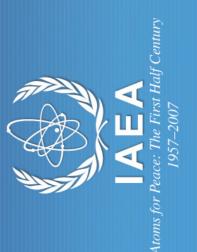
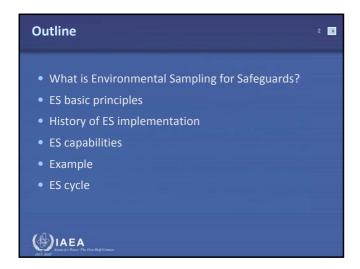
Technical Seminar for Diplomats Vienna, 3-5 February 2009

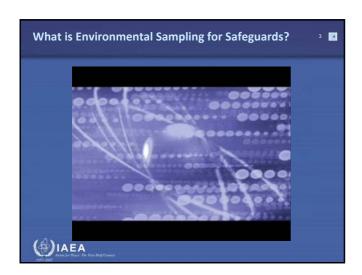
Environmental Sampling as

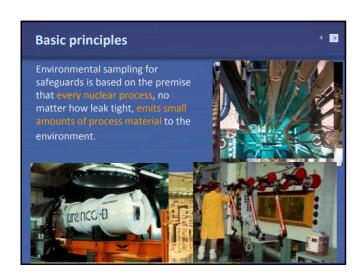
Verification Tool for Safeguards

Maxim Perikin, SGIM-IDS

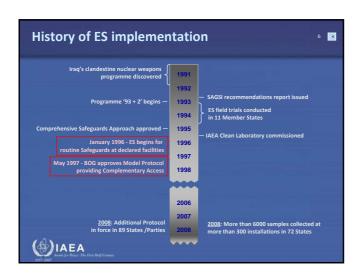










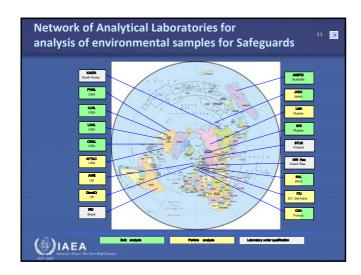




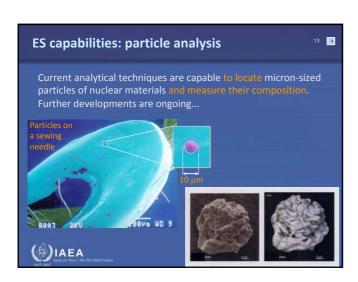




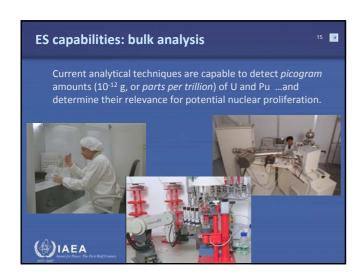


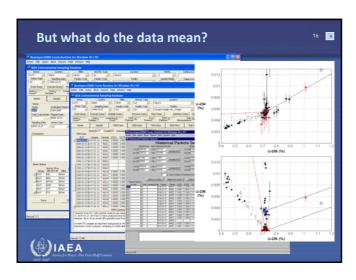


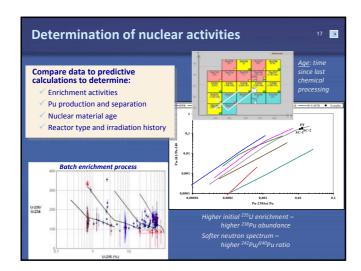


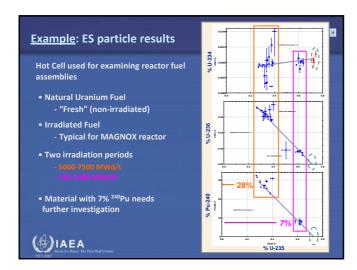


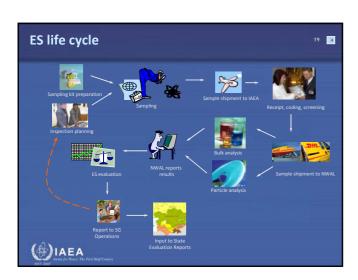












Environmental sampling – a powerful tool for nuclear verification	20
Traces of nuclear material can be detected	
 Their signatures are characteristic to a specific proce where these materals were generated or used 	SS
ES involves:	
✓ Collection of high quality samples	
✓ Sophisticated analytical techniques	
✓ Interpretation of analytical results using a variety of evaluation methods	
 Proven to be one of the most powerful tools of nucle verification 	ar
 Routinely used in safeguards practice in combination with other verification tools 	
(A)IAEA	
As on the Power The First Half Corners	