EU activities in disaster prevention and risk management

European Commission
DG Humanitarian aid and civil protection
Four priorities for action at the local, national, regional and global levels

1. Understanding disaster risk

2. Strengthening disaster risk governance to manage disaster risk

3. Investing in disaster risk reduction for resilience

4. Enhancing disaster preparedness for effective response, and to “Build Back Better” in recovery, rehabilitation and reconstruction
Union Civil Protection Mechanism

- Council Decision No. 1313/2013/EU

- Prevention
  - National multi-hazard risk assessments
  - Assessment of MS risk management capabilities
  - Other activities (e.g. peer reviews, knowledge)

- Response and Preparedness
  - Improved planning (scenarios, mapping)
  - European Emergency Response Capacity
  - Emergency Response Coordination Centre
  - Training network, Lessons learnt programme
Risk Assessments - Policy Context

Civil Protection from voluntary to commitment set out in legislation:

- Union Civil Protection Mechanism
  Article 5 1.(b) – COM support/promote MS risk assessment activities
  Article 5 1.(c) – COM cross-sectoral overview and map
  Article 6(a) – MS deadline December 2015

Other EU policies:

- Climate Change Adaptation
- Floods Directive
- Structural funding
Developing National Risk Assessments


Information from 20 Participating States

Data comparability
- Terminology
- Methodology
- Risk matrix

Scenario building

![Risk Matrix Diagram]

Key
- Very high
- High
- Medium
- Low

Humanitarian Aid & Civil Protection
# List of hazards included in National Risk Assessments

<table>
<thead>
<tr>
<th>Natural hazards</th>
<th>Frequency of denomination</th>
</tr>
</thead>
<tbody>
<tr>
<td>Floods</td>
<td>20</td>
</tr>
<tr>
<td>Severe weather</td>
<td>17</td>
</tr>
<tr>
<td>Pandemics/epidemics</td>
<td>14</td>
</tr>
<tr>
<td>Wild/Forest fires</td>
<td>13</td>
</tr>
<tr>
<td>Livestock epidemics</td>
<td>12</td>
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<tr>
<td>Earthquakes</td>
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<tr>
<td>Landslides</td>
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<tr>
<td>Droughts</td>
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<tr>
<td>Space weather</td>
<td>4</td>
</tr>
<tr>
<td>Volcanic eruptions</td>
<td>3</td>
</tr>
<tr>
<td>Harmful organisms</td>
<td>2</td>
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<tr>
<td>Tsunamis</td>
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</table>

<table>
<thead>
<tr>
<th>Man-made hazards</th>
<th>Frequency of denomination</th>
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<tbody>
<tr>
<td>Industrial accidents</td>
<td>16</td>
</tr>
<tr>
<td>Nuclear/radiological accidents</td>
<td>15</td>
</tr>
<tr>
<td>Transport accidents</td>
<td>11</td>
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<tr>
<td>Terrorist attacks</td>
<td>9</td>
</tr>
<tr>
<td>Cyber-attacks</td>
<td>8</td>
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<tr>
<td>Loss of critical infrastructure</td>
<td>8</td>
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<tr>
<td>Disruption in supply</td>
<td>6</td>
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<tr>
<td>Public disorder</td>
<td>5</td>
</tr>
<tr>
<td>Environmental Marine/coastal pollution</td>
<td>3</td>
</tr>
<tr>
<td>CBRN attacks</td>
<td>3</td>
</tr>
<tr>
<td>Water/food contamination</td>
<td>2</td>
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<tr>
<td>Refugees/unmanaged migration</td>
<td>2</td>
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<tr>
<td>Crisis outside the EU</td>
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</table>
Overview of Risks

Council Conclusions, 11.4.2011

Union Civil Protection Mechanism: Art.5.1(c) – EC to prepare a cross sectoral overview

Commission Staff Working Document on an Overview of natural and man-made risks in the EU, SWD(2014) 134

Floods 1 of 12 risks addressed
Looking ahead

Policy relevance

- European Floods Directive
- Climate change adaptation; environment; health; agriculture; energy; transport; industry; security and defense; research; regional policies
- Integrated threat assessment (Solidarity Clause)
- Risk Management Capability Assessment Guidelines

Building on existing cooperation – Danube and Baltic initiatives

Cross-sectoral & cross-border approach – cascade effects / scenarios

Emerging risks – climate change, space weather, etc.
Risk Management Capability Assessment

Guidelines for Assessment

**Capacity:** Technical – administrative - financial

**Dimensions:** risk assessment – planning – implementation measures

Self-assessment
Improving knowledge

Prevention and Preparedness projects

- DAMSAFE
- CBA Flood
- SMART WATER

Work with JRC

- Disaster Loss Data Recording

Networked approach – towards a knowledge centre

- Developing networks
- Improving the use and uptake of scientific research
- Improving DRM science and technology
Disaster Risk Management Knowledge Centre

Promoting the Interface between Science and Policy

3 types of activities

- **PARTNERSHIPS**
  - Improving science-based services through networks and partnerships

- **KNOWLEDGE**
  - Improving the use and uptake of research and operational knowledge

- **FACILITIES**
  - Advancing technologies and capacities in disaster risk and crisis management
Mainstreaming prevention

**EU Climate Change Adaptation Strategy** (April 2013)

**Cohesion funds** (2014-2020)

**Horizon 2020**

**Increased use of disaster insurance policies** (Green Paper 2013)

**Integration of DRR in EU policies** (i.e. Environmental Impact Assessment, nuclear safety, cross border health; green infrastructure; construction, critical infrastructure, off-shore safety)
International Cooperation

Sendai Framework for Disaster Risk Reduction
- Priority 1: Understanding risk
- Priority 3: Investing in DRR for resilience

Post development agenda /SDGs/Climate

International cooperation on DRM:
- Candidate, potential candidate and neighboring countries (IPA)
- International partners (e.g. Japan, USA)
Thank you for your attention.

More information on what we do: