



UPDATES OF THE PLATFORM ACTIVITIES

4-1-1. DATA INTEGRATION

DOST XI, ICHARM

HOLISTIC VIEW

Investment
Direction

Policy-
making

Decision-
making

Local
Practices

Societal Benefit
(Water Disaster Risk Reduction)

Integrated Risk Assessment

4. Economic
Assessment

2. Flood
Forecasting &
Early Warning

3. Climate
Change
Impact

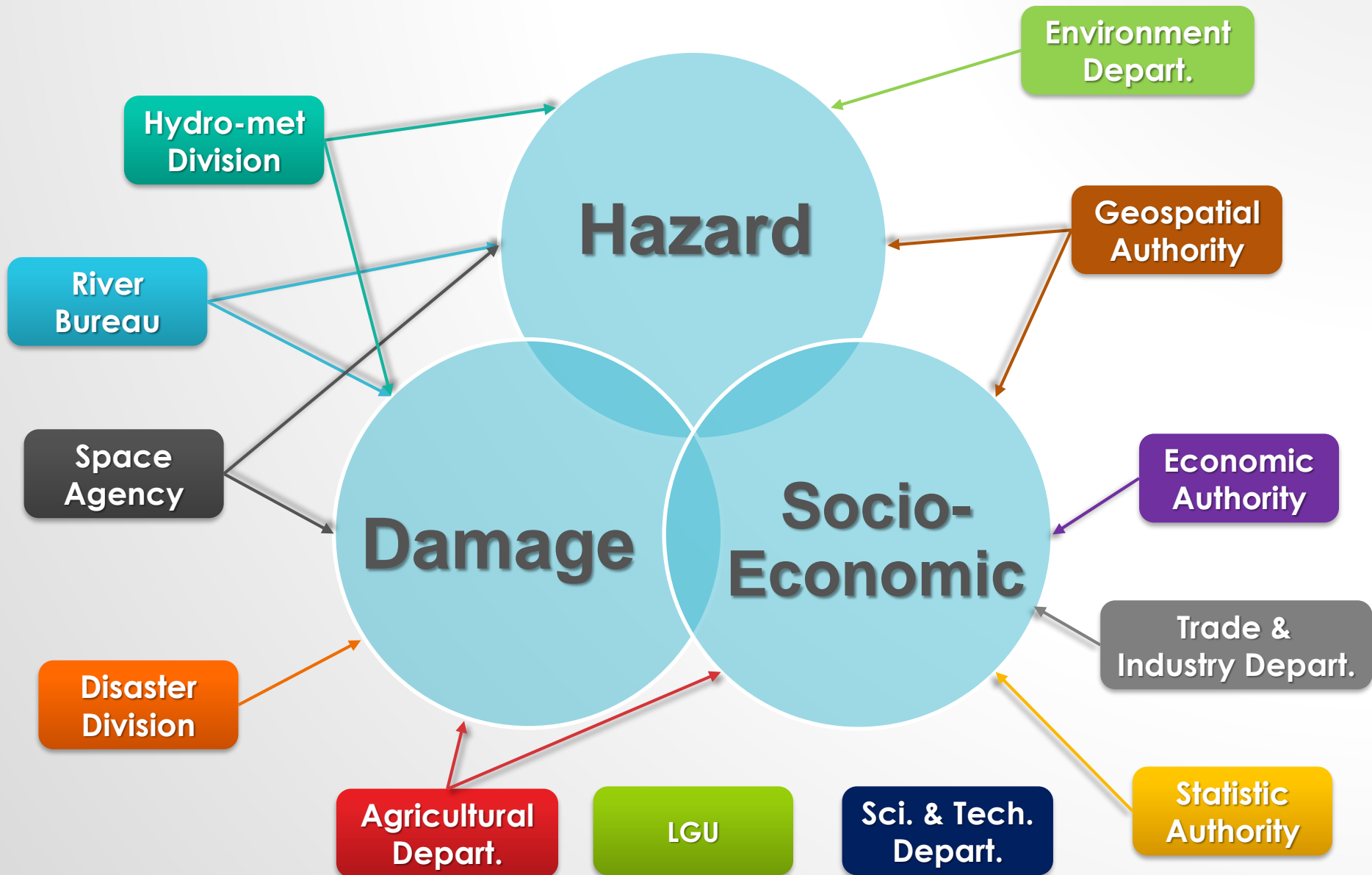
1. Data Integration

Damage

Hazard

Socio-
economy

DATA INTEGRATION



DATA SHARING GUIDELINE

Platform on Water Resilience and Disasters in the Philippines (PLATFORM) Data Sharing Guidelines

PLATFORM recognizes that the societal benefits arising from its cooperative activities can be fully achieved through the sharing of data, information, knowledge, products and services among the participants in PLATFORM at least. PLATFORM also associates itself with the trend towards open data worldwide while agency policies or legislation preclude the sharing of data as Open Data. In order to set up data sharing guidelines which balance the interests of both data users and providers in the light of the above mentioned constraints, it is considered useful to divide PLATFORM data into the following two categories:

Category 1: Data, metadata and products are shared as Open Data by default.

Category 2: Data, metadata and products are shared only among the PLATFORM Participants

Category 3: Data, metadata and products are shared with those who get a permission from the data provider.

All PLATFORM data users are requested to follow the guidelines as below:

1. If there is any data policy indicated by the data provider, that policy always has priority over this Principles.
2. PLATFORM data are to be used only for the public interest, scientific research or education. Commercial use and exploitation of PLATFORM data sets are prohibited
3. Any modification or change of the original PLATFORM data sets is prohibited.
4. Any re-export or transfer of the original data sets to a third party is prohibited.
5. Whenever PLATFORM data sets are used for publication of scientific results, the author(s) shall send a copy of the respective publication, preferably in an electronic form or in a separate printed version, to the PLATFORM CONTACTS as indicated below.

Category 1:
Full open

Category 2:
Among Platform

Category 3:
With permission

DATA LIST

Damage

Data	Source of information
Casualties & missing person	OCD
Num. of affected people	OCD
Agricultural damage	DA
Housing damage	OCD
Damage to critical infrastructure	DPWH, LGU
Direct economic loss other than agricultural loss	LGU NEDA

Hazard

Data	Source of information
DEM (LiDAR)	UP Mindanao
DEM (ifSAR)	NAMRIA
Hydromet data	PAGASA, ASTI, DREAM
Inundation depth (LiDAR)	UP Diliman, UP Mindanao
Inundation depth (interview)	PAGASA
Rainfall	PAGASA
River flow	DPWH, UP Mindanao
River cross section	DPWH, UP Mindanao
Tidal level	NAMRIA

Socio-economic

Data	Source of information
Land use	LGU, DOST-ASTI
Agriculture	PSA, DA
Population	PSA
Infrastructure	DPWH/LGU
Industry	DTI
Commerce	DTI
Drainage facility	DPWH/LGU
Information	PSA, NEDA
Sectoral Regional GDP	PSA
Sectoral employed population	PSA
Tax revenue	BIR
Land price	City Assessors Office

Collected

METADATA TEMPLATE

Category	Data	Source of information	Data Type	Specification
Hazard	DEM (LIDAR)	UP Mindanao	Grid	Year: Area: Davao River basin Spatial Resolution: 10m Elements:
	DEM (ifSAR)	NAMRIA	Grid	Year: Area: Davao River basin Spatial Resolution: 5m Elements:
	Rainfall	PAGASA	Time series (Point) <input checked="" type="checkbox"/> Digital <input type="checkbox"/> Paper	Name(s) or Total number: 10 Period: 1980-2016 Temporal Resolution: Daily Elements: Meteorological observation
	Meteorological data	PAGASA	Time series (Point) <input checked="" type="checkbox"/> Digital <input type="checkbox"/> Paper	Name(s) or Total number: 10 Period: 1980-2016 Temporal Resolution: Daily Elements: Meteorological observation
	Water level	PAGASA DPWH UP Mindanao	Time series (Point) <input type="checkbox"/> Digital <input type="checkbox"/> Paper	Name(s) or Total number: Period: Temporal Resolution: Elements:
	River flow	PAGASA DPWH UP Mindanao	Time series (Point) <input checked="" type="checkbox"/> Digital <input type="checkbox"/> Paper	Name(s) or Total number: 1 (Davao, Lacson, Calinan) Period: 1/2001 - 12/2017 Temporal Resolution: occasional Elements: Field discharge measurement
	River cross section	DPWH UP Mindanao	Geometry (Point) <input type="checkbox"/> Digital <input checked="" type="checkbox"/> Paper	Name(s) or Total number: 270 Period: 2003 Temporal Resolution: - Elements: Field measurement
	Tidal level	NAMRIA	Time series (Point) <input type="checkbox"/> Digital <input type="checkbox"/> Paper	Name(s) or Total number: Period: Temporal Resolution: Elements:
	Inundation depth (LIDAR)	UP Diliman	Map	Year: 2016 Area: Davao City Spatial Resolution: 1/500000 Elements: Flood hazard map (100 year return period, 1.5m depth)
	Inundation depth (interview)	PAGASA	Map/Point <input type="checkbox"/> Digital <input type="checkbox"/> Paper	Year: Area: Spatial Resolution: Elements:
	Dam operation	NIA	Time series (Point) <input type="checkbox"/> Digital <input type="checkbox"/> Paper	Name(s) or Total number: Period: Temporal Resolution: Elements:
	Damage	Casualties & missing person	OCD	Statistics <input type="checkbox"/> Digital <input type="checkbox"/> Paper
Affected people		OCD	Statistics <input checked="" type="checkbox"/> Digital <input type="checkbox"/> Paper	Period: 2012, 2013, 2014, 2015, 2016, 2017 (event-base) Area: Region XI Scale: <input checked="" type="checkbox"/> Nation <input checked="" type="checkbox"/> Region <input checked="" type="checkbox"/> Province <input checked="" type="checkbox"/> City <input checked="" type="checkbox"/> Municipality <input checked="" type="checkbox"/> Barangay Elements: Families, Persons
Agricultural damage		DA	Statistics <input checked="" type="checkbox"/> Digital <input type="checkbox"/> Paper	Period: 2010, 2011, 2012, 2014, 2015, 2016 Area: Region XI Scale: <input checked="" type="checkbox"/> Nation <input checked="" type="checkbox"/> Region <input checked="" type="checkbox"/> Province <input checked="" type="checkbox"/> City <input type="checkbox"/> Municipality <input type="checkbox"/> Barangay Elements: Affected area, Production loss
Housing damage		OCD	Statistics <input checked="" type="checkbox"/> Digital <input type="checkbox"/> Paper	Period: 2012, 2013, 2014, 2015, 2016, 2017 (event-base) Area: Region XI Scale: <input checked="" type="checkbox"/> Nation <input checked="" type="checkbox"/> Region <input checked="" type="checkbox"/> Province <input checked="" type="checkbox"/> City <input checked="" type="checkbox"/> Municipality <input checked="" type="checkbox"/> Barangay Elements: Number of damage houses
Critical infrastructure damage		DPWH LGU	Statistics <input checked="" type="checkbox"/> Digital <input type="checkbox"/> Paper	Period: 2012, 2013, 2014, 2015, 2016, 2017 (event-base) Area: Region XI Scale: <input checked="" type="checkbox"/> Nation <input checked="" type="checkbox"/> Region <input checked="" type="checkbox"/> Province <input checked="" type="checkbox"/> City <input checked="" type="checkbox"/> Municipality <input checked="" type="checkbox"/> Barangay Elements: Estimated cost of infrastructure
Economic damage		LGU NEDA	Statistics <input checked="" type="checkbox"/> Digital <input type="checkbox"/> Paper	Period: 2012, 2013, 2014, 2015, 2016, 2017 (event-base) Area: Region XI Scale: <input checked="" type="checkbox"/> Nation <input checked="" type="checkbox"/> Region <input checked="" type="checkbox"/> Province <input checked="" type="checkbox"/> City <input checked="" type="checkbox"/> Municipality <input checked="" type="checkbox"/> Barangay Elements: Estimated cost of infrastructure and agriculture

Socio-economy	Population	PSA	Grid/Statistics <input checked="" type="checkbox"/> Digital <input type="checkbox"/> Paper	Year: 1960, 1970, 1975, 1980, 1990, 1995, 2000, 2007, 2010, 2015 Area: Region XI Spatial Resolution: Regional Elements: Population Census
	Land use	LGU DOST NEDA DENR	Map/Statistics <input type="checkbox"/> Digital <input type="checkbox"/> Paper	Year: Area: Spatial Resolution: Elements:
	Agriculture	PSA DA DENR	Map/Statistics <input checked="" type="checkbox"/> Digital <input type="checkbox"/> Paper	Year: 2015, 2016, 2017 Area: Nation Spatial Resolution: National Elements: Value of Production, Farm gate Price, Volume of Production
	Infrastructure	DPWH LGU	Map/Statistics <input type="checkbox"/> Digital <input type="checkbox"/> Paper	Year: Area: Spatial Resolution: Elements:
	Industry	DTI	Map/Statistics <input type="checkbox"/> Digital <input type="checkbox"/> Paper	Year: Area: Spatial Resolution: Elements:
	Commerce	DTI	Map/Statistics <input type="checkbox"/> Digital <input type="checkbox"/> Paper	Year: Area: Spatial Resolution: Elements:
	Drainage facility	DPWH LGU	Map/Statistics <input type="checkbox"/> Digital <input type="checkbox"/> Paper	Year: Area: Spatial Resolution: Elements:
	Information	DPWH LGU	Map/Statistics <input type="checkbox"/> Digital <input type="checkbox"/> Paper	Year: Area: Spatial Resolution: Elements:
	Sectoral regional GDP	PSA	Map/Statistics <input checked="" type="checkbox"/> Digital <input type="checkbox"/> Paper	Year: 2015, 2016, 2017 Area: Region XI Spatial Resolution: Regional Elements: Sectoral region GDP at current prices & at constant 2000 prices
	Sectoral employed population	PSA	Map/Statistics <input checked="" type="checkbox"/> Digital <input type="checkbox"/> Paper	Year: 2017, 2018 Area: Nation Spatial Resolution: National Elements:
	Tax revenue	DPWH LGU	Map/Statistics <input checked="" type="checkbox"/> Digital <input type="checkbox"/> Paper	Year: 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018 Area: Region XI Spatial Resolution: Regional Elements: Income tax, Gross income
	Land price	PSA NEDA	Map/Statistics <input type="checkbox"/> Digital <input type="checkbox"/> Paper	Year: Area: Spatial Resolution: Elements:

DATA UPLOADING

WEB-BASED DATA UPLOADING SYSTEM (DRAFT)



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insitu.diasjp.net/IFI/uploa 90% 検索

Step 1 -----> Step 2 -----> Step 3 -----> Step 4

IFI Data Upload Center (Ver.1.00)

[Current status of your Upload file / No Map Mode](#)

ROADMAP SATELLITE HYBRID TERRAIN

Map showing 10 numbered locations on Mindanao, Philippines. A pop-up window for location #7 (Lumbia) shows coordinates (124.6128, 4.09). Locations include: 1. Davao, 2. Cotabato, 3. Davao, 4. Davao, 5. Davao, 6. Davao, 7. Lumbia, 8. Davao, 9. Davao, 10. Zamboanga.

Observation Station Name

Time Period 1980 / 01 / 01 - 00 : 00 --- 2016 / 12 / 31 - 00 : 00

Data Interval 30min 1hr daily other

Timezone UTC+08 : 00

Description(optional)

Number of observed elements 1 element in this file

Rivername=Mindanao [Matsumura](#)

Input Item;

- Data Domain, Area, District :
- Category:
- Data Source
- Data Type
- Period
- Resolution