Asia-Pacific Expert Group on Disaster-related Statistics

Fourth Meeting of the EGES
Czech Statistical Office, Prague
3-5 May 2017
Objective

- Disaster Related Statistics Framework (DRSF)
- A basic range of disaster-related statistics
  - Process of global consultation & outreach
  - Input for supporting implementation of Sendai Framework and SDGs
Method of work (2014-17)

• Sharing of best practices
• Pilot studies (proof-of concept outputs)
• Joining with other initiatives
• In-depth in-person discussions and online consultations

Phases of Disaster Risk management

- **Peace time: risk reduction, mitigation, preparedness**
  - new measures, policies, mechanisms

- **Peace Time: Risk identification**
  - prioritizing investments
  - development without creating new risk

- **Emergency Response**
  - Determine scope, prioritization of response
  - How to manage needs most efficiently

- **Medium & Long-term recovery**
  - Scope and prioritization for economic recovery
  - Re-investments in risk reduction
<table>
<thead>
<tr>
<th>Disaster risk</th>
<th>Direct Impacts to environment and cultural heritage</th>
<th>Indirect Impacts</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Vulnerability</td>
<td>Direct Impacts to environment and cultural heritage</td>
<td></td>
</tr>
<tr>
<td>- Coping capacity</td>
<td>- Economic Loss</td>
<td></td>
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<tr>
<td>Exposure to Hazards</td>
<td>- Affected Population</td>
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<td>Slow processes resulting in disasters</td>
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Disaster risk reduction activity, expenditure
Hazard Exposure

• Population in hazard/disaster areas
• Combination of high geographic resolution modelling of population data with scientific mapping of hazards
Using Indicators to Assess the Challenges

**Death per occurrence, 2012-16**

- Other countries or areas: 13
- North America: 10
- Latin America and Caribbean: 18
- Europe: 33
- Africa: 74
- World Aggregates: 53
- ESCAP: 71

**Number of events, 2012-16**

- ESCAP Aggregates: 45%
- Other regions: 55%

ESCAP calculations, based on data from CRED/EM-DAT
Direct Impacts Data Model

Indicator reporting:
Sendai FW Indicator B1
SDG Indicator: 1.5.1/11.5.1/13.1.1

Indicator reporting:
Sendai FW Indicator C1
SDG Indicator: 1.5.2

Adapted from OECD (2016): “Improving the Evidence Base on Costs of Disasters”
Impacts to environment and cultural sites and heritage
Environmental vulnerability
Thank you for questions...

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