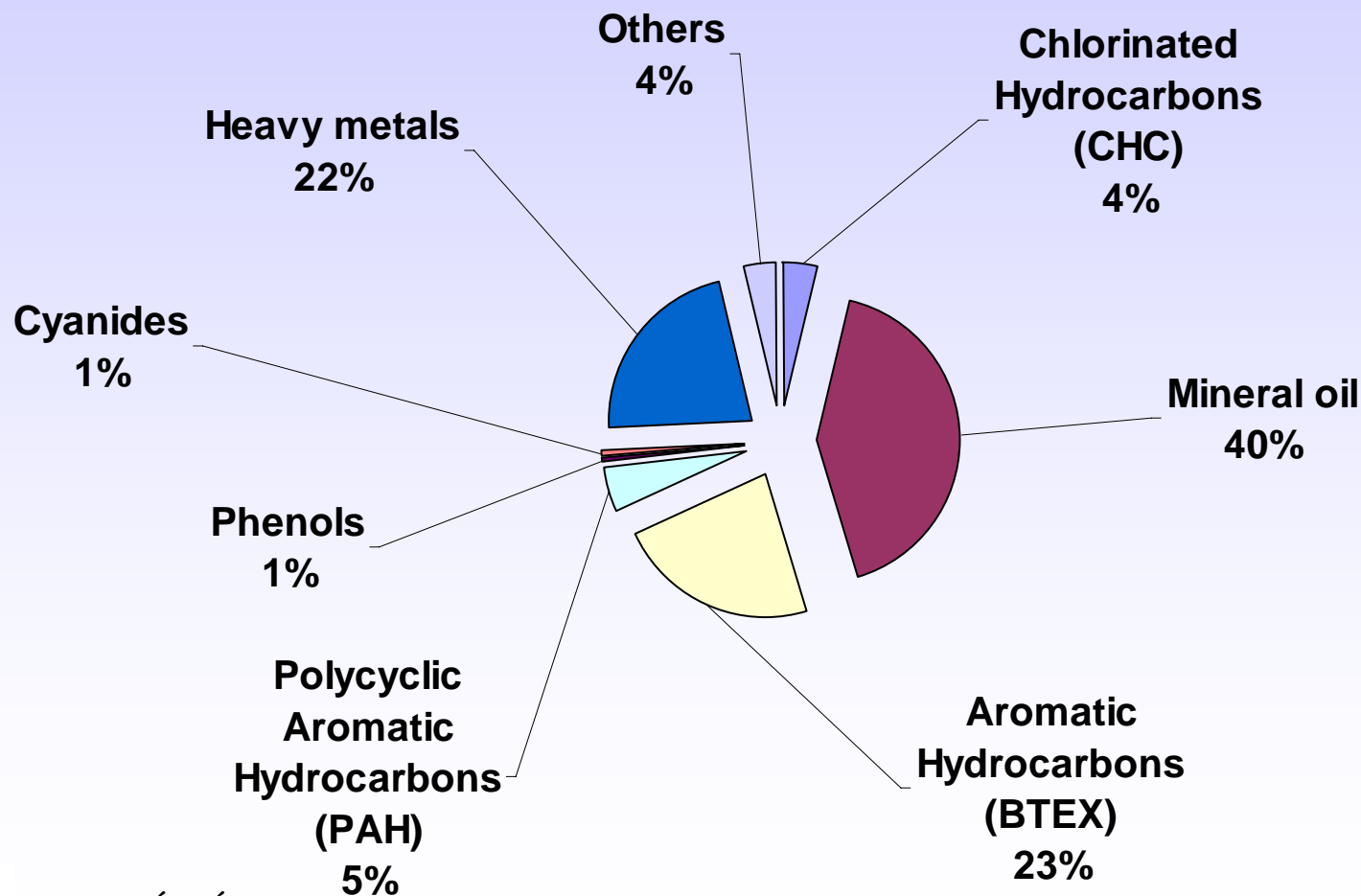
- Contamination
- Erosion
- Landslides
- TIM system
- Other threats

Contamination – National Environmental Remediation Program

- 15 000 potential polluting activities were registered
- Oracle based database – FAVI - KÁRINFO
- Tiered type datasheet system
- Prioritisation method – Priority Lists
- Database of authorised activities – FAVI-ENG
- FAVI – MONITORING for monitoring data
- Stakeholders on local level poorly informed

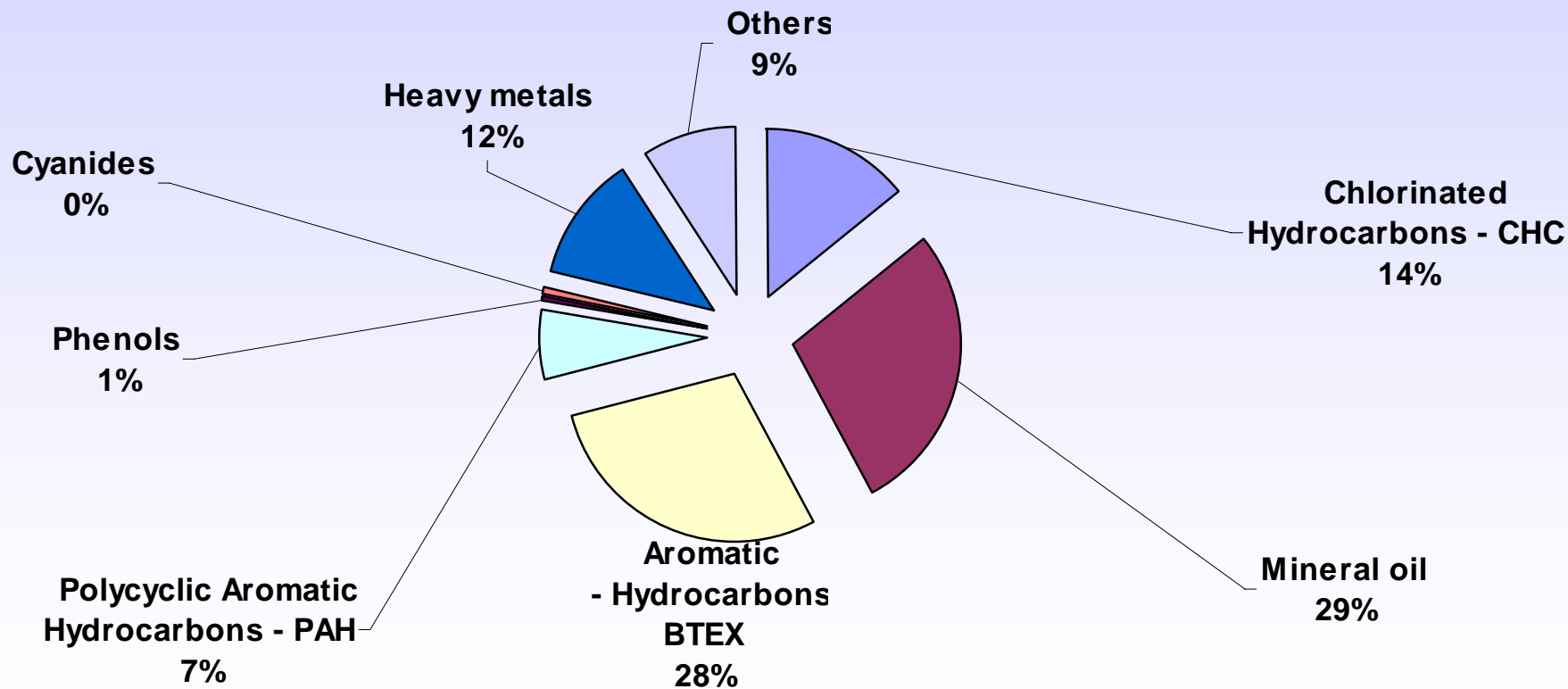
Distribution of the main pollutants I.

- Geological medium (KÁRINFO database)



Distribution of the main pollutants II.

- Groundwater (KÁRINFO database)



Developments in the future

- Fill up of the databases with data provided by the liable persons
- Tuning of the method of National Priority List integrated in FAVI-KÁRINFO
- Establishing a relation between FAVI-KÁRINFO and Property Register

Erosion

- Deflation and water erosion
- Wind erosion is regional problem on the Danube-Tisza interfluve
- The water erosion is a local problem on the hilly areas, but pretty large areas are affected
- The most recent assessment was performed by the RISSAC and MÁFI, some results are available

Landslides

- Mostly connected to the areas which consists of loess, and the topography is steep,
- Not an everyday problem, but where it exists, it causes significant problem
- The risk areas are assessed, the results are available at the Hungarian Mining and Geological Authority
- The problem owners on local level are aware of this issue

TIM – Soil Information Monitoring System

- Since 1992
- Main aim: the characterisation of the spatial distribution of the soil resources, and the assessment of the changing of the soil status
- Operated by authorities
- Countrywide system
- Appr. 1200 measurement points

Other threats

- Salinisation
- Compaction
- Acidification

Thank you for your attention!



László ADÁM
VITUKI Kht.