

#### environmen programmi

## **TOWARDS** ZERO POLLUTION

GLOBAL ASSESSMENT OF SOIL POLLUTION 4 June 2021

**REPORT** 

Launch of the Global Assessment of Soil Pollution Report









# Status of soil pollution, a regional perspective: Eastern Europe, Caucasus and Central Asia

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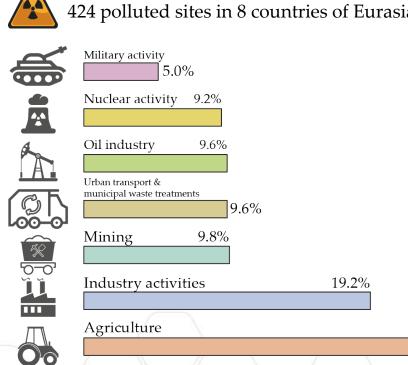






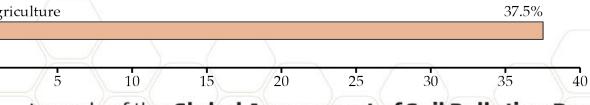


424 polluted sites in 8 countries of Eurasia region





Region covers 2 mln ha, population is 239.8 million people











### Eastern Europe





Flooding of the mining in Donbas, 2.5 mln t/year of salt and TEs are deposited to soil/water



1986

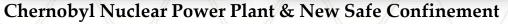




2019



Prognosis pollution by <sup>241</sup>Am in 2050. Source: Vidavnitstvo, 2000.





Urban waste



Agriculture



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#### Caucasus republics

Incidence of different diseases reported in the Apsheron region and at the national level.

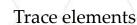
Disease	Cases reported in the Apsheron region (cases per 100 000 people)	Cases reported at national level in Azerbaijan (cases per 100 000 people)
Endocrine system diseases	3 687	115
Circulatory diseases	7 753	634
Digestive diseases	8 674	60











65.4

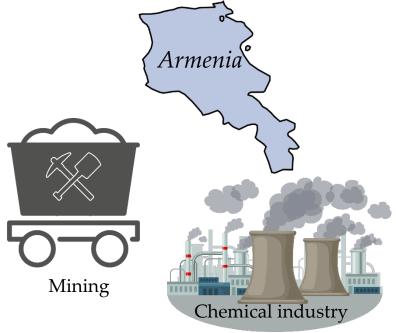




Oil & Gas industry



The World Bank supported the ecological rehabilitation of Apsheron, including the clean-up of two of the most polluted sites: Sabunchu and Surakhani using "dig-and-dump" technology.





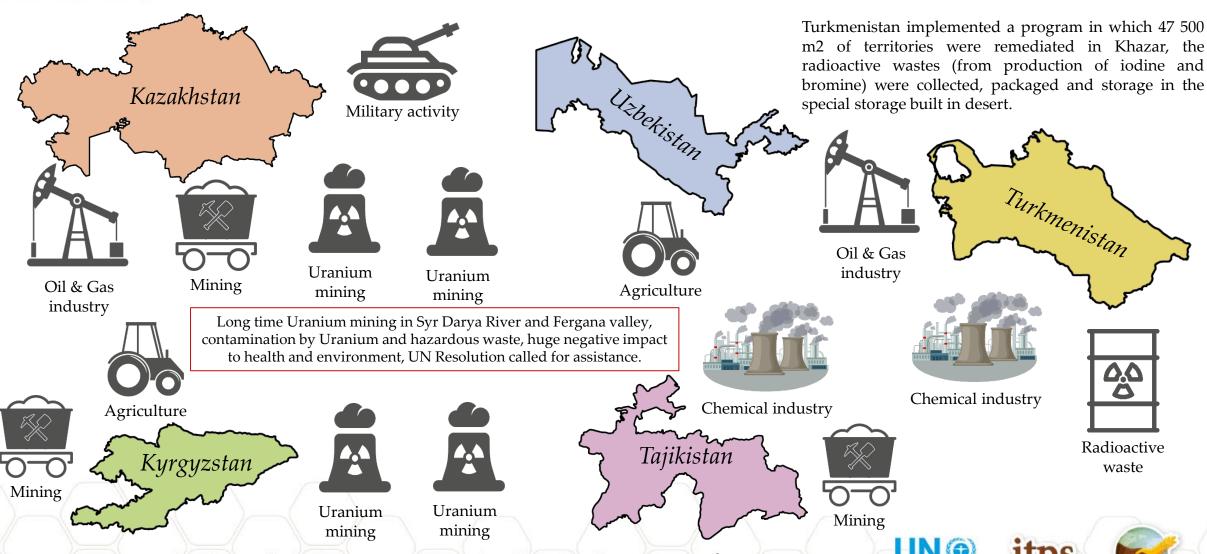






#### Central Asia

#### Limited access to information!



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#### POPs and OPs

Common problems for the region: POPs and OPs contamination, improper using of agrochemical, illegally supplied agrochemical, not certified

POPs waste: Middle Asian countries (242.600 t), Eastern European (44.950 t), Caucasus (2.800 t) OPs waste: Middle Asian countries (76.100 t), Eastern European (34.000 t), Caucasus (17.750 t)

Kazakhstan accounts with 240.400 tones of other POP waste; the RF and Kazakhstan rank highest number of PCB contaminated sites

The RF has large organochlorine production sites (Chapaevsk, Ufa) which created POPs contamination included dioxins

**Gaps:** inconsistently in inventories data, access to info is problematic, particular in the Middle Asian countries, lack of willing to implement the initiatives in elimination.



08/07/2016

The first convoys carrying 400 tones of **OBSOLETE PESTICIDES** from Moldova headed for disposal in Poland.

http://www.fao.org/food-chain-crisis/resources/news/detail/en/c/423744/



Good deal with OP in Moldova: due to international projects in 2006-2007 years 1 150 tones of POPs and 1 060 tones of PCB and PCB-polluted soils were packaged, transported and destroyed abroad.

Good deal with Kazakhstan: 80 tones of electrical transformers and 196 tones of capacitors were incinerated in France after 2015.

IHPA report

http://www.ihpa.info/docs/library/other/improving/Kazakhstan-CR-ENG-1.4.pdf









### Gaps & Expectation

- Gaps: access to information, knowledge gaps, infrastructure and capacity gaps, lack of awareness and political wills.
- Looking forward:
- ✓ Improvement monitoring and reporting
- ✓ Exchange the positive experience in between region
- ✓ Coordination between projects, networking with local authorities & public, involvement of regional experts
- ✓ Technology and knowledge transfer.





