

EMRAS II

Nuclear Legacy Sites

Potential case studies

- **Sillamäe and Paldiski sites in Estonia**
 - Data coverage and access to data uncertain : (Tkaczyk)
 - Estonian regulators can be contacted (established link with NRPA)
- **Ukraine (Avila)**
 - Access to data (authorisation required)
 - Ukrainian regulators to be invited (SSM already have contact) and are already involved in process
 - Focus on legacy issues in the first instance

Potential case studies (cont.)

- **USA (Walker)**
 - Both U and nuclear legacy sites – possible access to data for remediated sites
 - (Pending) Clarification of requirements and how data to be used in EMRAS
- **Russia (Shandala)**
 - Regulatory framework for legacy sites and available data for legacy sites (Shandala + NRPA)
- **Central Asia**
 - U legacy, possible cases study at one location, NRPA can check to see whether feasible

Working Programme

- Compilation of relevant regulatory documentation related to nuclear and U legacy from different countries + international guidance (USA, Russia, Germany for U sites, others?)
- Examples of experience of application of regulation (remediation at nuclear legacy) from various countries (US, Russia, France, Ukraine)

Working Program cont.

- Back calculation (soil, etc.) from ICRP-82 for different land use (Varga)
- Model application procedure for nuclear legacy sites (Avila, Tkaczyk, Brown, others?)
 - Look at existing models
 - Identify gaps in processes
 - Extract from "mathematical models for contaminated land"
 - Set up, apply and test in ECOLEGO

Time-line

- January 2010 plenary
 - All contact made to establish viability of case study assessments
 - Draft document of GMDP will be sent for comments to all – feedback before January plenary with focus on nuclear legacy problems
 - invitation of regulators to next sub-group meeting (IAEA)
 - Specification to regulators – terms of reference (NRPA)
- March 2010
 - Draft –”mathematical models for contaminated land” – consider relevant information for testing (Avila)
- May 2010 sub group meeting (but open to WG2) with regulators
 - Regulatory requirements
 - Practicalities: can the modelers deliver what the regulators want?

Time-line (cont.)

- May 2010-end 2011
 - Adaptation and Application of models to nuclear legacy sites
- 2012
 - Finalising TECDOC