Developing a Community of Users in the Disaster Risk and Crisis Management sectors – First steps

Philippe QUEVAUVILLER
Innovation and Industry for Security
DG HOME
Security Research in Horizon2020

- Maintains its mission driven character
- Supports EU internal and external security policies
- Supports the EU industry to be competitive
- Strengthens the involvement of the end-users
- Takes more into account the Societal Dimension
- Includes Cyber-Security
Structure of the Secure Societies Work Programme

Disaster Resilient Societies
Crisis management and civil protection, critical infrastructure protection

Fight against Crime and Terrorism
Forensics, law enforcement capabilities

Border Security
Border crossing points, information management, supply chain security

Digital Security
Privacy, access control, trust eServices, Secure information sharing

Ethical/Societal dimension
Who are the Users in the Disaster Risk / Crisis Management areas?

- Many different disciplines and sectors within CBRN-E and other hazard-related communities, as a matter of simplification, five categories are considered:
  1. **Policy-makers**: EC Policy DGs, Intergovernmental Agencies, Member States Ministries
  2. **Scientists**: Universities, Research Institutes, Research Units linked to Ministries or Industry sectors
  3. **Industry** (including SMEs): Many industry branches in the areas of defence, forensics, civil protection etc.
  4. **Operational units**: First responders, emergency services, police, civil protection units, military units, laboratories etc. + training centres, command control centres
  5. **General public**: NGOs, public at large, education (schools) and training
EU Bodies

Member States (Committees)

Intergovernmental
- EDA
  - Defense
- EEAS
  - Ext. security
- FPI
  - Foreign Policy Instrument
- Frontex
  - Border Control

EU Policies
- DG HOME
  - Internal Security
- DG ECHO
  - Civil protection
- DG DEVCO
  - International cooperation
- DG SANCO
  - Consumer health
- DG ENV
  - Environment
- DG CLIMA
  - Climate Action
- DG GROW
  - Enterprise & Industry
- DG ENER
  - Energy
- DG TAXUD
  - Customs
- DG TRADE
  - Trade
- DG MOVE
  - Transport

EU Research
- DG HOME
  - Secure Societies
- DG RTD
  - Research
- DG CNECT
  - ICT
- JRC
  - Joint Research Centre

+ INTERPOL, NATO, UN Bodies

Industry, Stakeholders, NGO’s, Researchers, Experts, etc.
Why do we want a Community of Users?

• Large span of policies and research projects users, leading to **fragmentation of information** and lost opportunities regarding possible synergies. There is a strong need to boost awareness about:
  1. Research projects
  2. Policy developments
• **User’s needs are insufficiently targeted** and should be considered in the light of research programming
• **Links among scientific outputs and policy objectives** (in particular EU security and industrial policies) are often lacking and interactions will be beneficial

**Why do we consider a single group on Disaster Risk and Crisis Management?**

Despite specific features related to e.g. CBRN-E and Civil Protection, common grounds exist in relation to operational features, justifying that a dialogue be established among the different communities
Man-Made disasters
Terrorist acts
Pandemics

Chemical Biological Radiological Nuclear Explosive

Earthquakes Volcanos Tsunamis Climate extremes etc........

COMMON GROUND: DISASTER RISK AND CRISIS MANAGEMENT (DRCM)

PREVENTION / PREPAREDNESS
DETECTION / SURVEILLANCE
RESPONSE / RECOVERY

Community of Users

RESEARCH POLICY INDUSTRY / SMEs OPERATORS
What do we want to achieve?

- Enhanced **links and interactions** among research, policies, industrial developments and operator's needs for a **better framing of Horizon2020** in the security sector, through a platform of exchange of publicly available information.
- **Developing synergies at European level** and with the Member States to raise awareness and enhance the transfer of research outputs to user's communities.
- **Identifying most promising tools / technologies** and "tailor-made" information sharing to enhance their usability and their access to the market.
Setting the architecture - Mapping principles: per policy sector and operational features

<table>
<thead>
<tr>
<th>POLICY: Technical challenges?</th>
<th>PREVENTION</th>
<th>DETECTION</th>
<th>RESPONSE</th>
<th>HORIZONTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBRN-E ACTION PLAN</td>
<td>• XXXX</td>
<td>• XXXX</td>
<td>• XXXX</td>
<td>• XXXX</td>
</tr>
<tr>
<td>CIVIL PROTECTION</td>
<td>• XXXX</td>
<td>• XXXX</td>
<td>• XXXX</td>
<td>• XXXX</td>
</tr>
<tr>
<td>HEALTH</td>
<td>• XXXX</td>
<td>• XXXX</td>
<td>• XXXX</td>
<td>• XXXX</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>RESEARCH: Response to policy challenges?</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
</tr>
<tr>
<td>• XXXX</td>
</tr>
<tr>
<td>• XXXX</td>
</tr>
<tr>
<td>• XXXX</td>
</tr>
<tr>
<td>2011</td>
</tr>
<tr>
<td>• XXXX</td>
</tr>
<tr>
<td>• XXXX</td>
</tr>
<tr>
<td>• XXXX</td>
</tr>
<tr>
<td>2012</td>
</tr>
<tr>
<td>• XXXX</td>
</tr>
<tr>
<td>• XXXX</td>
</tr>
<tr>
<td>• XXXX</td>
</tr>
</tbody>
</table>

MAPPING

- CBRN-E ACTION PLAN
  - Projet xxx
    - • XXXX
    - • XXXX
  - Projet xxx
    - • XXXX
    - • XXXX

- CIVIL PROTECTION
  - Projet xxx
    - • XXXX
    - • XXXX

- HEALTH
  - Projet xxx
    - • XXXX
    - • XXXX
Examples of links among policies and operational features

- **DG HOME** Internal Security
  - CBRN Action Plan

- **DG ENV / DG CLIMA** Environment / Climate
  - Major accident hazards
  - Flood Directive
  - Adaptation to climate change

- **DG ECHO** Civil Protection
  - EU Civil Protection Mechanism

- **DG SANCO** Consumer Health
  - Serious cross-border threats to health

- **DG TAXUD** Customs
  - Supply chain security

- **PREPAREDNESS**
  - PREVENTION

- **RESPONSE**
  - PROTECTION / RECOVERY

- **DETECTION SURVEILLANCE**

---

**FP7 / HORIZON 2020**

**EU Research**

**EDA** Defense

Joint Investment Programme / EFC
Community of Users

DISASTER RISK AND CRISIS MANAGEMENT

- CBRN-E
- DISASTER RISK MAN.
- CRISIS MANAGEMENT

TECHNICAL / SCIENTIFIC CHALLENGES
Preparedness, prevention, detection, Response, protection / recovery

KEY ACTORS / PROJECTS
- RESEARCH (FP7, H2020)
- POLICY (Policy DGs, MS ministries)
- INDUSTRY SMEs (FP7, H2020 Think tanks)
- OPERATORS (Int. Associations, FP7/H2020 partners)

INTERFACE
- EDEN + Related CBRN-E projects
- COMMISSION DG HOME + Policy DGs
- DRIVER + Related Crisis Mgt projects

OPERATIONAL / IMPLEMENTATION CHALLENGES

MAPPING, ROAD MAPS
SHORT-TERM (Spring 2015)

H2020 FRAMING, INFORMATION EXCHANGES
MEDIUM-TERM (2015 onward)
Community of Users, ctd

INTERFACE

RESEARCH
FP7 / Horizon2020
Update, critical mass, dissemination

POLICY
EC Policy DGs
Member States (via Committees)
Update, implementation
Science-Policy digests

OPERATORS
Dissemination, demonstration,
Targeted information,
Return of experience

INDUSTRY / SMEs
FP7 / Horizon2020
Awareness about new tools,
dissemination

LONG-TERM
(H2020 timeframe)
Better preparing the ground for H2020 projects: CBNR-E (example)

**DG HOME**
Internal Security
- COM(2009) 273 final
  - CBRN Action Plan
- COM(2014) 247 final
  - CBRN-E risks

**DG ECHO**
Civil Protection
- Decision 1313/2013
  - EU Civil Protection Mechanism

**DG SANCO**
Consumer Health
- Decision 1082/2013
  - Serious cross-border threats to health

**DG ENTR**
Enterprise & Industry
- Security Industrial policy
  - COM(2012)417 final
- Internal Security Strategy
  - COM(2010)673 final

**EDA**
Defense
- Joint Investment Programme (dual-use)

**DRS-2-2014**
Tools for detection... of victims after a mass CBRN contamination (triage)
Novel solutions, active end-user involvement, possible use of classified information, possible synergies with EDA (dual-use)
Innovative Action
Conclusions, next steps

How will we proceed?

• **Short-term (Spring 2015):** Mapping of security-related policies and FP7 projects (first draft distributed to you for further reviews) to be complemented with projects from DG R&I and CNECT, as well as EDA-funded projects – Feedback expected from policy representatives and project coordinators. Consolidated document available at the 2nd CoU meeting

• **Medium-term (Spring to December 2015):** Collecting views and inputs on H2020 developments from CoU participants – Operationalising the links among future research projects and policy sectors

• **Long-term:** Consolidation of the CoU exchange platform with expected supporting impact on H2020 and policy implementation – enhanced links with users, return of experiences from industry and operators (access to market)