

CLIMATE SMART PHILIPPINES

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Outline:

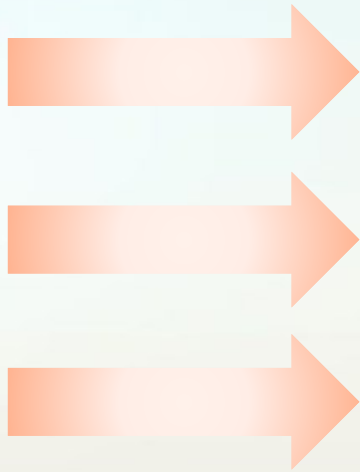
1. “F-E-W for U” System:

A Climate Change Adaptation and Disaster Risk Reduction and Management (CCA-DRRM) Solution for Food-Energy-Water Nexus Interaction

2. How to Access **People’s Survival Fund (PSF)** –
Philippines’s Climate Fund

RISK based on IPCC and UNISDR Framework

RISK

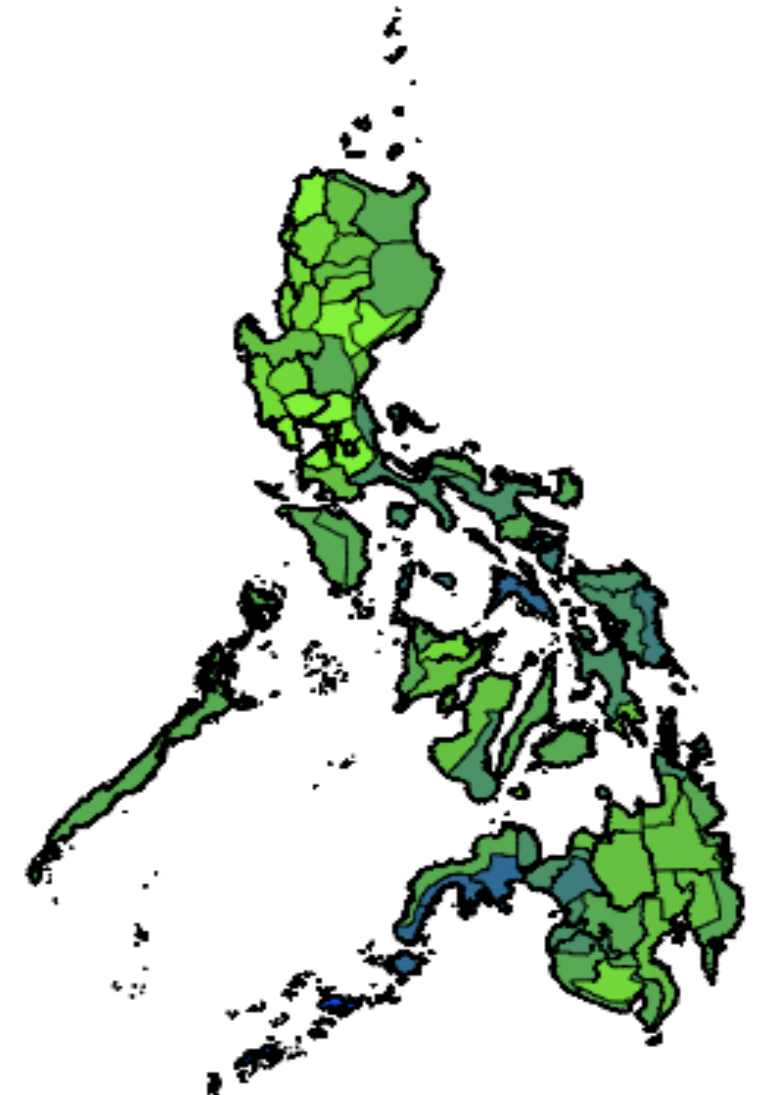
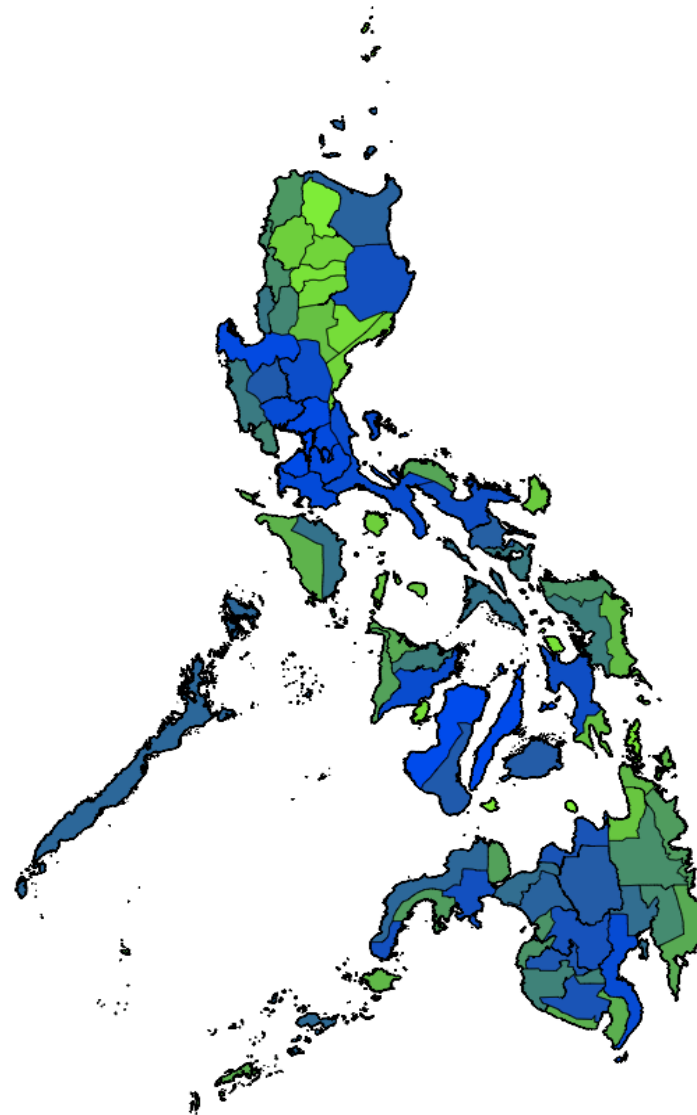


- Hazard
- Exposure
- Vulnerability

Hazard

Exposure

Vulnerability



EXAMPLE: Disaster Funds Allocation

a. Present Calamity Funds Allocation

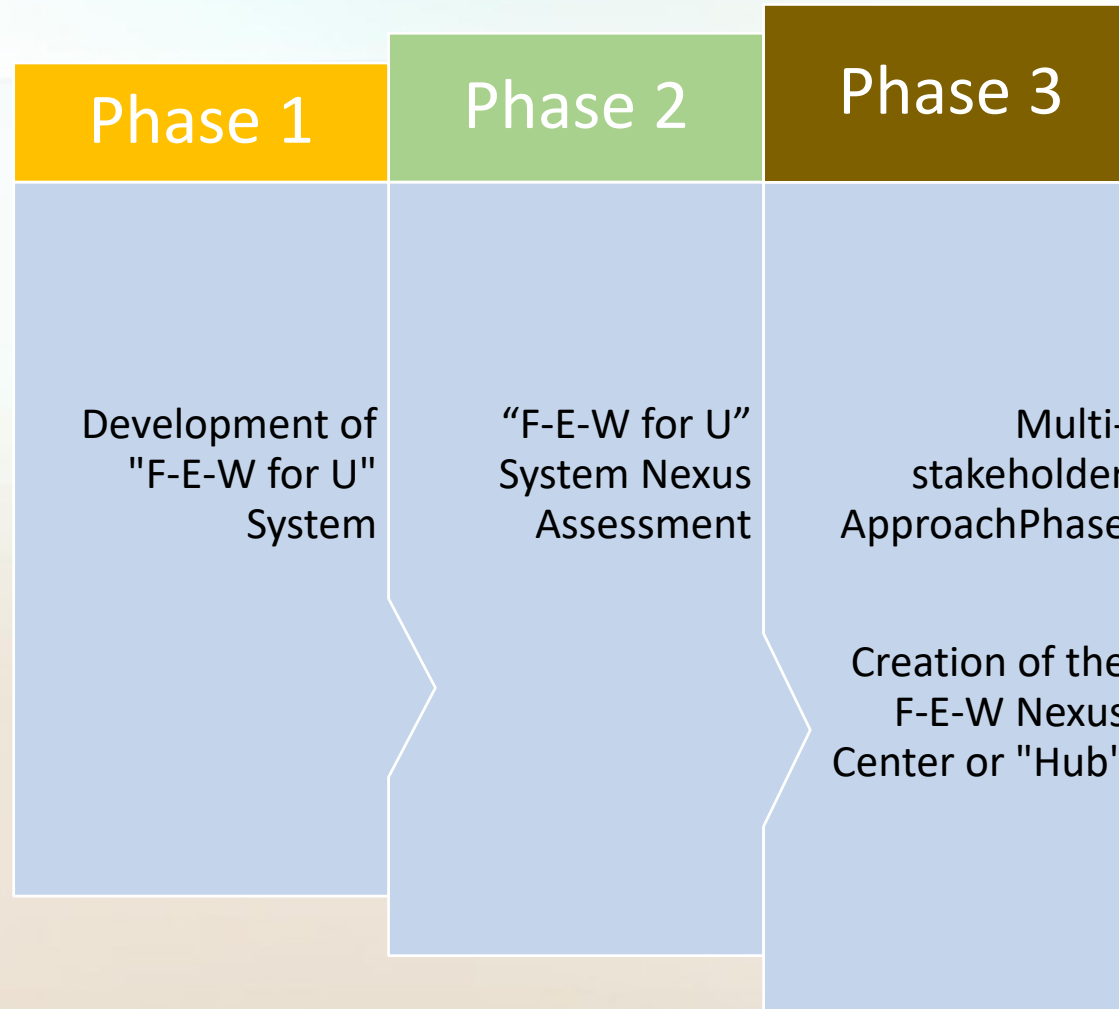
(Local Government Code, Sec, 324-d) 5% of the revenue

Using the revenue allotment of 2009, Php 10,053,996.00,

around **Php 502, 699.80** is allotted to the Municipality of Cabusao

Probable Affected Population	Budget Allocation (Php for 1 day)	Budget Allocation (Php for 5 days)
19,653	26.00	5.00
15,722 (80%)	32.00	6.00
11,791 (60%)	43.00	8.00
7,861 (40%)	64.00	13.00
3,930 (20%)	128.00	26.00

The Nexus System



Phase 1: Objective #1

To create an innovative, integrated, and comprehensive, accounting/simulation system

Phase 2: Objectives #2 and #3

To provide an understanding on the interactions between water, energy and food systems

To interpret the results of the nexus assessment and contextualize interventions, adaptation schemes, and appropriate response solutions such as CCA-DRRM strategies;

Phase 3: Objective #4

To train the stakeholders and policy-makers on how to assess the interactions of the nexus parameters.

For Policy-makers, Decision-makers, and other stakeholders

change in focus:

From climate-centered to decision centered focusing on people, communities and outcomes

From technical to strategic planning

From deterministic impacts modeling to managing the risk and uncertainty adaptively

From a focus on vulnerability to building adaptive capacity

“From a destination to journey”

The System



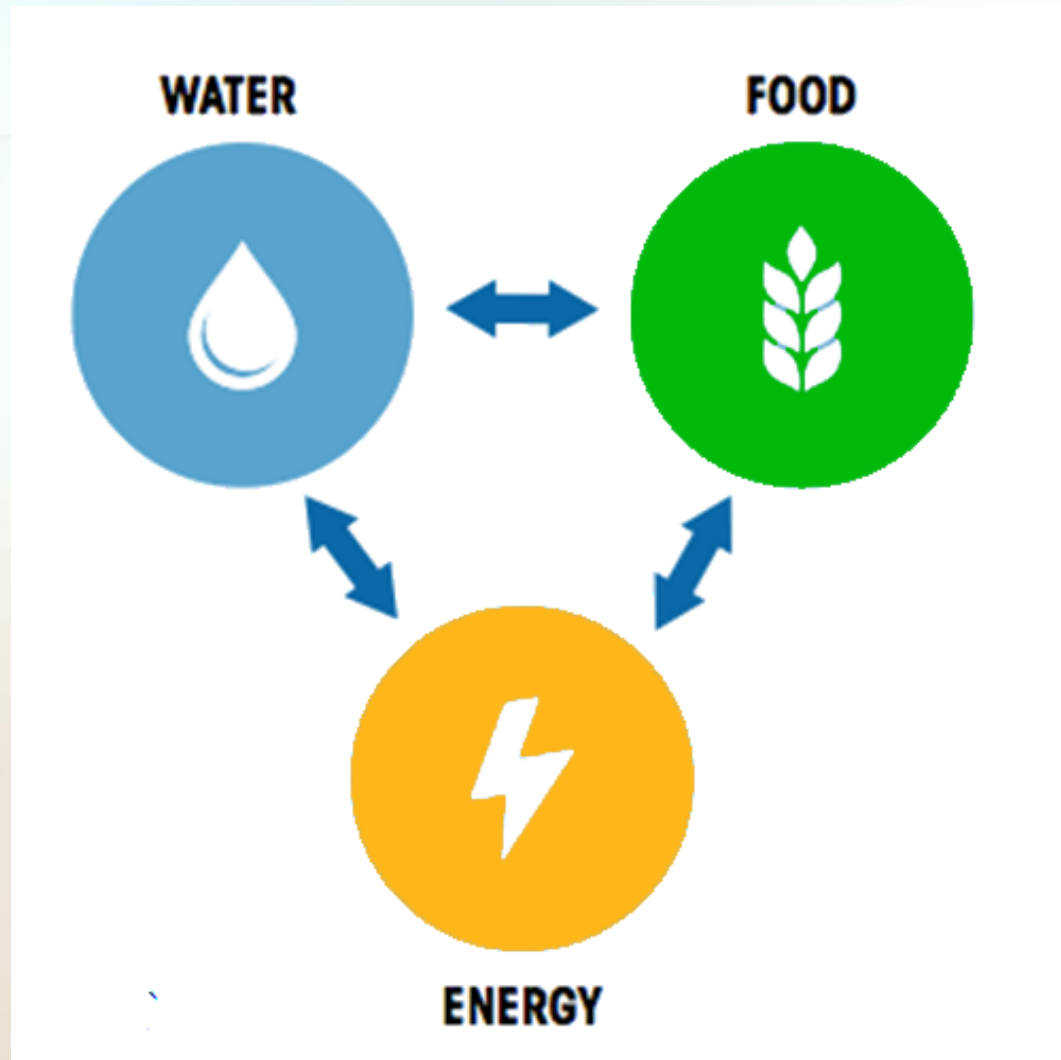
82 Provinces

135 Cities

1,493 Municipalities

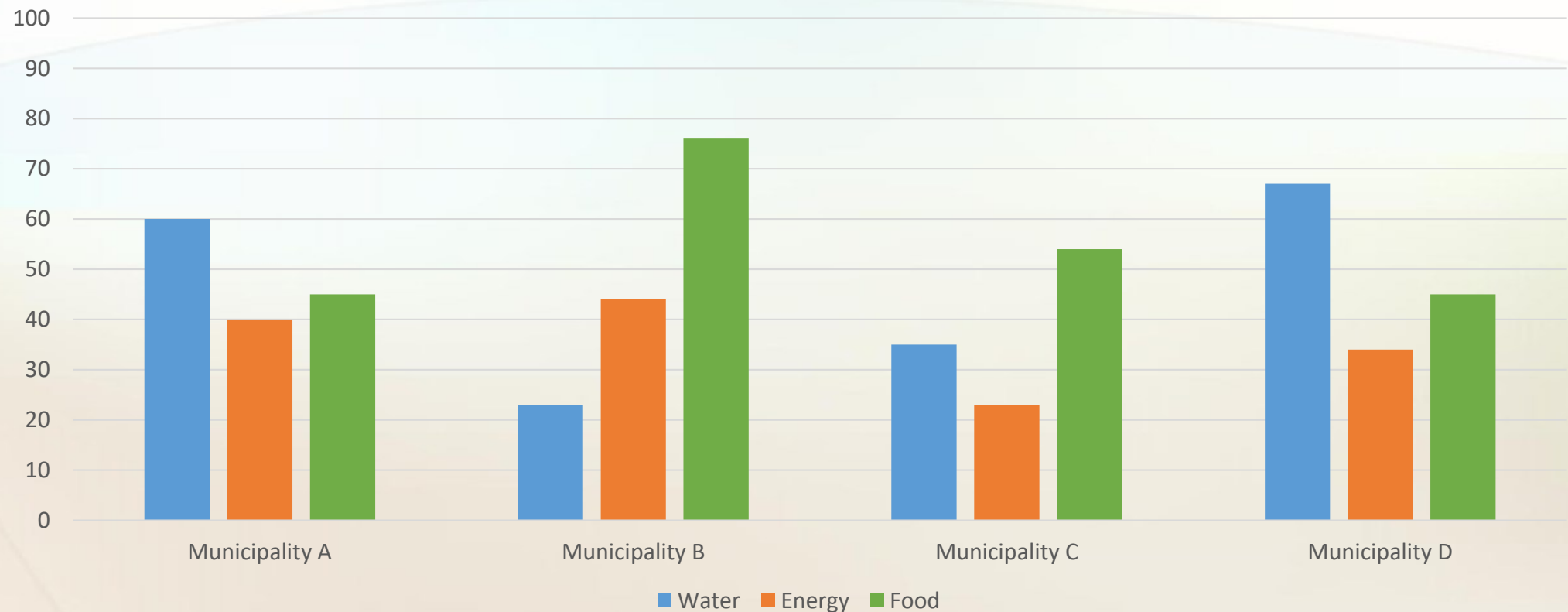
42,028 Barangays

The Framework



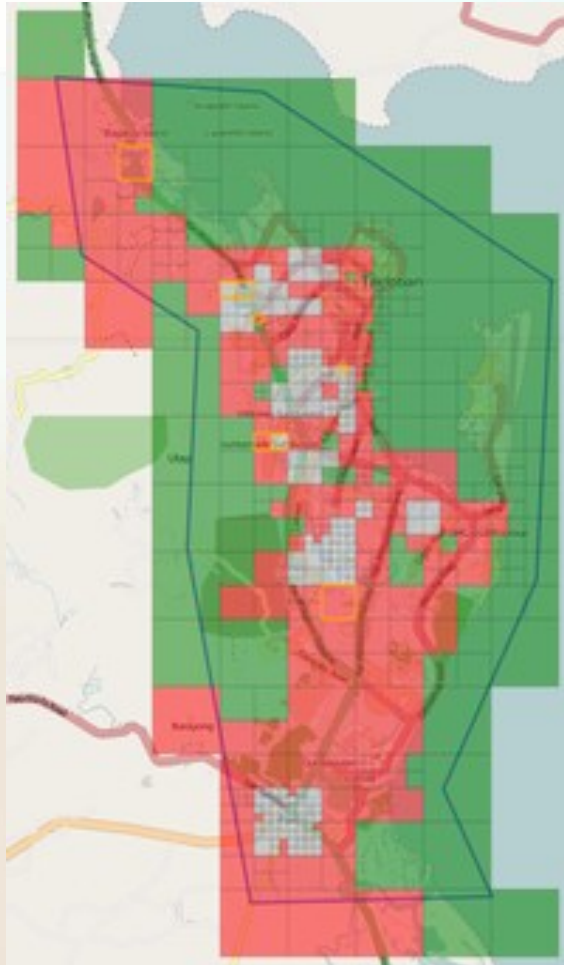
Sample Output (Comparing 4 municipalities)

FEW Comparison - Location (Simulation)



This could be one of the sample report after selecting multiple municipalities and entering the amount of damage to each FEW. This report is web based and can be accessed using any browser.

Sample Output (Showing the Overview of the Location)



Sample map for Water resources.

Green means ok and Red means non-existent.

Map may look different in actual final website since we're using different map and images.

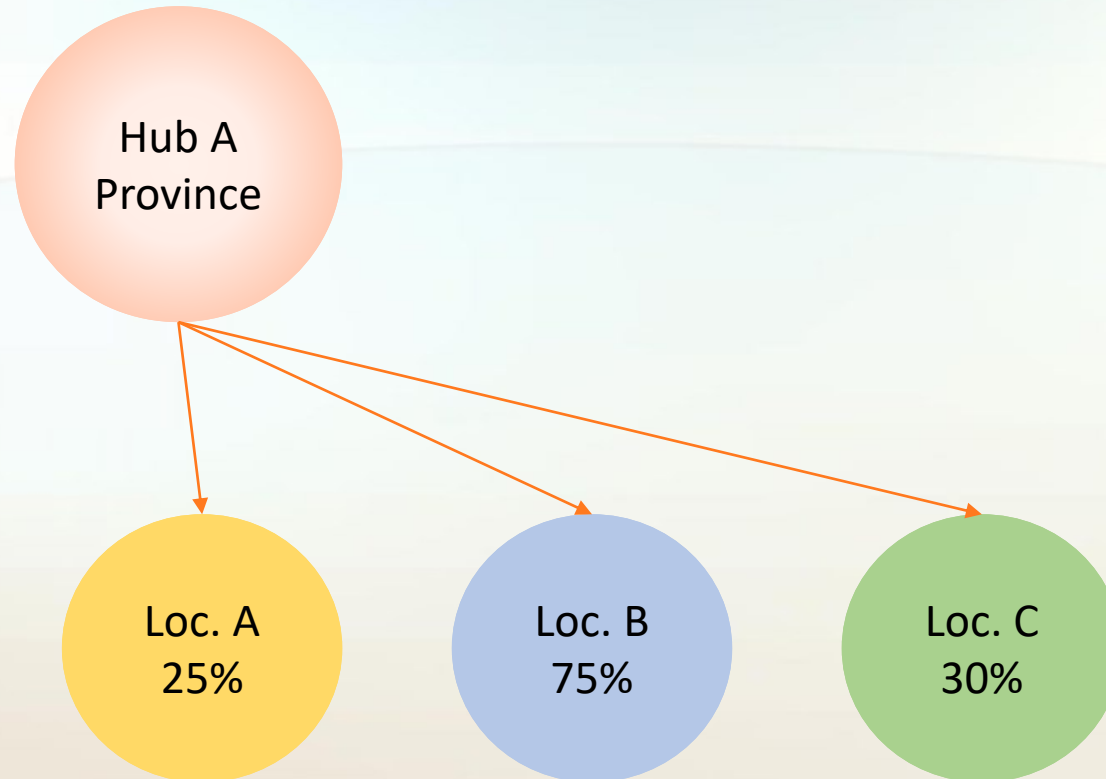
Sample Output (Recommendation)

Municipality A (FEW Status and Recommendation)

FEW	Availability	Recommendation/Suggested Solutions
Food	34%	Source from Municipality D (20% spare)
Water	50%	Source from Municipality B (Deep Well and Reservoir)
Energy	0%	Source from City C (10% spare), City F (25% spare)

Aside from the map showing the resources status, we could also show each item in tabular format. Filtering of information would be allowed.

Sample Output (Hub Distribution)



MILESTONES



Mindanao Development Authority (MINDA) –
Climate Smart Mindanao

Development Academy of the Philippines (DAP) –
Climate Smart Visayas



Palawan Council for Sustainable Development (PCSD) –
Climate Smart Palawan



Mindanao Region

Established a Memorandum of Agreement with the Mindanao Development Authority (MINDA)

a. Promotion, implementation, and monitoring of **“F-E-W for U” System**

b. Training for all the LGUs in Mindanao to access PSF (**People’s Survival Fund**)



People's Survival Fund (PSF) – Climate Fund



Development Partners



National Government
Agencies, Provincial, and
Local Government Units



CSOs, NGOs, POs,
Universities and Colleges



Private Sector, Industries,
and Service Providers

- **MOU with partners to implement the suggested policy framework**
- **Project and capacity development for various stakeholders**

Climate Smart Mindanao: “F-E-W for U” System

- Davao City



CLIMATE SMART Mindanao: “F-E-W for U” System

- Sarangani Province



CLIMATE SMART Mindanao: “F-E-W for U” System

- Sultan Kudarat Province



CLIMATE SMART Mindanao: “F-E-W for U” System

- South Cotabato Province



CLIMATE SMART Mindanao: “F-E-W for U” System

- Tacurong City



CLIMATE SMART Mindanao: “F-E-W for U” System

- General Santos City



CLIMATE SMART Mindanao: “F-E-W for U” System

- Cagayan De Oro City



People's Survival Fund (PSF)

RA 10174

People's Survival Fund (PSF)

Amending the RA 9729 known as the Climate Change Act of 2009, PSF aims to provide **long-stream finance for adaptation projects** to increase resiliency of the communities and ecosystem. There shall be an **annual allocation** of at least **1 Billion** to finance **Local Government Units and Local/Community Organizations** who wish to access the fund.

GUIDING PRINCIPLES IN ACCESSING THE FUND

Based on the National Climate Change Action
Plan (NCCAP) Priority Areas

Who may access PSF?

The Fund can be accessed by

LOCAL GOVERNMENT UNITS and
**ACCREDITED LOCAL/COMMUNITY
ORGANIZATIONS.**

What Programs/ Projects/ Activities can be funded by PSF?

1. Adaptation activities in the areas of **water and land resources management, agriculture and fisheries**, health, **infrastructure development**, and natural ecosystems



2. Forecasting and early warning systems as part of preparedness for climate-related hazards;

What Programs/ Projects/ Activities can be funded by PSF?

3. Institutional development, for local government units and organizations, for climate change **preventive measures, planning**, preparedness and management;



4. Monitoring, controlling and preventing vector-borne diseases triggered by climate change;

What Programs/ Projects/ Activities can be funded by PSF?

5. Establishment or strengthening **regional centers and information networks** supporting climate change adaptation efforts;



IMPORTANT REMINDERS

Local Government Units can apply for both **hard** (infrastructure) and **soft** (i.e. institutional development, capacity building, research, etc.) projects.

Local/Community Organizations can ONLY apply for **soft projects**.

Other stakeholders, private, NGAs or academe who wish to apply, may be implementing partner of any proposal as proposed by the LGUs/LCOs.

WHY?

DEMAND-DRIVEN

COMPLIANCE TO REQUIREMENTS (especially
VAs/LCCAP)

QUALITY PROPOSALS

(linkages to climate risks/scenarios/projections/
climate-proofing)

Where to base our adaptation projects?

Enhanced Comprehensive Land Use Plan

Enhanced Comprehensive Development Plan

Local Climate Change Action Plan

Vulnerability/Risk Assessments

Multiple Hazards (climate-related,
hydrometeorological hazards)

What data do we need?

Climate Risks being confronted

Climate Scenarios/ Climate Projections and its significance to your municipalities

Climate-Proofing or climate designs should be integrated.

MINDANAO EXPERIENCE

(in collaboration with the Mindanao Development Authority - MINDA)

Creation of the Mindanao Development Corridors – Joint Planning and Program for People’s Survival Fund (MinDC JPP for PSF)

- MINDA
- DILG (Regional)
- CHED (Regional)
- NEDA
- DOST – PCIEERD
- ECCRI
- GGGI – the development partner



PSF Project Development and Scientific Capacity Development for Mindanao (in collaboration with MINDA)

BATCH 1

- 11 Local Government Units were trained

Only with complete requirements

E-CDP

E-CLUP

RISK ASSESSMENT

LCCAP

Contents of the Project Development and Scientific Capacity Development

- Climate Science
- Risk Assessment
- Climate Scenarios (Historical Analysis)
- Basic Climate Modeling
- Climate Projections
- Development of the PSF Proposal

Batch 1: 11 Local Government Units

Region X

Baungon, Bukidnon

Valencia, Bukidnon

Libona, Bukidnon

Pangantucan, Bukidnon

Impasug-ong, Bukidnon

Kapatagan, Lanao del Norte

Gingoog City, Misamis

Oriental

Region XII

Polomolok, South Cotabato

ARMM

Upi, Maguindanao

Datu Paglas, Maguindanao

Parang, Maguindanao

Batch 2: 13 Local Government Units

Bukidnon

- a. Damulog
- b. Kitaotao
- c. Malitbog

Camiguin

- d. Sagay

Lanao del Norte

- e. Tangcal
- f. Sultan Naga Dimaporo

Lanao del Sur

- g. Piagapo
- h. Wao
- i. Calanogas

Maguindanao

- j. Datu Piong
- j. Buluan
- k. Kabuntalan

Zamboanga del Norte

- l. Zamboanga del Norte





Thank you!