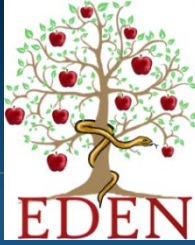


EDEN SESSION



May 5th 2015

End-user driven
DEmo for cbrNe

Prepared by: Clive Goodchild - BAeS
(EDEN coordinator)

Presented by: Brigitte Serreault - Airbus DS
(Technical Coordinator)

CBRN FRAMEWORKS and MARKET

A European Commission Seventh Framework Programme

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Agenda

EDEN – CBRN Frameworks and Market Development 5th May

- 14:00 EDEN Introduction
 - Progress since last CoU
 - Brigitte Serreault on behalf of Clive Goodchild
- 14:15 Presentation “Responding to CBRN Crises in Europe: Drawing Lessons from a Comparative Legal Analysis and On-site Exercises”
 - Dr Matteo Bonfanti Scuola Sant'Anna di Pisa
- 14:45 to 15:45 – General CBRN Round Table Discussions
 - CBRN Legal and Policy Frameworks
 - CBRN Market Development
- 14:45 to 15:45 EDEN Specific Discussion SES/IAI
- 15:45 to 16:30 Summary reporting and closure of meeting

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END-USER NEEDS

- EU CBRN action plan & security plan on explosives
- National institutions and private bodies
- Industry/SME and market needs
- FP7 CBRN Phase 1 demo projects



LINKS TO R&D PROJECTS & PROGRAMMES

- **European Projects**
- **National Projects**

EDEN “*TOOLBOX of TOOLBOXES*”

- Open to all after registration and validation
- Accessible by the EDEN Store (several solutions)
- Different levels of confidentiality
- Demonstrated in three main demonstrations
 1. Food chain and biological contamination
 2. Multi-chemical
 3. Radiological
- End-user, SME and supplier platforms



EDEN WILL IMPROVE CBRNe RESILIENCE BY:

- Shortening time to response
- Reducing the impact on the population, e.g. improved evacuation
- Enhancing protection of sensitive or critical infrastructures
- Achieving a European lead in CBRNE sampling, detection, proficiency testing and forensics
- Reinforcing technological, societal, and psychological resilience

EXPLOITATION

- Improved EU CBRNe resilience
- Development of an affordable civil CBRNE market





- **EDEN ToT AND STORE**
 - **Refinement of the EDEN Store (catalogue, live portal, expert and user networks)**
 - **>170 Tools and toolboxes already on the Store (new, improved, under improvement or combined tools)**
 - **Up to 4 levels of standardized “plugs” between tools (& legacy systems)**
- **DEMONSTRATIONS (responding to gaps identified by users, progressive from table top to field)**
 - **1st demos on Radiological**
 - **Two virtual workshops to date have been held**
 - Purpose: facilitation of preparedness process, especially Civil Emergency Planning/Contingency Planning, for Nuclear Facility.
 - **Consortium and SME/Supplier Platform tools involved**
 - **Third virtual Poland workshop next week**
 - **Initial Field Exercise completed April 2015: more than 250 participants**
 - **1st tool “plugs” testing in a crisis environment**

RN INITIAL FIELD EXERCISE



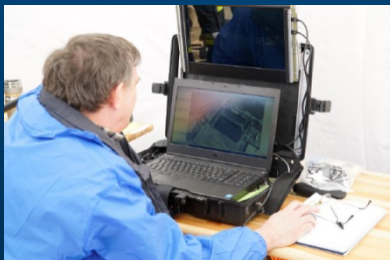
- **Organized in co-operation with**
 - National Headquarters of the State Fire Service of Poland , Provincial Headquarters of the State Fire Service , Main School of Fire Service and Space Research Center Polish Academy of Sciences.
 - **3 day realistic practical exercises with a range of crisis situation regarding radiological threat of public safety**
- **Main purpose of the EDEN RN Initial Field Exercise:**
 - **Connection, validation and evaluation of different tools in the field and in different scenarios,**
 - **Training of integrated responses to the crisis situations,**
 - **Collecting stakeholders views and opinions on the ToT concept and development, including different interfaces.**
- **Three scenarios**
 - Scenario 1 and 2: dirty bomb before and after the explosion, and terrorist attack
 - Scenario 3: lab fire



Selection of Tools and Tool kits used

- EDEN Shared Situation Awareness
- PRACTICE Toolkit
- IF REACT network
- DARIUS Generic Ground Station
- Easyfleye UAV
- Weather Station and propagation modelling
- Radiological Sensors
- JANUS dynamic detection of radiation sources in moving objects
- Mobile ground Robot

And EDEN standardized interfaces





Next Steps

Radiological

- Attack in a nuclear power plant demo in Frascati
- **Large radiological attack starting from Ukraine beginning 2016**

Chemical

- Chemical large casualty tabletop in Norway (medical focus)
- Mass casualty incident in Rome (training and medical)
- **Large Multi- Chemical demo in Antwerp in November**

Biological and food chain

- Food producer and chain B and C demos in Italy and Spain in 2016

Pre-demo phase

- Large demos prepared by an operational support phase, offering a **possible use of the ToT and the Store in a real crisis**

CONTACTS



- **EDEN website**
<http://www.eden-fp7-security.eu/>
- **Links with other projects: Clive Goodchild (coordinator)**
clive.goodchild@baesystems.com
- **End-user platform: Federica di Camillo**
f.dicamillo@iai.it
- **To register your « tools » in the Store (fair & possible demos)**
 - **SME platform: Dominic Kelly**
dominic.kelly@cbrneltd.com
 - **Supplier platform: Olivier Salvi**
salvi@eu-vri.eu



- “Responding to CBRN Crises in Europe:
 - Drawing Lessons from a Comparative Legal Analysis and On-site Exercises
Dr Matteo Bonfanti Scuola Sant'Anna di Pisa

Roundtable

GENERAL ROUNDTABLE – CBRN FRAMEWORKS AND MARKET



Format of discussions

- **Moderator and rapporteur nominated for each table**
- **Silent brainstorming to be conducted for 30mins**
 - Every member of table has a questionnaire
 - You write a response against any/all of the following questions
 - Every 5 minutes the papers will be rotated to the person on the left
 - You then add to the new paper you receive
- **All responses will be non-attributable**
- **Questions to be answered**
 - Q1 What improvements could be made to the existing CBRN Legal and Policy frameworks?
 - Q2 What are your expectations for the CBRN market?
 - Q3 What support could be provided to aid the CBRN market?
 - Q4 How could National and EU resources be pooled to maximise benefits for the community?
 - Q5 What could be improved by EDEN?
- **30 minutes General table discussion**
 - **Rapporteur of the table to note any key message and provide a quick summary (typically 5 key messages per table)**
 - **Papers to be provided to EDEN for further analysis**

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Table moderators and rapporteurs



Table Number	Moderator	Rapporteur
1	Willy Bohn	Philippe Aubert
2	Janet Blatny	Jean-Luc Gala
3	Gerlof de Wilde	Kjersti Brattekas
4	Maarten Nieuwenhuizen	Michael Loescher
5	Plamboeck Agneta	Jean-Claude de Miscault
6	Matteo Bonfanti	Federica di Camillo
7	Laura Birkman	Olga Vybornova
Selex/IAI table (EU frameworks: ERCC & CoEx)	Paola Tessari	Andrea Kropp



- Each General table reports key messages
- Closure of Meeting

End User Driven Demonstrator for CBRNe (313077)

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