

Friederike Strebl

Radiation Safety and Applications
Seibersdorf Labor GmbH



CREATIF

Network of Testing Facilities for
CBRNE detection equipment

An FP7-funded project, FP7/2007-2013 under grant agreement no. 217922



SEIBERSDORF
LABORATORIES



BAM
Bundesanstalt für
Materialforschung
und -prüfung

COTECNA



TNO innovation
for life

Final presentation, Brussels May 2011

Agenda



- **Project outline (objectives, partners...)**
- **Results of work packages**
 - Expert networks (WP2)
 - Operational aspects (WP3)
 - Certification concept (WP4)
 - Future of testing – example B-detection
- **Conclusions (message to DG-Ent)**
- **Discussion**



Project details



- Duration 30-month (01.02. 2009 – 30.07.2011)
- 7 partners (6 organizations)
- Coordination action (100% funding direct costs)
- 831.000 Euro budget
- 49 Person Months funded
- Security project (some EU-restricted documents)

CBRNE - definition



- **C** - chemical
- **B** - biological
- **RN** radiological/nuclear
- **E** – explosives



- Chemical warfare agents (CWA), toxic industrial chemicals (TICs)
- Bacteria, virus, spores (pathogens); biological warfare agents (BWA)
- Radionuclides (open/sealed sources; “dirty bomb”), fissile material
- Energetic materials, explosives or precursors

CREATIF - Motivation



- Collect information on Presence & capabilities of **Test Centers for CBRNE detectors**
- Availability of **Standards and Test Protocols**
- **Harmonization of Testing (Quality Assurance, Certification)**
- **Comprehensive** testing of **CBRNE** systems
- **Information Transfer** between **Stakeholders**



CREATIF – Objectives I



- **Database** on Test Facilities & capabilities
- Offer **Discussion platform**
 - **End-user** support and involvement
 - promote **best practice** of testing
 - **suggest** improved test protocols,
 - plan Round Robin Exercises



CREATIF – Objectives II



- **Roadmap for Future Development of Testing**
(including standardization & certification)
 - suggest **Minimum Requirements** of Testing Facilities
 - Compile information on existing **testing standards** and protocols
 - improve **Testing Procedures** to cover Human Factors and Operational Issues
 - ➔ *scenario-based testing*
- agree on **Certification Strategies**
for Facilities and Devices



CREATIF – Results already delivered



- **Glossary of terms** related to testing of CBRN detection systems
- Collection of CBRNE scenarios
- **Database** on Test Facilities (68 labs identified, D.2.1)
- List on **available standards** & protocols (D.2.3)
- Outline for **intercomparison exercises** for testing labs (D.2.4)
- **Operational testing** framework (D.3.1)
- **Certification concept** for testing centers & products (draft)
- Two **workshops** held and proceedings published (Nov.2009; Oct. 2010, ~ 60 participants each)
- 6 Issues of **Newsletter** sent out to 300 stakeholders
- **Web-site** to disseminate with open deliverables

CREATIF Contact



Friederike Strebl

[email: friederike.strebl@seibersdorf-laboratories.at](mailto:friederike.strebl@seibersdorf-laboratories.at)

Seibersdorf Laboratories

A-2444 Seibersdorf

<http://www.creatif-network.eu>

