UPDATE FROM THE EUROPEAN COMMISSION

DG ECHO Civil Protection Units
The EU CP Mechanism in a Nutshell

- Framework for cooperation in disaster response, preparedness and prevention
- Natural and manmade disasters, inside and outside EU
- European Commission + 31 Participating States
Covering a wide range of disasters

- Natural disasters
  - Floods, earthquakes, forest fires

- Manmade disasters
  - Environmental disasters (Deepwater Horizon)
  - Complex emergencies (Georgia 2008)
  - Terrorist attacks (medical evacuation Mumbai)

- Health emergencies
  - H1N1 crisis (medical support Bulgaria, Ukraine)
EU Mechanism Operations 2010

HAITI
Earthquake: 12.01-06.04
- 26 PS
- 3 EUCP teams (7 weeks, 13 experts + 3 MIC LO)
- 12 USAR teams – 25% of all USAR deployed, 2 field hospitals, 43 AMPs & medical teams, water purification, 7 assessment teams, tents for 20,000 people – 60% of all tents by 31 Jan, 1 base-camp (300 people capacity), € 4.37 mil for transport grants.
- 3 PA* modules (TAST, field hospital, water p.u.)

ALBANIA
Floods: 07-21.01
- 1 EUCP team (5 experts, 1 MIC LO & 1 UNDAC associated expert)
- 8 PS (AT, GR, SI, IT, FR, HR, SK, BE): water pumps, generators, medicines, helicopters, expert teams, boats, other relief items

UNITED STATES
US Oil Spill – Deep Horizon: 29.04 (monitoring), 27.05 (request for assistance)
- several PS offered assistance: DE, EMSA, FR, IE, NL, NO, SE – sweeping arms, skimmers, containment boom, fire boom, busters

POLAND
Floods: 19.05 – 25.06.2010
- 8 PS (DE, FR, CZ, DK, NL, EE, LV, LT): 50 high capacity pumps, 20 expert teams (over 250 rescuers)
- 1 MIC LO
- 1 PA* module (high capacity pumping)

HUNGARY
Floods: 25.05 – 01.07.2010
- 3,408,000 sandbags have been accepted from 8 PS (NO, SI, RO, NL, CZ, HR, DE, BG) and Switzerland, Moldova, Ukraine

CHILE
Earthquake: 27.02-07.06
- 9 PS (AT, BG, SK, FR, DE, IT, ES, SE, UK): power generators, tents, water purification, experts (medical, USAR, etc), 8 mechanical bridges, 1 field hospital with surgery rooms, other relief items
- 1 EUCP team (5 experts + 1 MIC LO)
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FRANCE
Forest fires: 30.08.2010
- EFFTR (2 Can CL215)

PORTUGAL
1. Forest fires, 13-24.08
- EFFTR (2 Can CL215)
2. Forest fires, 31.08-03.09
- IT: 2 Can CL415
3. forest fires, 05-12.09
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ROMANIA
Floods: 02.07 – 16.07.2010
- 4 PS (AT, BE, DE, HU) provided assistance: pumps, pwr gen, geotextile
- other PS offered assistance: PL, EU RRC – FR and BFC, BG, LU

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UKRAINE
Environmental preparedness mission: 01-09.03 – potential tailing dam collapse (Kalush) - Joint UN-EU mission
- 2 experts (NO) & 1 MIC LO
- report underlines critical threats and recommendations for priority measures

PAKISTAN
Floods: 03.08 – on going
- 1 EUCP team (5 experts, 2 MIC LO)
- EU Air Bridge – 12 flights (AT, BG, DE, DK, FR, IT, SE, UK): shelter, water purification, medicines, NFI
- 3 flights co financed by CZ and FI
- 8 requests for transport co financing
- several PS sent assistance: AT, BG, CY, DE, DK, ES, FR, GR, HU, IT, LT, MT, NO, SE, SK, UK

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30 September 2010

Monitoring status: Iceland volcano (15.04-18.05), Forest Fires in Russia (03.08.2010)
Pre-alert (early warning message) status: Ukraine Floods (02.07.2010)
Mechanism activations (requests for assistance):
- not followed by delivering assistance or deploying experts through the Mechanism: Tajikistan floods (11.05); Guatemala tropical storm (01.06); Cuba oil spill potential effects (25.06);
- facilitating resource identification: UK salt for roads (09-26.01); Netherlands salt for roads (11-25.01).
Prevention: Feedback from EU institutions

- **European Parliament**
  - Own initiative report (ENVI) with contributions from relevant EP committees (AGRI, REGIO, LIBE) adopted in September plenary (21/09)

- **Council**
  - Council Conclusions on a Community framework on disaster prevention within the EU, 30/11/09
  - Council Conclusions on prevention of forest fires within the EU, 26/04/10

- **EESC and CoR have adopted opinions**
Main activities – Improving the knowledge

• **2010**: work with EEA and specific stakeholder groups
  – Evaluation of data on the occurrence of hazards/disasters and their impact
  – Identification of comparability issues, data needs from policy makers, information gaps
  – Meeting organised in Copenhagen with the EEA on 19 and 20 May 2010.
## Impacts of natural hazards in Europe 1998-2009

Disasters caused by natural hazards caused nearly **100,000 fatalities** and about **150 billion € in economic losses**

<table>
<thead>
<tr>
<th>Hazard type</th>
<th>Recorded events</th>
<th>Fatalities</th>
<th>Mio. people affected</th>
<th>overall losses (bn €)</th>
<th>insured losses (bn €)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storm</td>
<td>155</td>
<td>729</td>
<td>3.803</td>
<td>44.338</td>
<td>20.532</td>
</tr>
<tr>
<td>Extreme temperature events</td>
<td>101</td>
<td>77 551</td>
<td>0.005</td>
<td>9.962</td>
<td>0.186</td>
</tr>
<tr>
<td>Forest Fires</td>
<td>35</td>
<td>191</td>
<td>0.163</td>
<td>6.917</td>
<td>0.097</td>
</tr>
<tr>
<td>Drought</td>
<td>8</td>
<td>0</td>
<td>0</td>
<td>4.940</td>
<td>0.000</td>
</tr>
<tr>
<td>Flood</td>
<td>213</td>
<td>1 126</td>
<td>3.145</td>
<td>52.173</td>
<td>12.331</td>
</tr>
<tr>
<td>Snow avalanche</td>
<td>8</td>
<td>130</td>
<td>0.01</td>
<td>0.742</td>
<td>0.198</td>
</tr>
<tr>
<td>Landslide</td>
<td>9</td>
<td>212</td>
<td>0.007</td>
<td>0.551</td>
<td>0.206</td>
</tr>
<tr>
<td>Earthquake</td>
<td>46</td>
<td>18 864</td>
<td>3.978</td>
<td>29.205</td>
<td>2.189</td>
</tr>
<tr>
<td>Volcano</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0.004</td>
<td>0.000</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>576</strong></td>
<td><strong>98 803</strong></td>
<td><strong>11.112</strong></td>
<td><strong>148.831</strong></td>
<td><strong>35.739</strong></td>
</tr>
</tbody>
</table>

Source: EM-DAT
Information needs and data gaps

>> for some hazards, no comprehensive overview is available

Needs include:

• Further spatial information (vector data, spatial resolution, GIS-data)
• Inclusion of more events and impacts (e.g. including impacts on ecosystems or smaller events)
• Improved and standardized definitions and terminology for economic losses and/or damage costs (e.g. including reconstruction costs), affected people, etc.
• Making more data publicly accessible
• Validation of country specific data by MS and QA/QC in general
• Harmonization of methodologies, data and data models.
Prevention – key ongoing activities

- **EU guidelines on risk assessment and mapping (2010)**
  - Building on existing Member States experience in risk assessment to identify best practice

- **Innovative solutions for financing disaster prevention (2010)**
  - Council Conclusions on use of EU funding, disaster risk insurance, transfer solutions
  - Catalogue of prevention measures

- **Best practice programme leading to EU guidelines on minimum standards for disaster prevention (2012)**
  - Several areas covered ranging from general governance of disaster prevention to the prevention of specific disasters
1. Process
2. Definition of terms
3. Methods Risk Assessment
   1. Risk identification
   2. Risk analysis
   3. Risk evaluation
   4. Uncertainty: Sensitivity Analysis, Precautionary Principle
   5. Cross-border dimension
4. Methods of Risk Mapping
5. Annexes with good-practice examples per hazard etc.
Main activities – International cooperation

- Emphasise disaster prevention in upcoming cooperation initiatives with third countries
- Coordinate with the International Strategy for Disaster Risk Reduction and ensure close ties with the EU Strategy for Disaster Risk Reduction in developing countries
Prospects for the future

- **Prevention**: overview of the major risks the EU may face in the future (2012), based on national risk assessments

- **Preparedness**: Towards EU Disaster Management Training Arrangements (EUDMTA) based on network of national training centres

- **Response**: EU Disaster Response Capability