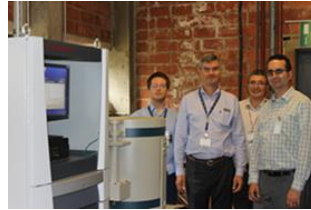


LA Metz, TW Bowyer, JI Friese

Contact: Lori Metz, PNNL, National Security Directorate (lori.metz@pnnl.gov)

Concept

- Backgrounds of xenon isotopes arise from industrial and civil processes.
- The IMS detects radioactive xenon every day from these processes that make radionuclide screening difficult.
- The use of data collected at known facilities may prove useful to remove the effect of these sources.



IRE in Belgium



ANSTO in Australia



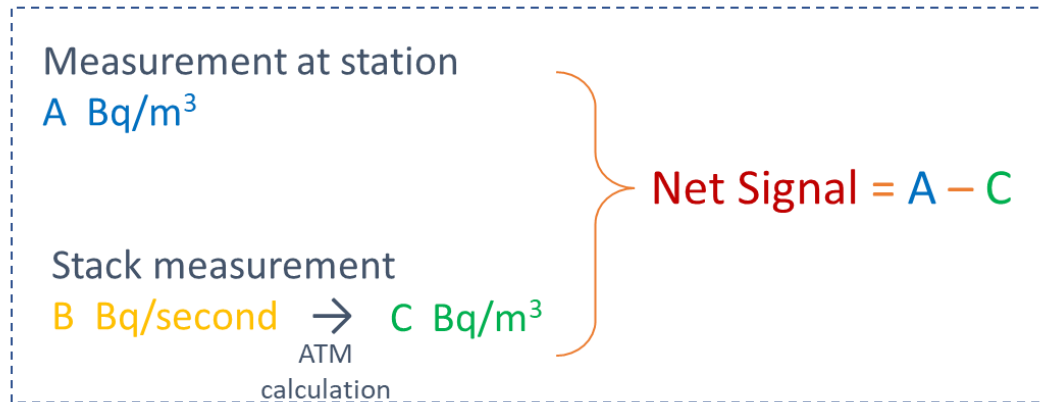
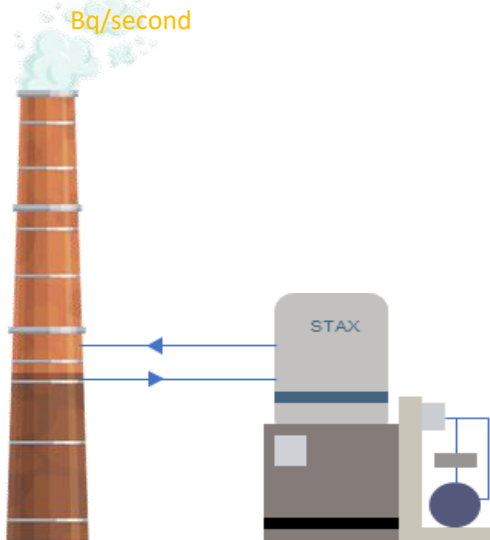
CNEA in Argentina



Hartlepool in UK



Niowave and SHINE in U.S.



Use IRE stack release rate
 ATM: HYSPLIT & NOAA's 0.25°, 3-hr global met data.
 Difference between the measured and modeled

