

Challenges and opportunities in mainstreaming disaster risk reduction into agriculture

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ESCAP's strategy for mainstreaming DRR /CCA

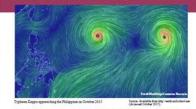
Analytical and normative work, intergovernmental dialogue and regional cooperation framework

DISASTERS WITHOUT BORDERS Regional Resilience for Sustainable Development



Asia-Pacific Disaster Report 2015

Disasters in Asia and the Pacific: 2015 Year in Review



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2015 Fact Snapshot: Natural Disasters in Asia and the Pacific

Image: State Stat

Over the period of 2005-2014 in Asia-Pacific



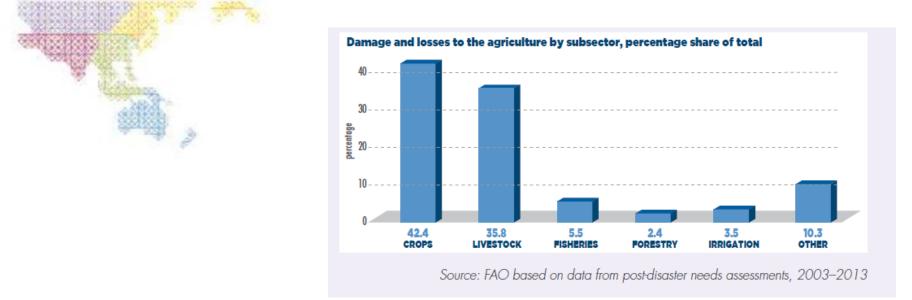


- ESCAP's analytical work also focuses on addressing the complexities of transboundary slow-onset disasters and bridges the knowledge gaps in the region.
 - The impact outlook specifically focused on assessing and communicating risks from slow onset disasters and El Niño among Pacific SIDS and facilitating timely and risk-sensitive interventions by countries
- The impact outlook provide scientifically backed risk scenarios disaggregated at regional, sub-region and national levels as well as sectorspecific risk profiles for the 2015-2016 El Niño event.



Overview of economic impacts of disasters on agriculture

- Study by FAO, which covers 48 developing countries of Africa, Asia and Latin America (27 disaster events in 15 countries in Asia-Pacific), found that medium to large-scale disasters over the period 2003–2013 caused US\$ 30 billion-worth damage and losses on the agriculture sector out of a total of US\$ 140 billion on all sectors
- Climate-related disasters such as floods, droughts and tropical storms accounted up to 25% of all damage and losses of agriculture sector
- Almost 60% of damage and losses were caused by floods, followed by storms with 23%
- Agriculture is the single most affected sector by droughts, absorbing on average about 84% of all the economic impact



- 42% of all damage and losses is on crops (US\$13 billion), 36% on livestock (US\$11 billion).
- Asia-Pacific is the most affected region, with total crop and livestock production losses amounting to US\$ 28 billion or 40% of total.
- Disasters can change agricultural trade flows and cause losses in agricultural manufacturing subsectors such as food processing.
- The impacts of disasters can slow economic growth in countries where the sector is important to the economy. For example, in Cambodia where agriculture contributes as much as 30% to national GDP

Damage and losses on agriculture and related infrastructure from transboundary disaster in Asia

	Sector/sub-sector	Damage, US\$ million	Losses, US\$ million	Damage and losses, US\$ million (% of total)	Recovery and reconstruction needs US\$ million (% of total)		
Typhoon Ketsana, 2009							
Cambodia	Agriculture livestock and fisheries	0.09	56.42	56.51	35.0		
	Water management and irrigation	2.78	0.01	2.79	3.50		
	Total	2.87	56.43	59.30 (44.92%)	38.50 (30.35%)		
Lao PDR	Agriculture	15.7	2	17.7	15		
	Water resources	0.38	0.11	0.49	4.59		
	Total	16.08	2.11	18.19 (31.29%)	19.59 (33.56%)		
Philippines	Agriculture	80.1	769.2	849.3	351.3		
	Flood control drainage dam management	15.3	n.a.	15.3	171.3		
	Total	95.4	769.2	864.6 (19.72%)	522.6 (11.81%)		



Cumulative impacts on agriculture and related infrastructure in Pakistan

	Sector/sub-sector	Damage US\$ million	Losses US\$ million	Damage and losses, US\$ million (percentage of total)	Reconstruction needs, US\$ million (percentage of total)
2010 floods	Agriculture, livestock and fisheries	3,710	1,335	5,045 (50.16%)	1,049 (11.76%)
	Irrigation and flood management	278	-	278 (2.76%)	982 (11.01%)
	Total	3,988	1,335	5,323 (52.93%)	2,031 (22.78%)
2011 floods	Agriculture, livestock and fisheries	1,636	204	1,840 (49.30%)	306 (11.13%)
	Irrigation and flood management	55	-	55 (1.47%)	110 (4.0%)
	Total	1,691	204	1,895 (53.21)	416 (15.14%)
2010 and 2011 floods	Cumulative	5,679	1,539	7,218	2,447

Damage and losses of agricultural sector in PICs

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	Sector/sub-sector	Damage, US\$ million	Losses, US\$ million	Damage and losses, US\$ million (percentage of total)	Recovery and reconstruction needs US\$ million (percentage of total)
Samoa, 2009 tsunami	Agriculture (crops, livestock, fishery)	5.78	8.40	14.18 (11.43%)	3.41 (2.05%)
Samoa, 2012 Cyclone Evan	Agriculture (crops, livestock, fishery)	2.15	25.46	27.61 (13.54%)	10.13 (4.92%)
Fiji, 2012 Cyclone Evan	Agriculture (crops, livestock, forestry)	3.72	17.31	20.95 (19.30%)	9.86 (12.26%)

预览已结束, 完整报告链接和二维码如下:

https://www.yunbaogao.cn/report/index/report?reportId=5_2611

