

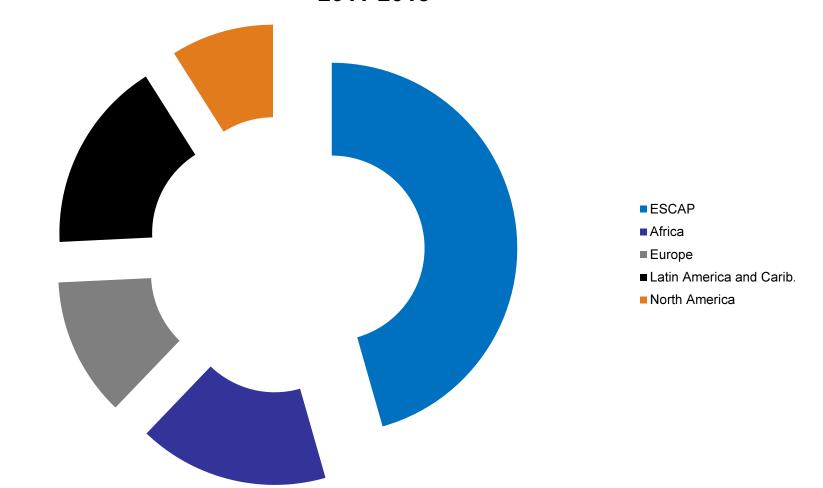


Climate change and disaster risk



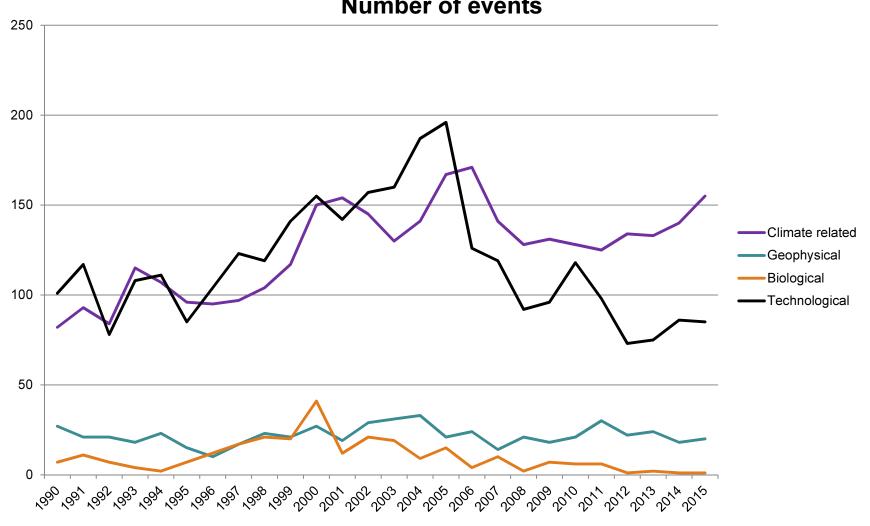


Number of climate-change related disaster occurrences, 2011-2015





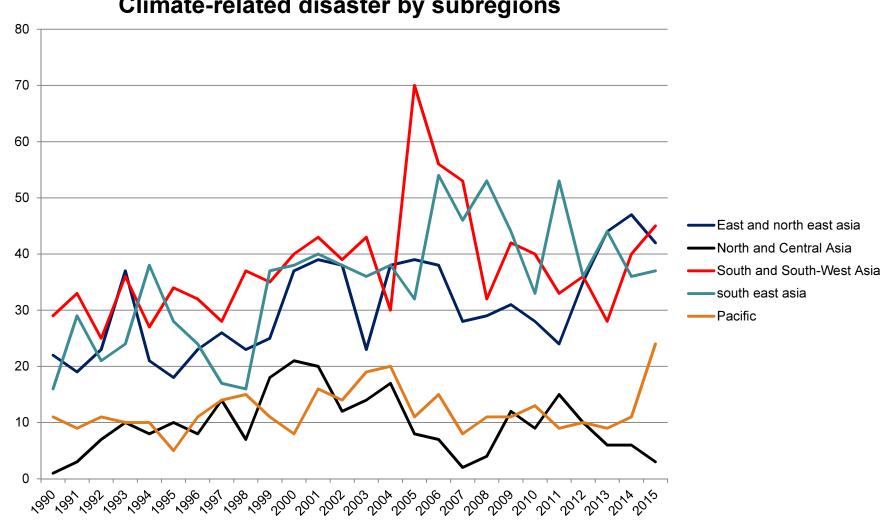




Number of events





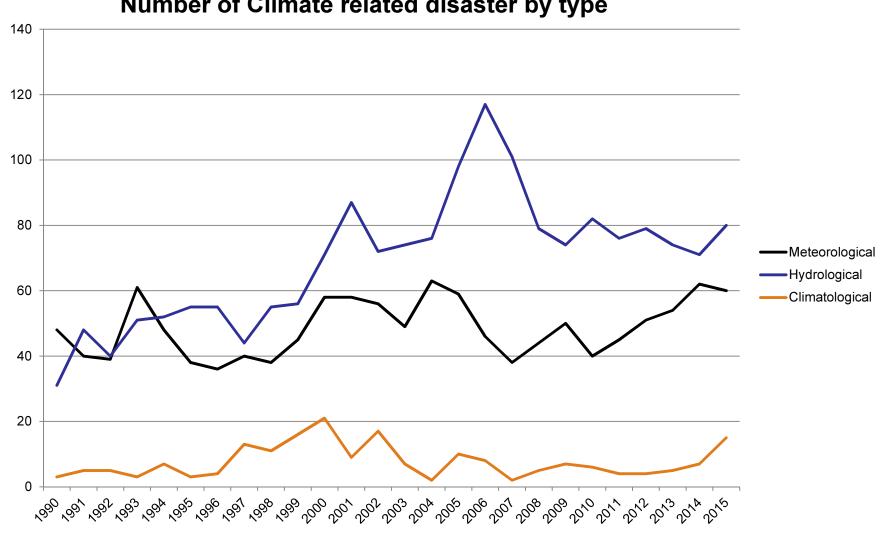


Climate-related disaster by subregions

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Number of Climate related disaster by type

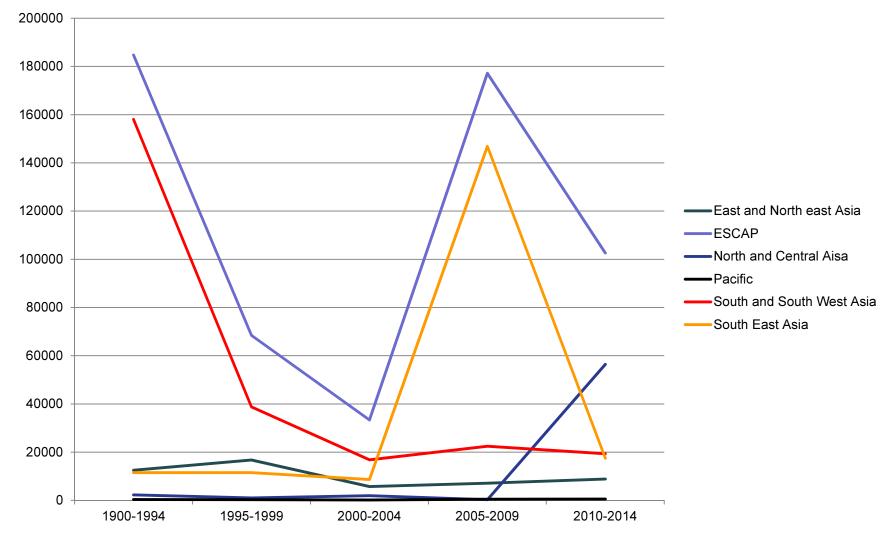
5 STATISTICS FOR DEVELOPMENT

http://www.unescap.org/our-work/statistics





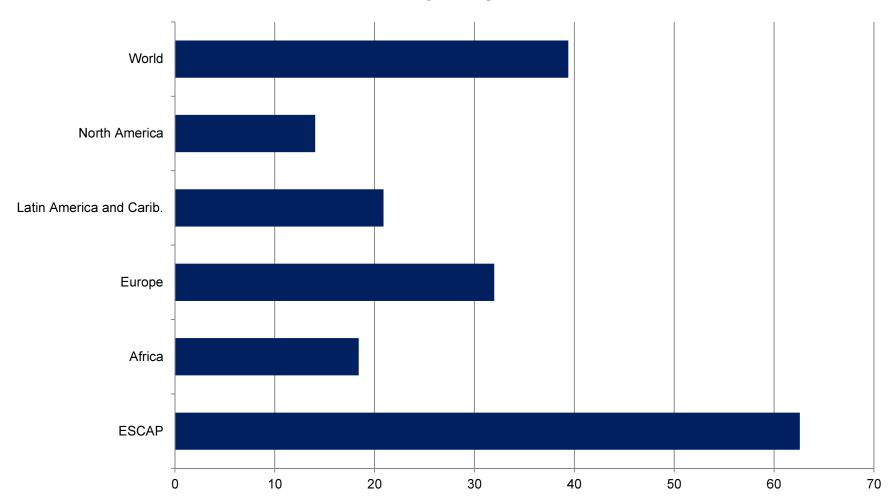
Number of death







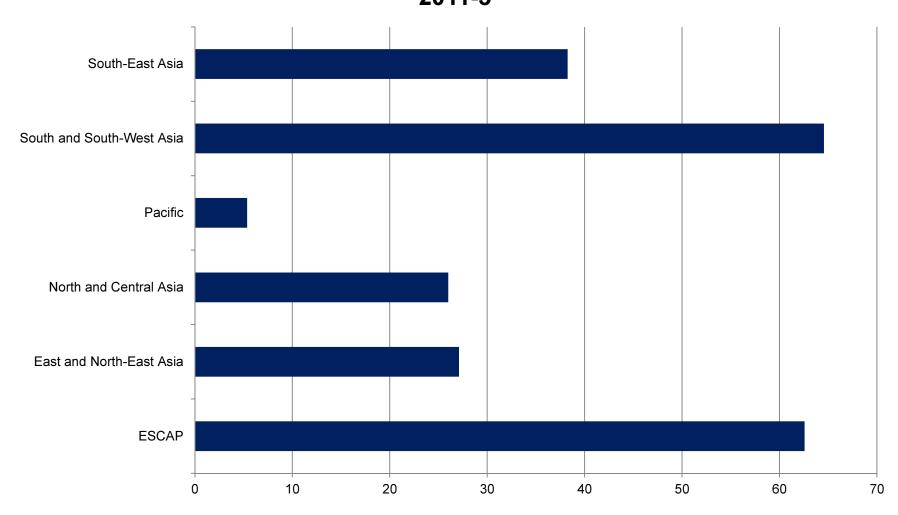
Deaths per occurrences of climate change-related disasters, 2011-15







Deaths per occurrnce of climate change-related disasters, 2011-5







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)





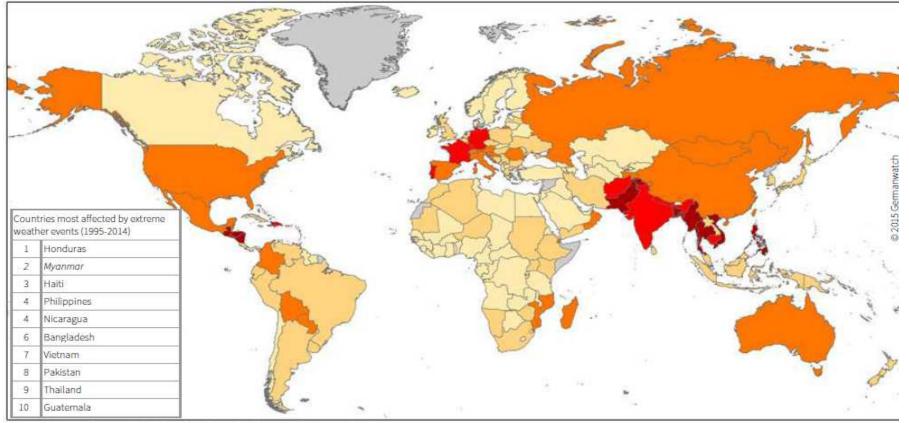
Data source: Global Climate Risk Index 2016

Table 1: The Long-Term Climate Risk Index (CRI): the 10 countries most affected from 1995 to 2014 (annual averages)

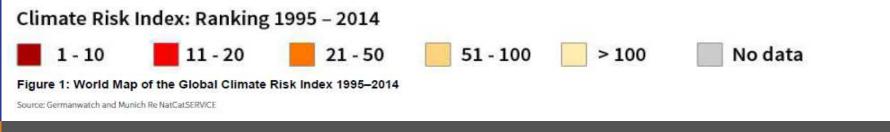
CRI 1995–2014 (1994–2013)	Country	CRI score	Death toll	Deaths per 100 000 inhabitants	Total losses in million US\$ PPP	Losses per unit GDP in %	Number of events (total 1995–2014)
1 (1)	Honduras	11.33	302.75	4.41	570.35	2.23	73
<mark>2 (2)</mark>	Myanmar	<mark>14.17</mark>	<mark>7 137.20</mark>	<mark>14.75</mark>	<mark>1 140.29</mark>	<mark>(0.74</mark>	<mark>41</mark>
3 (3)	Haiti	17.83	252.65	2.76	223.29	1.55	63
<mark>4 (5)</mark>	Philippines	<mark>19.00</mark>	<mark>927.00</mark>	<mark>1.10</mark>	<mark>2 757.30</mark>	<mark>0.68</mark>	<mark>337</mark>
4 (4)	Nicaragua	19.00	162.30	2.97	227.18	1.23	51
<mark>6 (6)</mark>	Bangladesh	<mark>22.67</mark>	<mark>725.75</mark>	<mark>0.52</mark>	<mark>2 438.33</mark>	<mark>0.86</mark>	<mark>222</mark>
<mark>7 (7)</mark>	Vietnam	<mark>27.17</mark>	<mark>361.30</mark>	<mark>0.44</mark>	<mark>2 205.98</mark>	<mark>0.70</mark>	<mark>225</mark>
<mark>8 (10)</mark>	Pakistan	<mark>31.17</mark>	<mark>487.40</mark>	<mark>0.32</mark>	<mark>3 931.40</mark>	<mark>0.70</mark>	<mark>.143</mark>
<mark>9 (11)</mark>	Thailand	<mark>32.33</mark>	<mark>164.20</mark>	<mark>0.25</mark>	<mark>7 480.76</mark>	<mark>1.05</mark>	<mark>217</mark>)
10 (9)	Guatemala	32.50	83.35	0.66	407.76	0.50	88





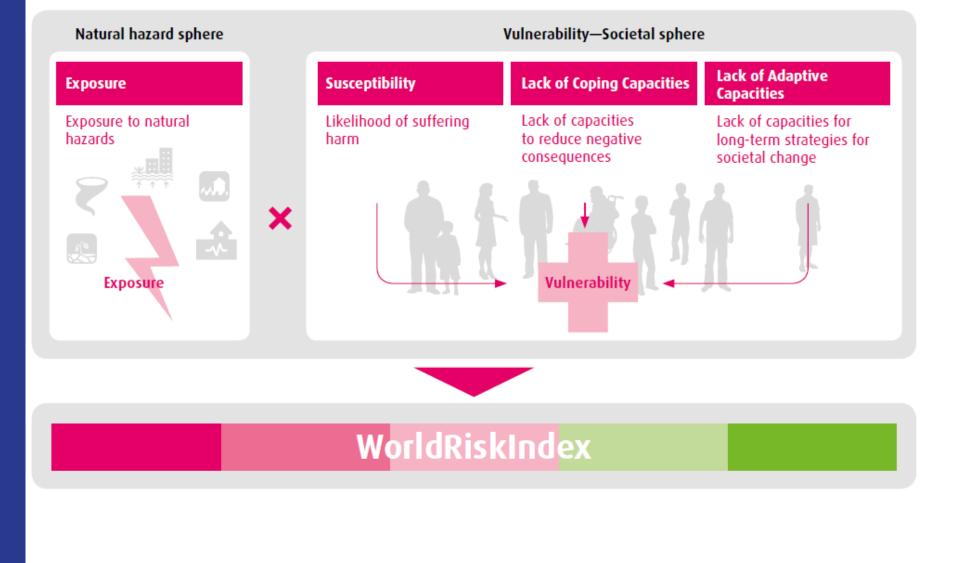


Cursive: Countries where more than 90% of the losses/deaths occurred in one year/event









STATISTICS FOR DEVELOPMENT

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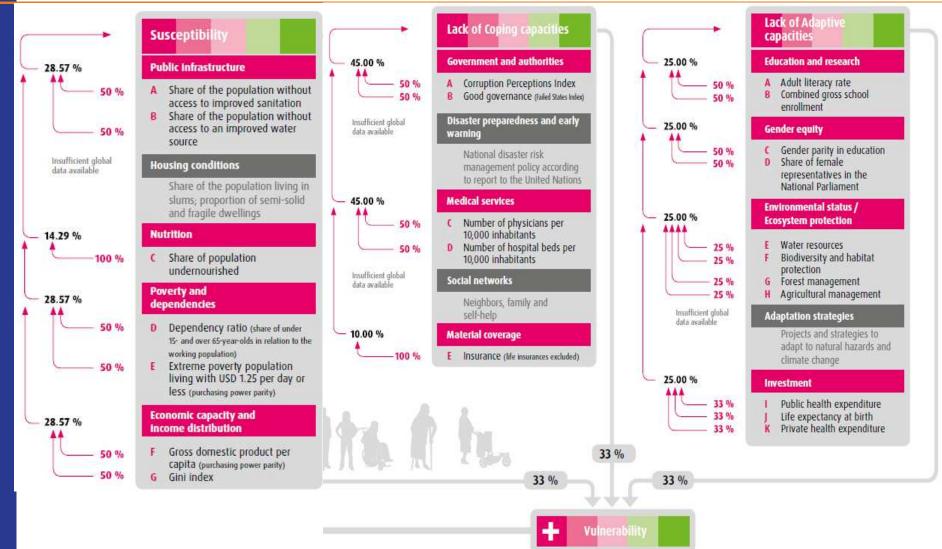




Population exposed to: A Earthquakes B Storms C Floods D Droughts E Sea-level rise 100 % S0 % S0 % S0 % S0 % S0 % S0 % S0 %		Exposure and a second se				
B Storms C Floods D Droughts E Sea-level rise Sea-level rise Number of people in a country who are exposed to the natural hazards earthquakes (A), cyclones (B) and/or flooding (C) So % Number of people in this country who are threatened by drought (D) and/or sea level rise (E) (eatweighted half owing to the data base) (a) Number of total population in country (a)						
C Floods D Droughts E Sea-level rise 100 % S0 % Number of people in a country who are exposed to the natural hazards earthquakes (A), cyclones (B) and/or flooding (C) 100 % 50 % S0 % 100 %		A Earthquakes				
D Droughts E Sea-level rise 100 % 100 % S0 % 50 % Number of people in this country who are exposed to the natural hazards earthquakes (A), cyclones (B) and/or flooding (C) 100 % 50 % 100 % 100 %		B Storms				
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100 % Number of total population in country	50 %	threatened by drought (D) and/or sea level rise (E)				
=		÷				
Exposure	100 %	Number of total population in country				
Exposure						
		Exposure				











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"?