



Standardisation of radon-in-soil measurements

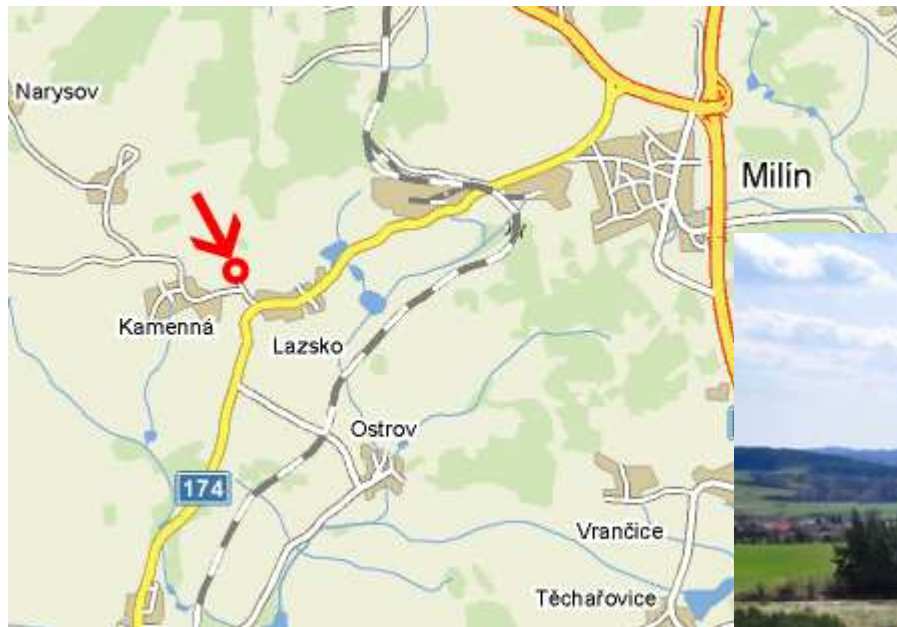
P. Otahal, I. Burian, J. Merta, J. Vosahlik, E. Fialova

State Institute for Nuclear, Chemical and Biological Protection, v.v.i.

otahal@sujchbo.cz



The State Institute for Nuclear, Chemical and Biological Safety



GPS data: 49°37'36.863"N, 13°59'48.613"E



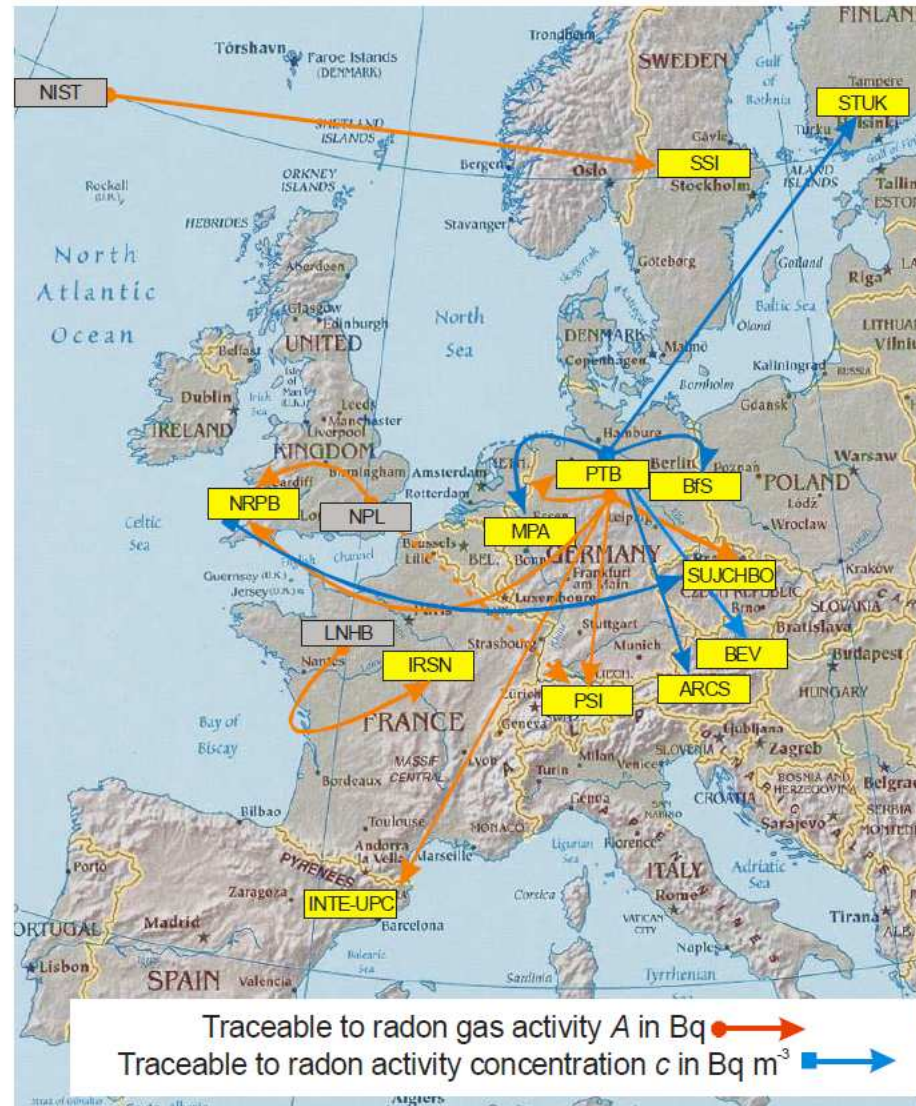
The Czech Authorized Metrological Center for radon

- 26. August 1993 - start of AMC
- 134 companies
- 4503 verification certificates
- Euromet Project 657



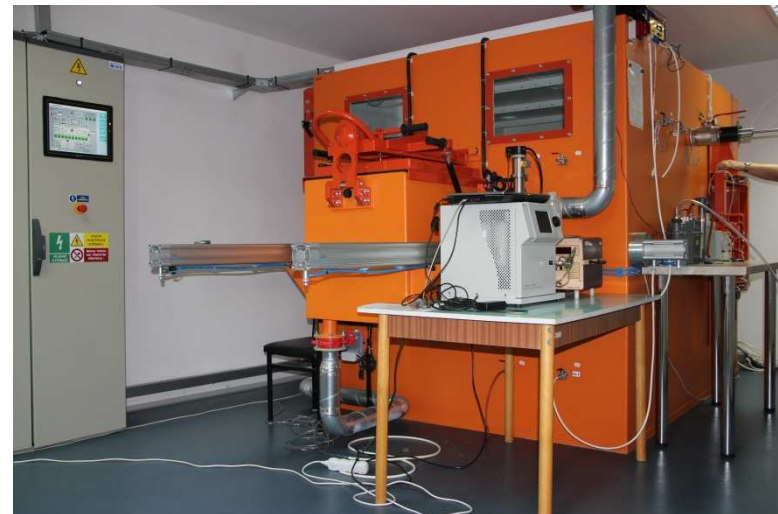
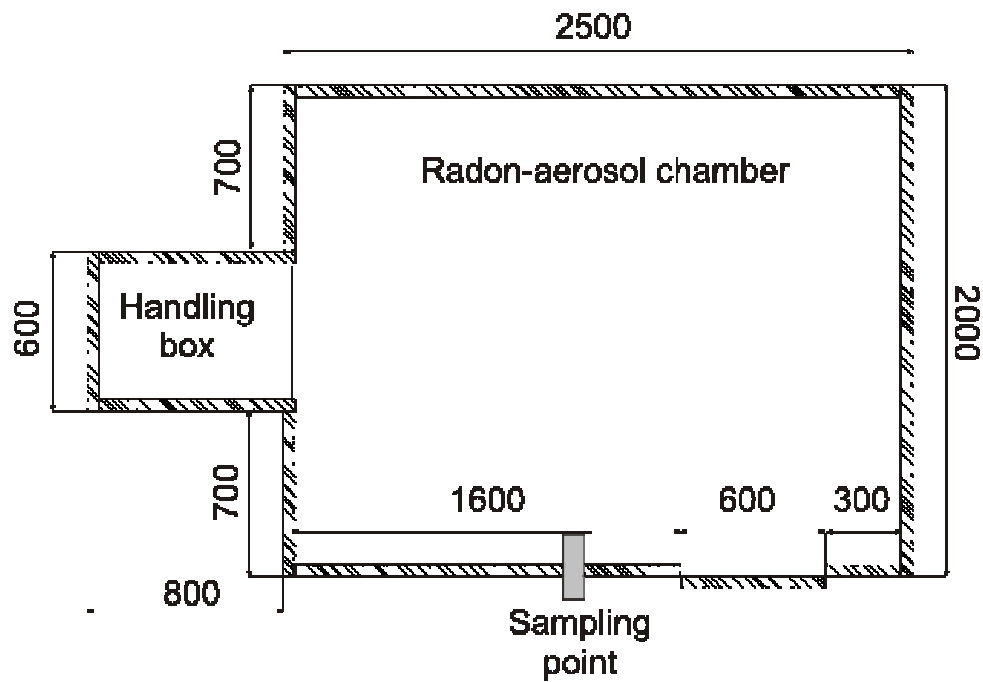
The Czech Authorized Metrological Center for radon

- 26. Augu
- 134 com
- 4503 vei
- Euromet





Radon-aerosol chamber



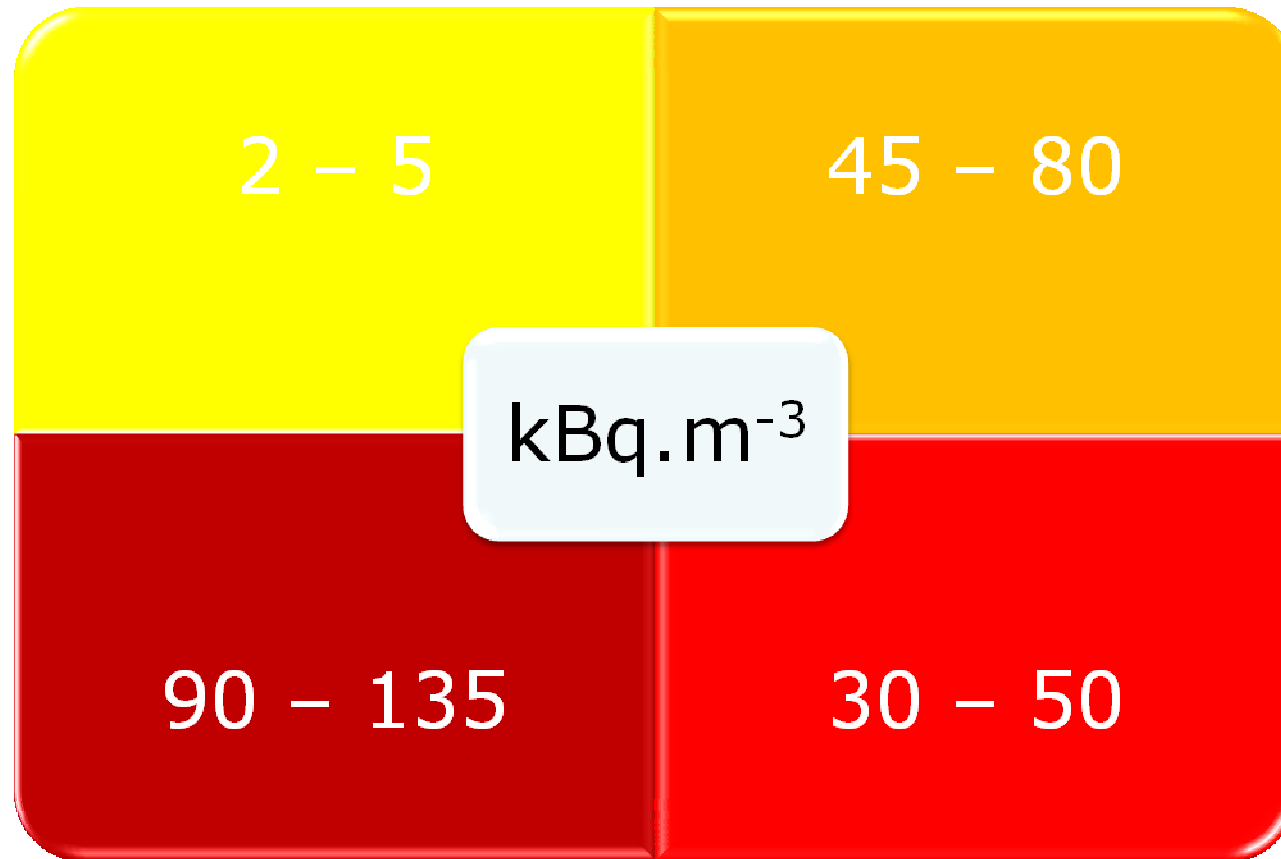


Radon concentration



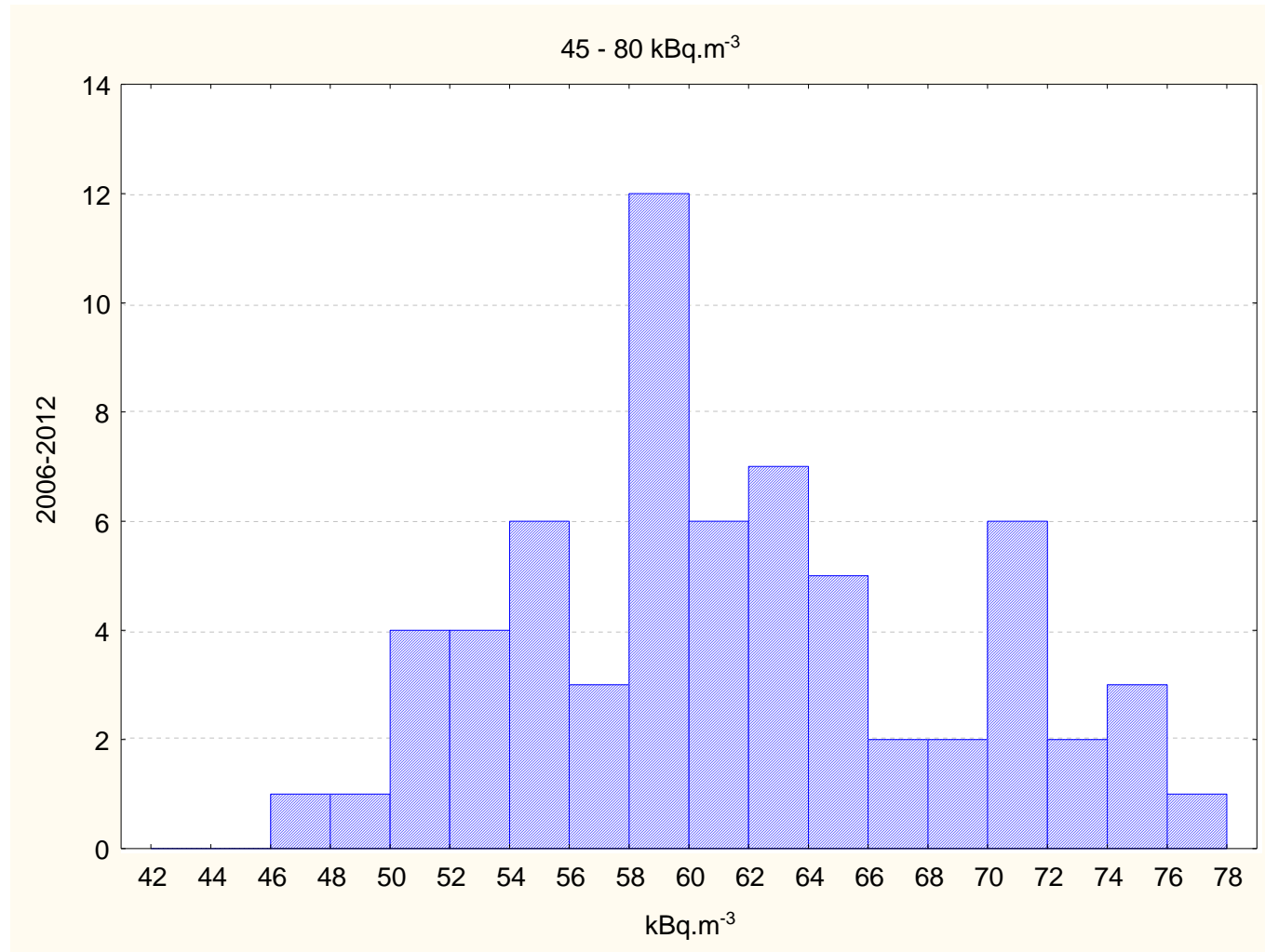


The process of verification





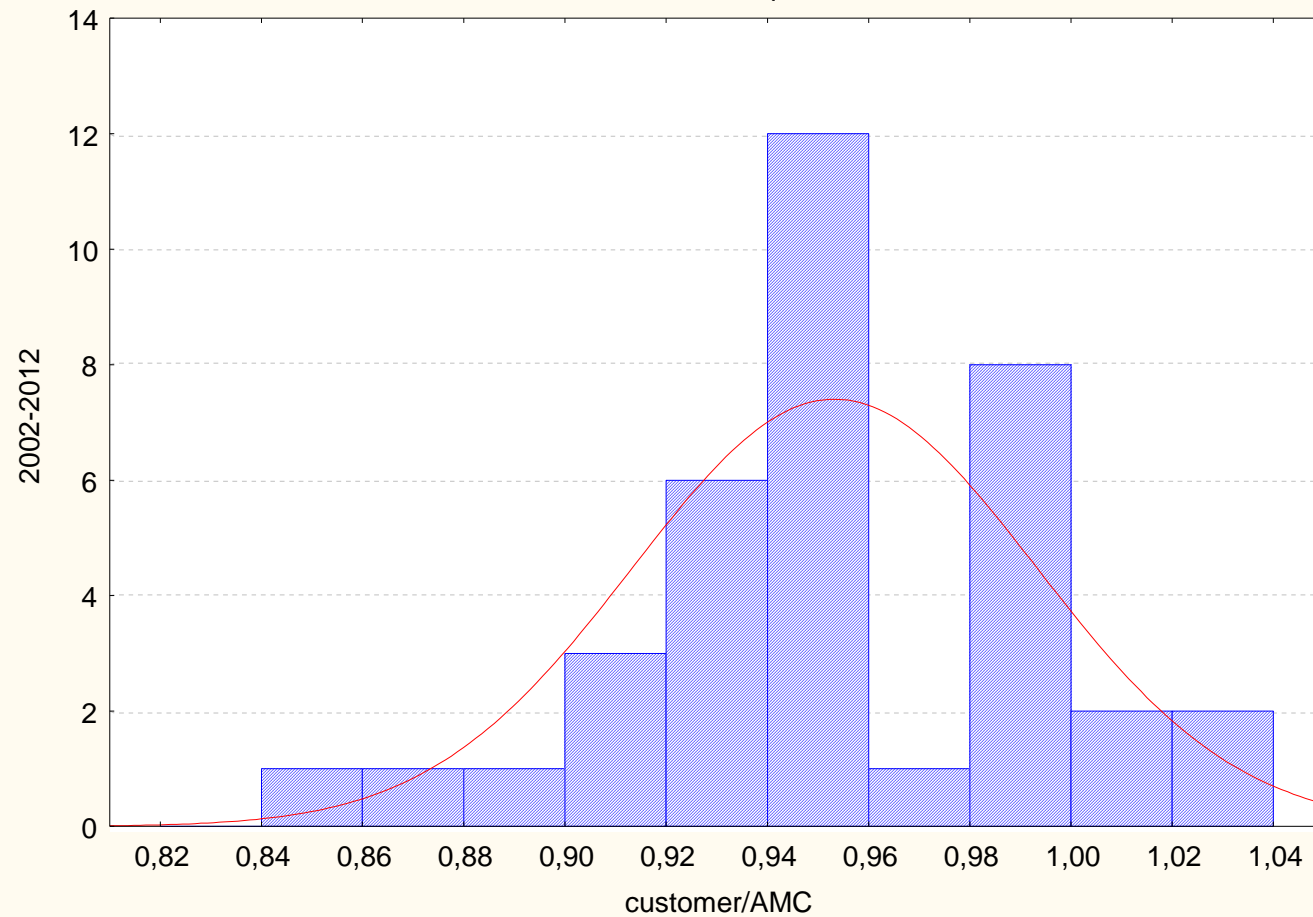
Individual concentrations of II concentration level

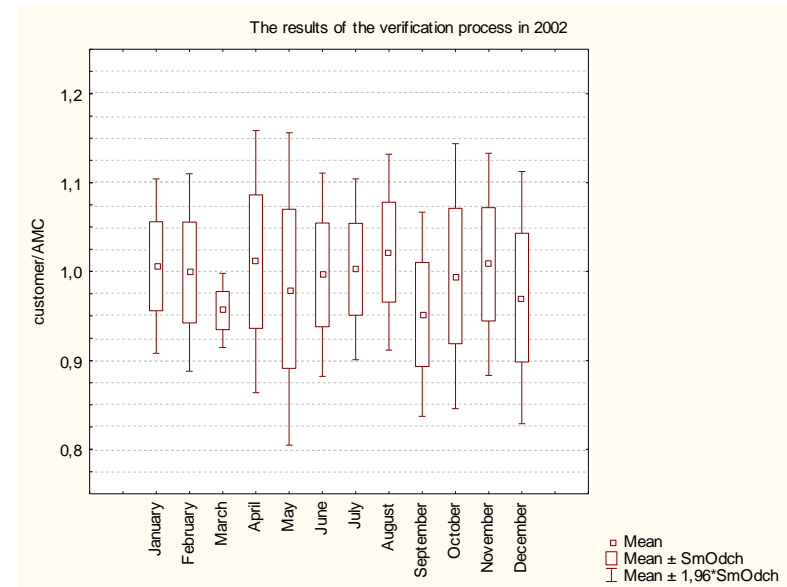
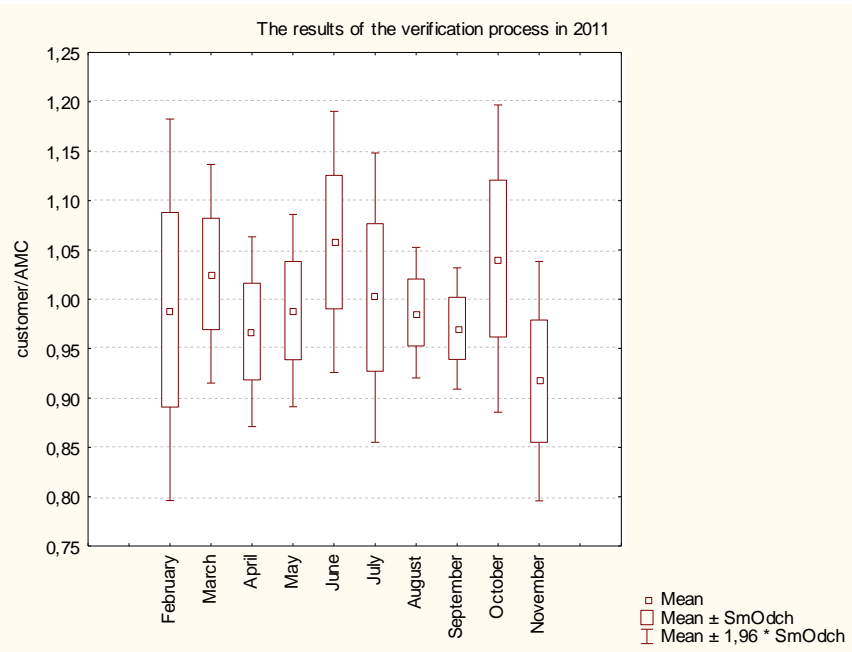




- LUK 1
- LUK 4A
- SISIE

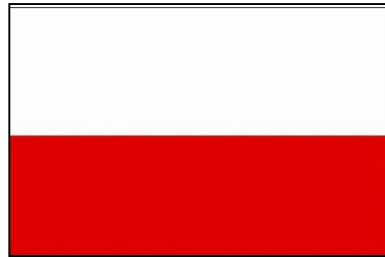
Results of metrological process of one customer
90 - 135 kBq.m³







International cooperation





Thanks for your attention

