

• Animal burrows can have high activity concentrations due to radon in radium-rich soils

Radon

radioecology

Key sources

Natural sources: Daughter of ²²⁶Ra. The ²²²Rn short-lived decay products are ²¹⁸Po, ²¹⁴Pb, ²¹⁴Bi & ²¹⁴Po The ²²²Rn long-lived decay products are ²¹⁰Po, ²¹⁰Pb, ²¹⁰Bi

Rn is an ubiquitous gas coming naturally from soil, can reach high levels within confined spaces of buildings

For more information ...

www.UKRadon.org

www.epa.gov/radon

Radon dose calculator



Why is it of interest?

- Natural radionuclide, present in several NORM industries.
- Present high concentrations in underground sites
- Cause of lung cancer in humans (2nd after smoking)
- Daughter of Radium 226
- Internal dose may be important in the biota that live in soil