Climate change and disaster risk
Number of climate-change related disaster occurrences, 2011-2015
Climate-related disaster by subregions

- East and north east asia
- North and Central Asia
- South and South-West Asia
- south east asia
- Pacific
Number of Climate related disaster by type
Deaths per occurrences of climate change-related disasters, 2011-15

- World
- North America
- Latin America and Carib.
- Europe
- Africa
- ESCAP
Deaths per occurrence of climate change-related disasters, 2011-5

- South-East Asia
- South and South-West Asia
- Pacific
- North and Central Asia
- East and North-East Asia
- ESCAP
Global Climate Risk Index (CRI)

- Germanwatch
- Data source: Munich Re NatCatSERVICE
- The index is the weighted average of:
  - Number of death (1/6)
  - Number of deaths per 100,000 inhabitants (1/3)
  - Sum of losses in US$ in PPP (1/6)
  - Losses per unit of GDP (1/3)
Table 1: The Long-Term Climate Risk Index (CRI): the 10 countries most affected from 1995 to 2014 (annual averages)

<table>
<thead>
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</thead>
<tbody>
<tr>
<td>1 (1)</td>
<td>Honduras</td>
<td>11.33</td>
<td>302.75</td>
<td>4.41</td>
<td>570.35</td>
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<td>2 (2)</td>
<td>Myanmar</td>
<td>14.17</td>
<td>7137.20</td>
<td>14.75</td>
<td>1140.29</td>
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<td>3 (3)</td>
<td>Haiti</td>
<td>17.83</td>
<td>252.65</td>
<td>2.76</td>
<td>223.29</td>
<td>1.55</td>
<td>63</td>
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<tr>
<td>4 (5)</td>
<td>Philippines</td>
<td>19.00</td>
<td>927.00</td>
<td>1.10</td>
<td>2757.30</td>
<td>0.68</td>
<td>337</td>
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<tr>
<td>4 (4)</td>
<td>Nicaragua</td>
<td>19.00</td>
<td>162.30</td>
<td>2.97</td>
<td>227.18</td>
<td>1.23</td>
<td>51</td>
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<td>6 (6)</td>
<td>Bangladesh</td>
<td>22.67</td>
<td>725.75</td>
<td>0.52</td>
<td>2438.33</td>
<td>0.86</td>
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<td>7 (7)</td>
<td>Vietnam</td>
<td>27.17</td>
<td>361.30</td>
<td>0.44</td>
<td>2205.98</td>
<td>0.70</td>
<td>225</td>
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<td>8 (10)</td>
<td>Pakistan</td>
<td>31.17</td>
<td>487.40</td>
<td>0.32</td>
<td>3931.40</td>
<td>0.70</td>
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<td>9 (11)</td>
<td>Thailand</td>
<td>32.33</td>
<td>164.20</td>
<td>0.25</td>
<td>7480.76</td>
<td>1.05</td>
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<td>10 (9)</td>
<td>Guatemala</td>
<td>32.50</td>
<td>83.35</td>
<td>0.66</td>
<td>407.76</td>
<td>0.50</td>
<td>88</td>
</tr>
</tbody>
</table>
Climate Risk Index: Ranking 1995 – 2014

Countries most affected by extreme weather events (1995-2014)
1 Honduras
2 Myanmar
3 Haiti
4 Philippines
5 Nicaragua
6 Bangladesh
7 Vietnam
8 Pakistan
9 Thailand
10 Guatemala

Countries where more than 60% of the losses/deaths occurred in one year/event

Source: Germanwatch and Munich Re NatCatSERVICE

Figure 1: World Map of the Global Climate Risk Index 1995–2014
http://www.unescap.org/our-work/statistics
Limitations of WorldRiskIndex

• The scope of the analysis is no longer visible
• The global WorldRiskIndex is dependent on data availability and quality.
• Different region may have different disaster risk even within one country (e.g. China and India)
Recommended Next Steps

• Further study (e.g. collect current practices) of related current practices and data availability in member countries related to disaster risk index?

• Continue research on “climate-related disasters”?