# Ecological situation in Chelyabinsk region



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## Myths

Chelyabinsk region is a radioactive dump, disaster

Chelyabinsk region
is a region where
ecological problems
are no longer
urgent ...

#### Structure of land use

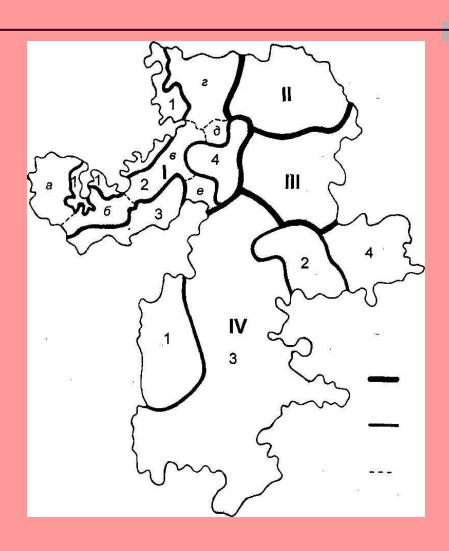
- Agricultural lands- 60 %
  - Forest lands 30 %
- Lands of settlements, industry and transport - 7 %

#### Areas of land use

- Protected areas
- Underdeveloped ares
  - Agricultural areas
- Industrial and urban areas
  - Special areas



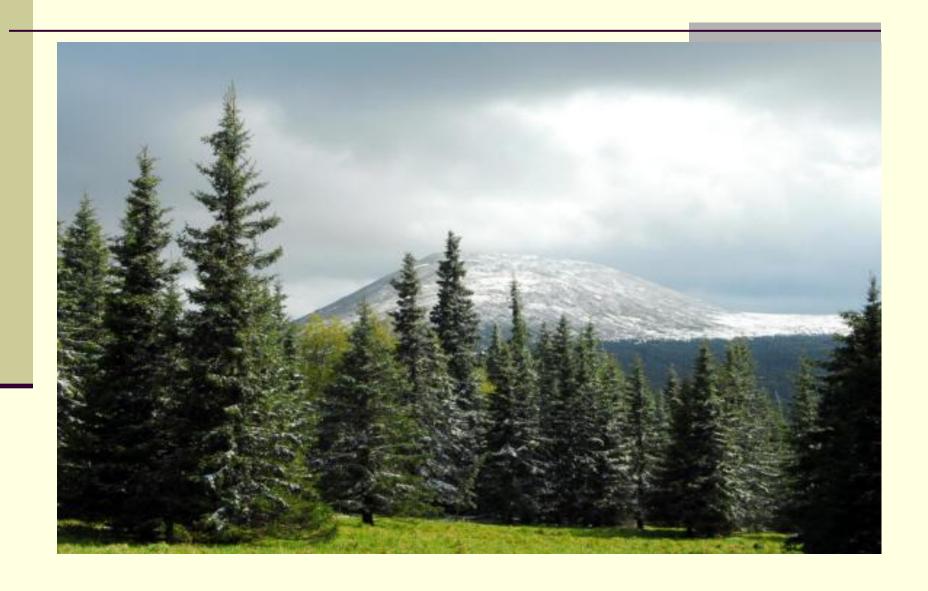
## **Eco-economic zoning**



#### Protected territories − 2 %



## Underdeveloped territories— 20 %



## Agricultural territories— 60 %



#### Industrial and urban territories— 5 %









## Special territories





## Karabash, 200 years of history

1907 1980

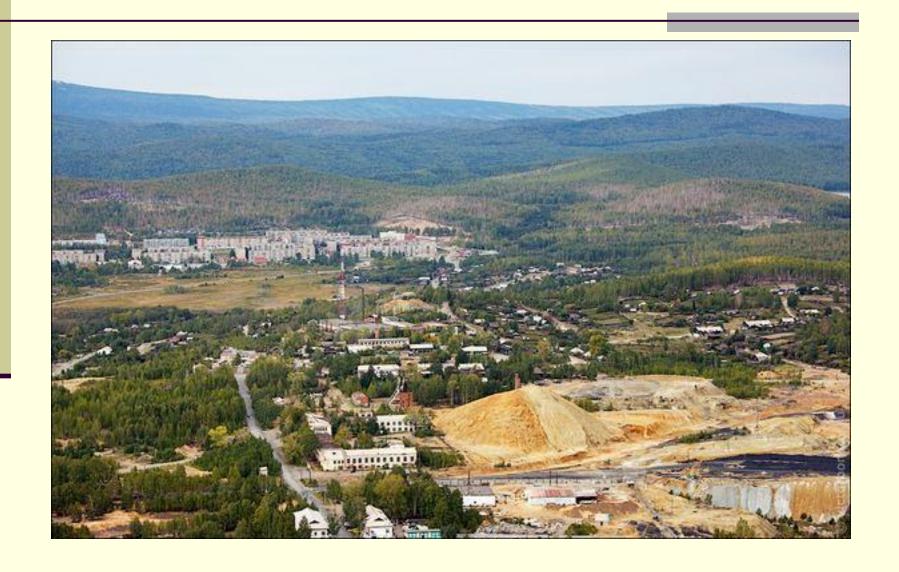




#### Karabash, granulation dumps



## Karabash, mine waste



## Karabash, Ryzhyi (red) brook

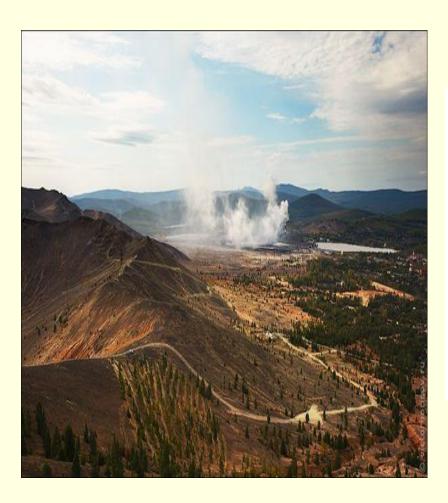


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## Karabash, pyrite deposit



## Karabash, slope erosion





#### Karabash, secondary pollution



## Karabash, lack of sanitary zones

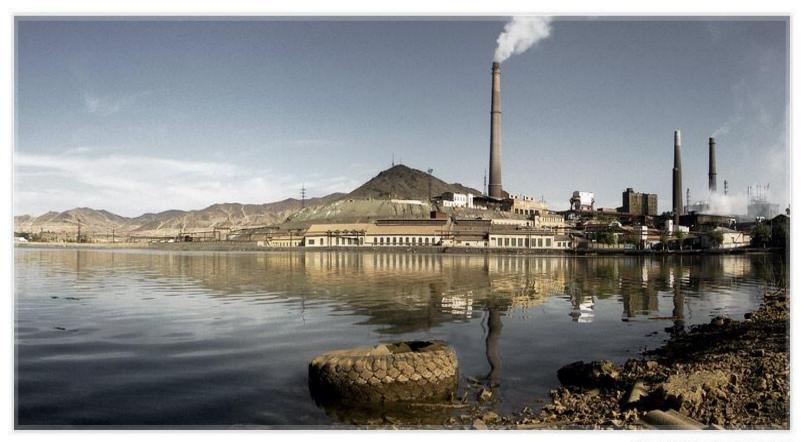


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## Karabash, badland

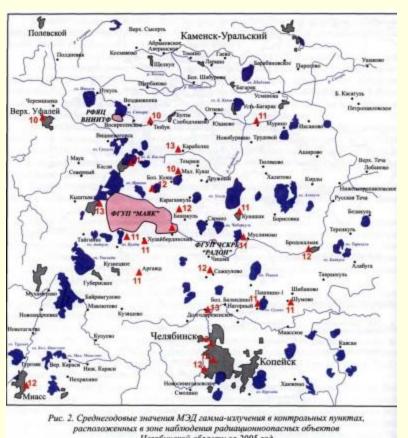


#### Future of Karabash



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#### "Mayak", 60 years of history

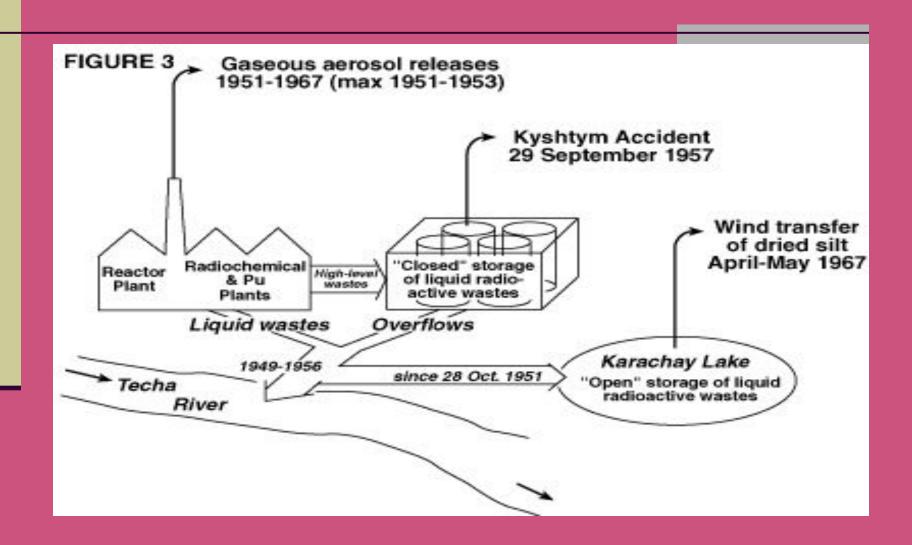


Челябинской области за 2005 год

- ▲ пост дозиметрического контроля ГУ«Челябинской ЦГМС»
- 11 среднемесячные значения МЭД гамма-излучения
- С санитарио-защитная зона ФГУП «ПО "МАЯК"»



#### Radiation accidents



#### The Techa River

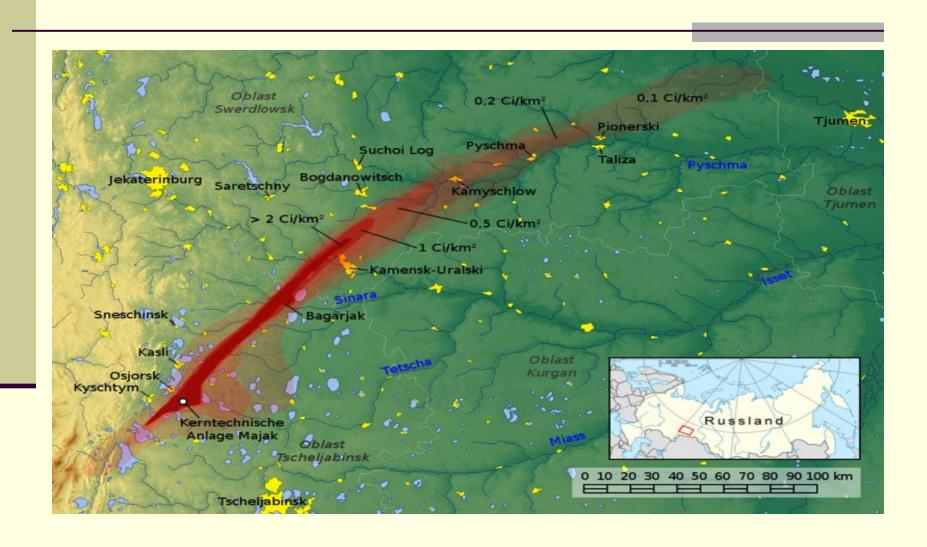


#### Karachai Lake

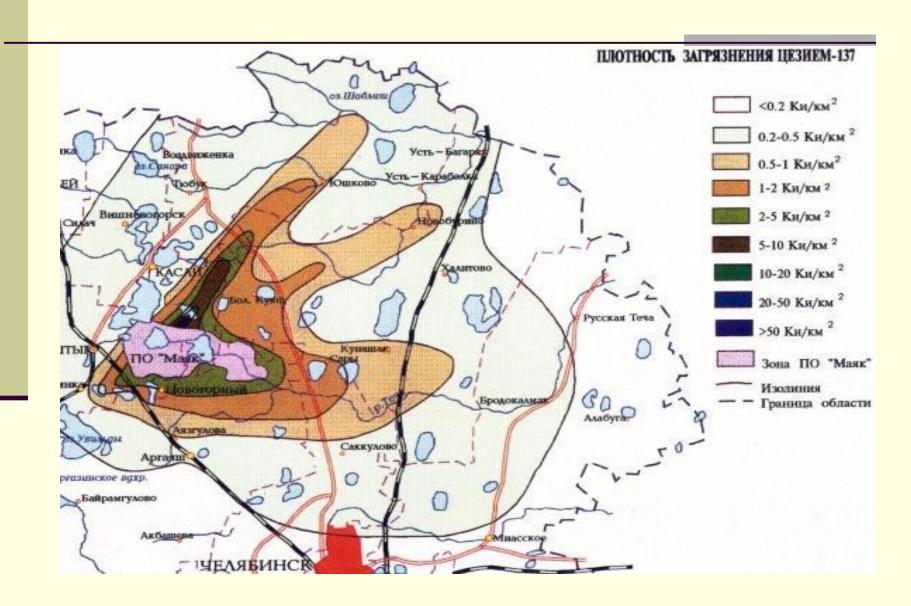




#### EASTERN URALS RADIOACTIVE TRAIL - 57



#### ALWP-67



## Activities aimed at minimizing environmental problems

