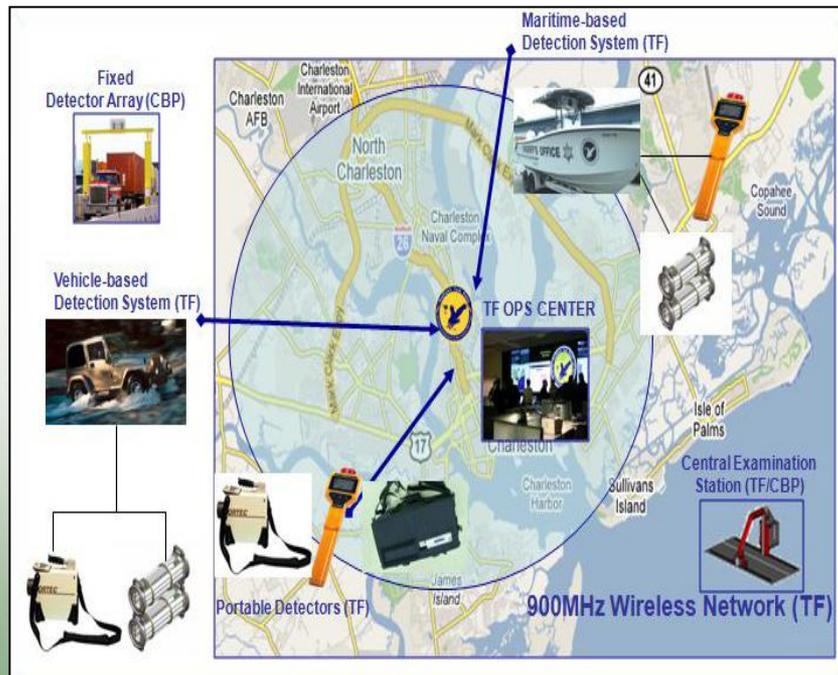


Southern Regional Radiological Pilot Project (SRRPP)

Modeling and Simulation Group

Computational Sciences & Engineering Division



Problem Statement:

- The acquisition of data from mobile radiation detectors around the Port of Charleston and provision of that data to local, regional and national users in such a way that the data can be analyzed and shared with other users.

Technical Approach:

- Data is acquired in the proprietary format of the radiation detector manufacturer and processed into Web Feature Service (WFS) insert statements. Data is inserted in parallel into ArcSDE. The data is displayed and analyzed using ESRI tools and is shared with others using the WFS, ESRI Spatial Database Engine (SDE), and Web Services.

Benefit:

- Data is available in the industry standard format for viewing, analysis, and sharing with others. Additionally, the use of the WFS provides an opportunity to share information both within the organization and with other government and civilian organizations.

Point of Contact: Cyrus M. Smith
865-574-5570
smithcm2@ornl.gov