

## Tellurium

radioecology

## **Key sources**

- ◆ <u>Nuclear fuel reprocessing</u>
- ♦ Atmospheric nuclear weapons tests
- ◆ Accidental release from nuclear reactors: Chernobyl,
  - <u>Fukushima</u>



## Why is it of interest?

- <sup>132</sup>Te decays to <sup>132</sup>I—a high energy  $\beta$  emitter
- Major contributor (with <sup>132</sup>I) to exposures in the first few days following release from a damaged nuclear reactor
- Distributed worldwide in air
- ◆ <sup>129m</sup>Te and <sup>132</sup>Te have very short half-lives