

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?

- ¹³²Te decays to ¹³²I—a high energy β emitter
- Major contributor (with ¹³²I) to exposures in the first few days following release from a damaged nuclear reactor
- Distributed worldwide in air
- ◆ ^{129m}Te and ¹³²Te have very short half-lives