

# **Urban Remediation Working Group**

# Recommendations for future work

- More work on modelling urban contamination situations would be useful
  - Especially for deliberate events (but also accidental events)
- 2 related Working Groups
  - Modelling of long-term contaminant transfer and countermeasures
  - Modelling of atmospheric dispersion and deposition in an urban setting

# Issues of importance—both groups

- Type of release or dispersion event
- Approaches to modelling a complex city
- Additional radionuclides
- Effect of particle size assumptions
- Different kinds of deposition
- Quantity and quality of input data
- Seasonality
- Location- or country-specific differences

# Issues of importance—atmospheric dispersion group

- Comparison of complex and simple models for atmospheric dispersion in an urban environment
- Data assimilation
- 3-dimensional information about the city

# Issues of importance—contaminant transport and countermeasures

- Additional exposure pathways
- Importance of sewer systems
- Combinations of countermeasures
- Additional processes of contaminant transport
- Other aspects besides dose reduction (e.g., costs, waste generation and management, doses to remediation workers)
- Radioecological situation
- Contaminant situations that do not involve atmospheric dispersion