

Disaster Risk Reduction Related Expenditures in the Disaster-related Statistics Framework (DRSF)

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Outline of Presentation

- I. Disaster Risk Reduction: Definition
- II. Disaster Risk Reduction (DRR) Activities
- III. DRR Expenditure Satellite Accounts
- IV. Sample results
- V. Current Challenges
- VI. Application for policy formulation

What is Disaster Risk Reduction?

- a systematic approach to identifying, assessing and reducing the risks of disaster

Sendai Framework:

“aimed at preventing new disaster risks as well as reducing existing disaster risks and managing residual risk, all of which contributes to strengthening resilience.”

DRR Activities

- Activities that boost coping capacities and resilience of society where a disaster occur

Outcomes:

- Coverage of early warning systems
- basic knowledge and preparedness of households
- evacuation procedures from potentially affected areas

Scope of DRRCA activities

- Disaster Risk Prevention
- Disaster Risk Mitigation
- Disaster Management
- Disaster Recovery and
- General Government, Research & Development, Education Expenditure



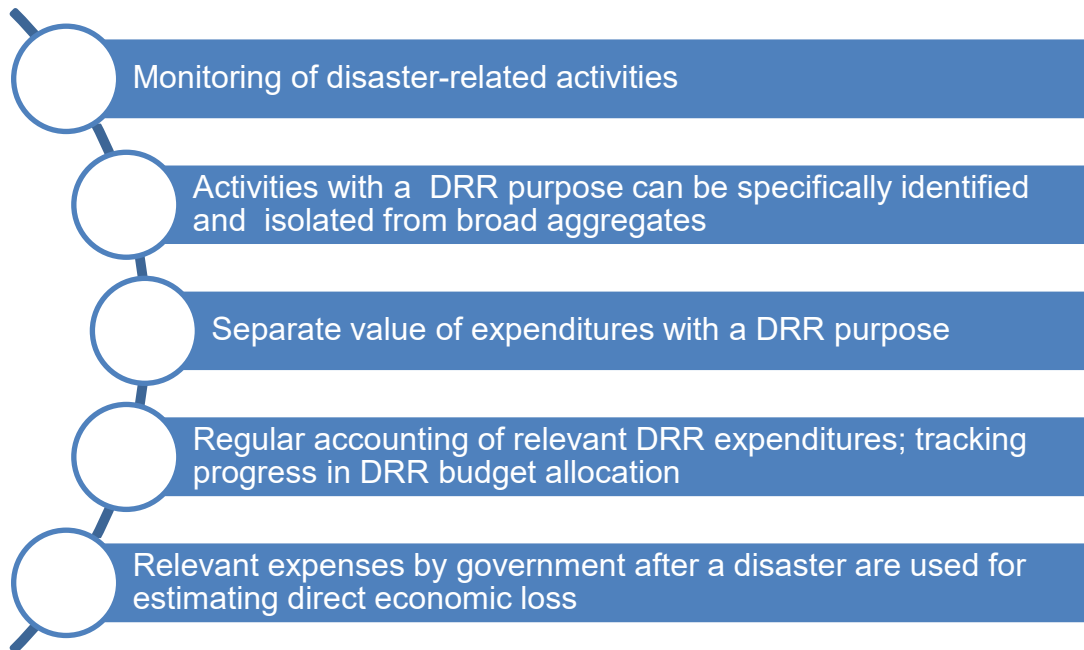
DRRCA classification

- 1 **Disaster Risk Prevention**
 - 1.1 Risk prevention in advance of hazardous event
 - 1.2 Risk prevention in or after hazardous event
- 2 **Disaster Risk Mitigation**
 - 2.1 Structural measures
 - 2.2 Non-structural measures
 - 2.3 Land-use planning
 - 2.4 Early warning systems management
- 3 **Disaster Management**
 - 3.1 Preparedness
 - 3.2 Emergency management
 - 3.3 Other disaster responses
 - 3.4 Emergency supply of commodities
- 4 **Disaster Recovery**
 - 4.1 Relocation
 - 4.2 Rehabilitation
 - 4.3 Reconstruction
- 5 **General Government, Research & Development, Education Expenditure**
 - 5.1 General government expenditure for Disaster Risk Reduction
 - 5.2 Research & Development, risk assessment, and information
 - 5.3 Education to Disaster Risk Reduction

Satellite account:

- supplementary statistics that allow focused analysis on a particular aspect of the economy: such as environment, health and tourism
- data presented supplement and are consistent with the System of National Accounts (SNA)
- Concepts, definitions, classification systems used and accounting principles are also harmonized with the SNA

DRRE Satellite Account: Objectives



Disaster Risk Reduction Expenditure (DRRE) Account

- Satellite accounting tables developed to assess the feasibility for DRR expenditure accounts based on existing data sources used in the national accounts
 - Production Expenditure Account by characteristic activities
 - Transfers expenditure account and DRR National Expenditure

Production Expenditure Account by characteristic activities

Disaster Risk Reduction Expenditure Account

Production expenditure account (current plus investment) by characteristic activities

Measurement units: Local currency

US\$ PPP

	Providers of disaster risk reduction services (SNA institutional sectors)											Rest of the World (RoW)	
	Non-financial corporations	Financial corporations	General government (incl. non-profit institutions controlled by governments and social security)				Households			Non-profit institutions serving households (NPISHs)	TOTAL Resident sectors (units with at least 1 year of activity)		
			Central government	State government	Local government	Subtotal General government	Households owners of unincorporated enterprises	Employees and recipients of property and transfer incomes.	Subtotal Households				
Activity expenditure account (current plus investment)													
1 Disaster Risk Prevention													
1.1 Risk prevention in advance of hazardous event													
1.2 Risk prevention in or after hazardous event													
2 Disaster Risk Mitigation													
2.1 Structural measures													SDG 11.c.1
2.2 Non-structural measures													
2.3 Land-use planning													
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5.1 General government expenditure for Disaster Risk Reduction													
5.2 Research & Development, risk assessment, and information													
5.3 Education to Disaster Risk Reduction													
A Subtotal current production expenditure (SUM 1 to 5)													

Source: DRSF Manual

Link: <https://communities.unescap.org/asia-pacific-expert-group-disaster-related-statistics/content/drsf>

Transfers Expenditure Account and DRR National Expenditure

Disaster Ri+B2:O28sk Reduction Expenditure Account												
Transfers expenditure account & DRR National Expenditure												
Measurement units: Local currency												
US\$ PPP											US\$ PPP	
	Institutional sectors											
	Non-financial corporations	Financial corporations	General government (incl. non-profit institutions controlled by governments and social security)				Households			Non-profit institutions serving households (NPISHs)	TOTAL Resident sectors (units with >1 year of activity)	Rest of the World (RoW)
			Central government	State government	Local government	Subtotal General government	Households owners of unincorporated enterprises	Employees and recipients of property and transfer	Subtotal Households			
Transfers expenditure account												
Total Transfers Paid (6.1)												
6.1	Disaster risk reduction characteristic transfers paid											
6.1.1	Internal transfers between public government services (current or in capital)											
6.1.2	Risk transfers, insurance premiums and indemnities											
6.1.3	Disaster related international transfers (current or in capital)											
6.1.4	Public transfers to private (subsidies, transfers in capital...)											
6.1.5	Private transfers (taxes, voluntary...)											
6.1.6	Other transfers											
Total Transfers Received (6.2)												
6.2	Disaster risk reduction characteristic transfers received											
6.2.1	Internal transfers between public government services (current or in capital)											
6.2.2	Risk transfers, insurance premiums and indemnities											
6.2.3	Disaster related international transfers (current or in capital)											
6.2.4	Public transfers to private (subsidies, transfers in capital...)											
6.2.5	Private transfers (taxes, voluntary...)											
6.2.6	Other transfers											
DRRE Net transfers (6.1 minus 6.2)												
Total DRR Production Expenditure (current plus investment)												

Source: DRSF Manual

Link: <https://communities.unescap.org/asia-pacific-expert-group-disaster-related-statistics/content/drsf>

Outputs from Account of Expenditure/ Transfers of DRR Activities

- Total national expenditure with DRR purpose
- DRR expenditure by source of financing
- DRR expenditure by type of DRR activity
- Value of transfers from central government to local authorities
- Value of transfers from international donors

Sample Initial Results: 2016 DRR(Gov't) Expenditures, Philippines

DRR Activity	In Thousand Php
Disaster Prevention	1,852,442
Disaster Preparedness	692,689
Disaster Response	932,485
Disaster Rehabilitation and Recovery	16,197,736
Total DRR Expenditure	19, 675,352

* DRR Gov't Expenditure was 0.54% of the total expenditures of the country

Source: *Philippine Statistics Authority (PSA)*

"Mainstreaming Disaster-related Statistics in the Philippines"

6th Expert Group Meeting on Disaster-related Statistics, Bangkok, Thailand, 23 April 2019

Sample Initial Results: 2016 DRR (Gov't) Expenditures, Philippines

Expenditure by Agency	Amount in Thousand Php	Percent Share to Total DRR Expenditure
Department of Education	2,096,077	10.65
State Universities and Colleges	20,077	0.10
Department of Agriculture	176,973	0.90
Department of Health	17,114	0.09
Department of Interior and Local Gov't	373,176	1.90
Department of Justice	12,296	0.06
Department of National Defense	1,659,387	8.43
Department of Public Works and Highways	3,020,448	15.35
Department of Science and Technology	39,755	0.20
Department of Social Welfare and Dev't	9,991,172	50.78
Dep't of Transportation & Communication	2,268,875	11.53
TOTAL EXPENDITURE	19,675,352	100.00

Source: Philippine Statistics Authority (PSA)

"Mainstreaming Disaster-related Statistics in the Philippines"

*6th Expert Group Meeting on Disaster-related Statistics, Bangkok,
Thailand, 23 April 2019*

Sources of Data

Department of Budget and Management

- 2016 National Expenditure Program

Commission on Audit

- Annual Financial Report
- Consolidated Audit Report on Official Dev't Assistance (ODA) Programs and Projects
- Consolidated Report on the Audit of the Disaster Reduction Management (DRRM) Fund

National Economic Development Authority

- Official Development Assistance (ODA) portfolio



Source: *Philippine Statistics Authority (PSA)*
"Mainstreaming Disaster-related Statistics in the Philippines"
6th Expert Group Meeting on Disaster-related Statistics, Bangkok,
Thailand, 23 April 2019

Current Challenges:

Expenditures on disaster-risk reduction may be difficult to identify from current transactions

Current statistics may not be disaggregated to suit DRR monitoring and analysis

Need to expand statistical data collection programs



APPLICATIONS:

Allows special demands for analysis of DRR activities at certain periods, such as immediately after a large-scale disaster

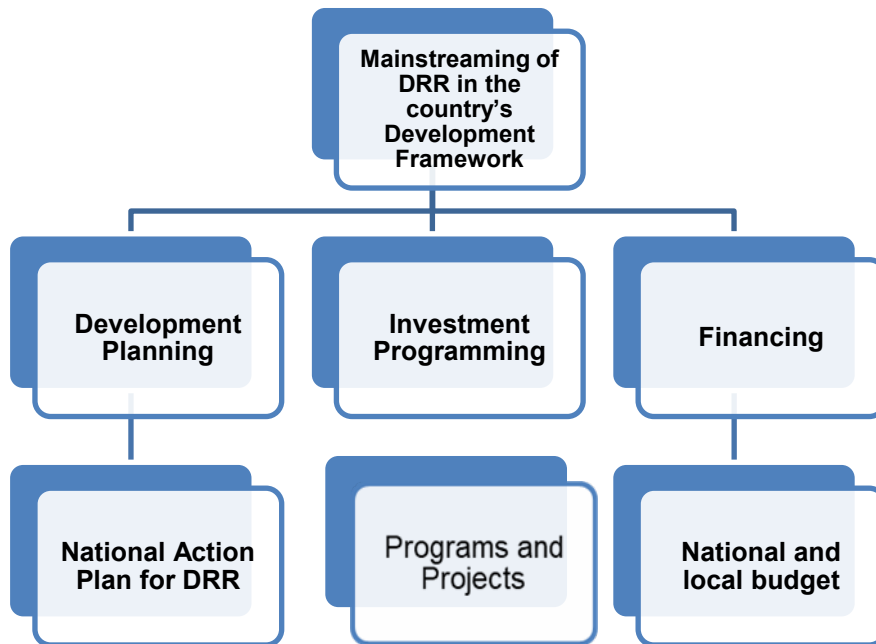
Tool for assessing data gaps

Identify opportunities to produce new disaster related statistics and indicators

Detailed data on DRR spending can improve the assessment of the public environment expenditure review



POLICY APPLICATION:



Thank you!

