



Republic of the Philippines
Department of Science and Technology

Philippine Atmospheric, Geophysical and Astronomical Services Administration

Water-Related Disaster Activities of PAGASA

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Presentation Outline

1. Introduction
2. Mission
3. Functions
4. Organizational Structure
5. Activities for Water Related Disasters
6. Products and Services
7. Way to go ...



The PAGASA

The National Hydrometeorological Service of the Philippines

Legal Mandate

“To provide protection against natural calamities and utilize scientific knowledge as an effective instrument to insure the safety, well being and economic security of all the people, and for the promotion of national progress.”

Section 2, Statement of Policy, Presidential Decree No. 78; December 1972 as amended by Presidential Decree No. 1149; August 1977



A satellite view of Earth from space, showing the curvature of the planet and the blue and white clouds of the atmosphere. The image is used as a background for the slide.

Mission

“Protecting lives, properties and livelihood through timely, accurate and reliable weather-related information and services.”



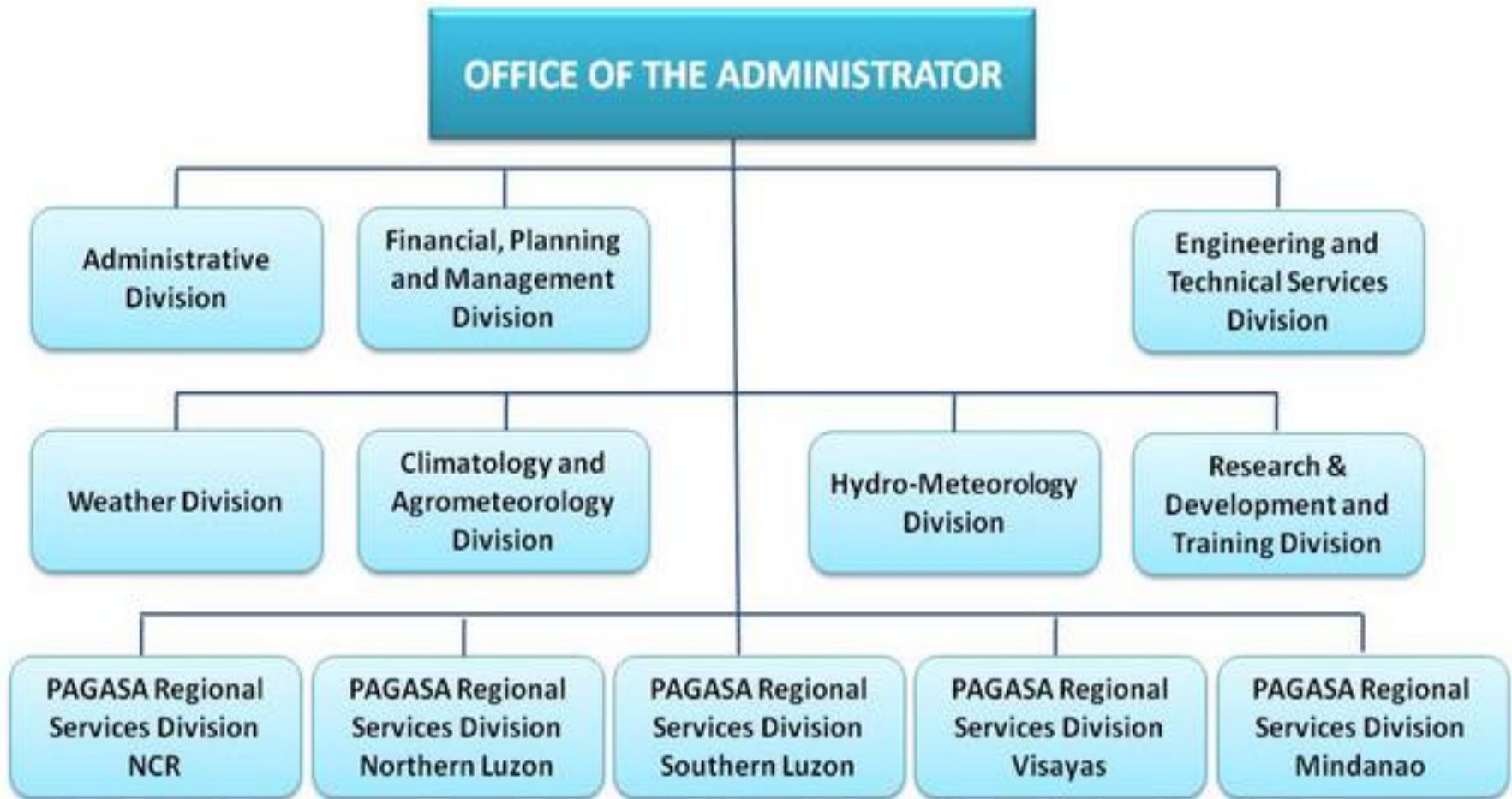
Functions

Executive Order No. 128; January 1987

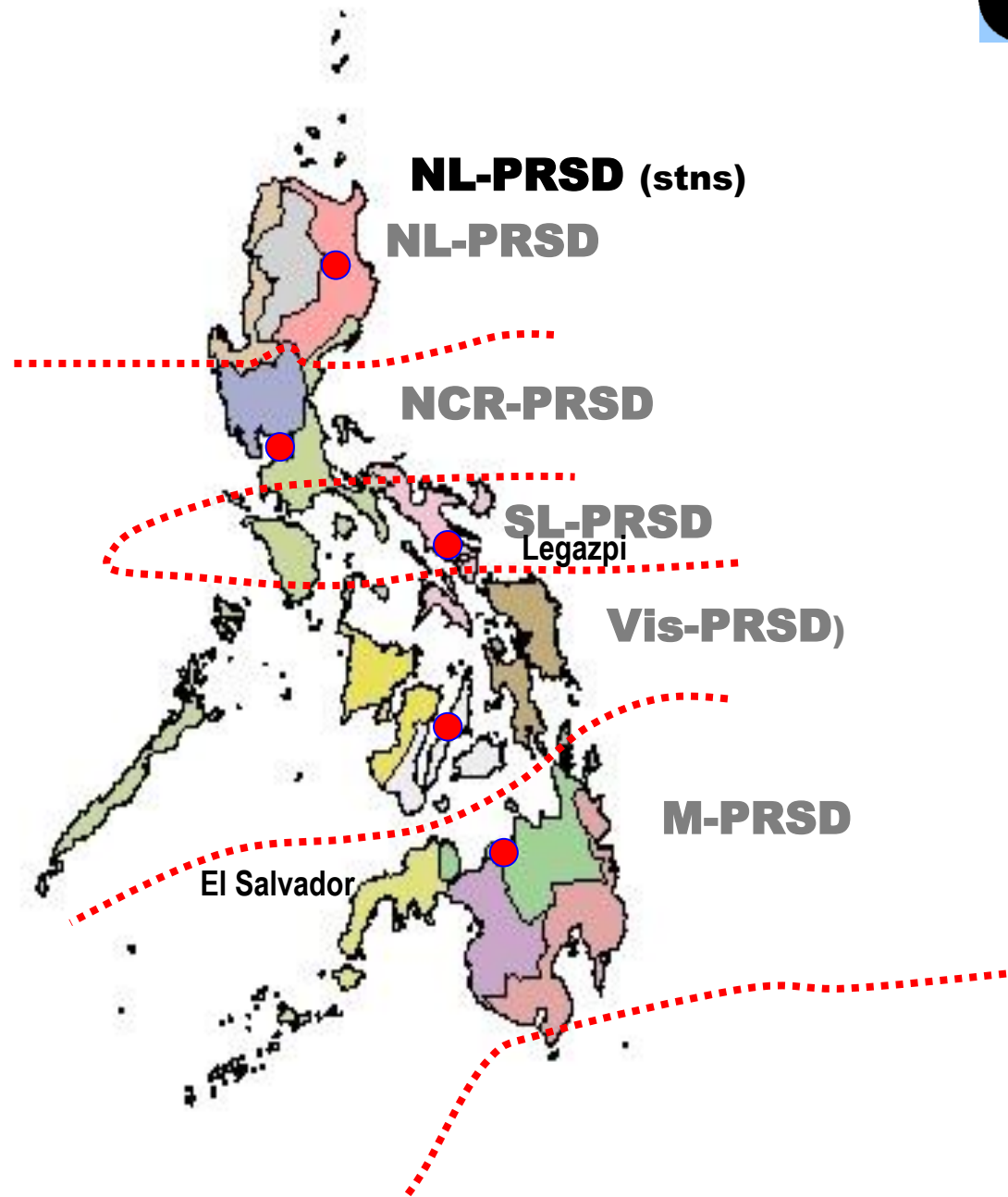
1. Maintain weather, climate and flood monitoring facilities;
2. Undertake activities relative to observation, collection, processing and analyses of atmospheric and allied data for the benefit of the diff sectors e.g. agriculture, commerce, industry
3. Engage in researches/studies of Weather, Climate, Flood and geophysical phenomena essential to the safety and welfare of the people;
4. Maintain linkages with different organizations (local and abroad).



Organizational Structure



PAGASA Regl Services Division



Activities for Water-Related Disasters

Tracking the sky...Helping the country

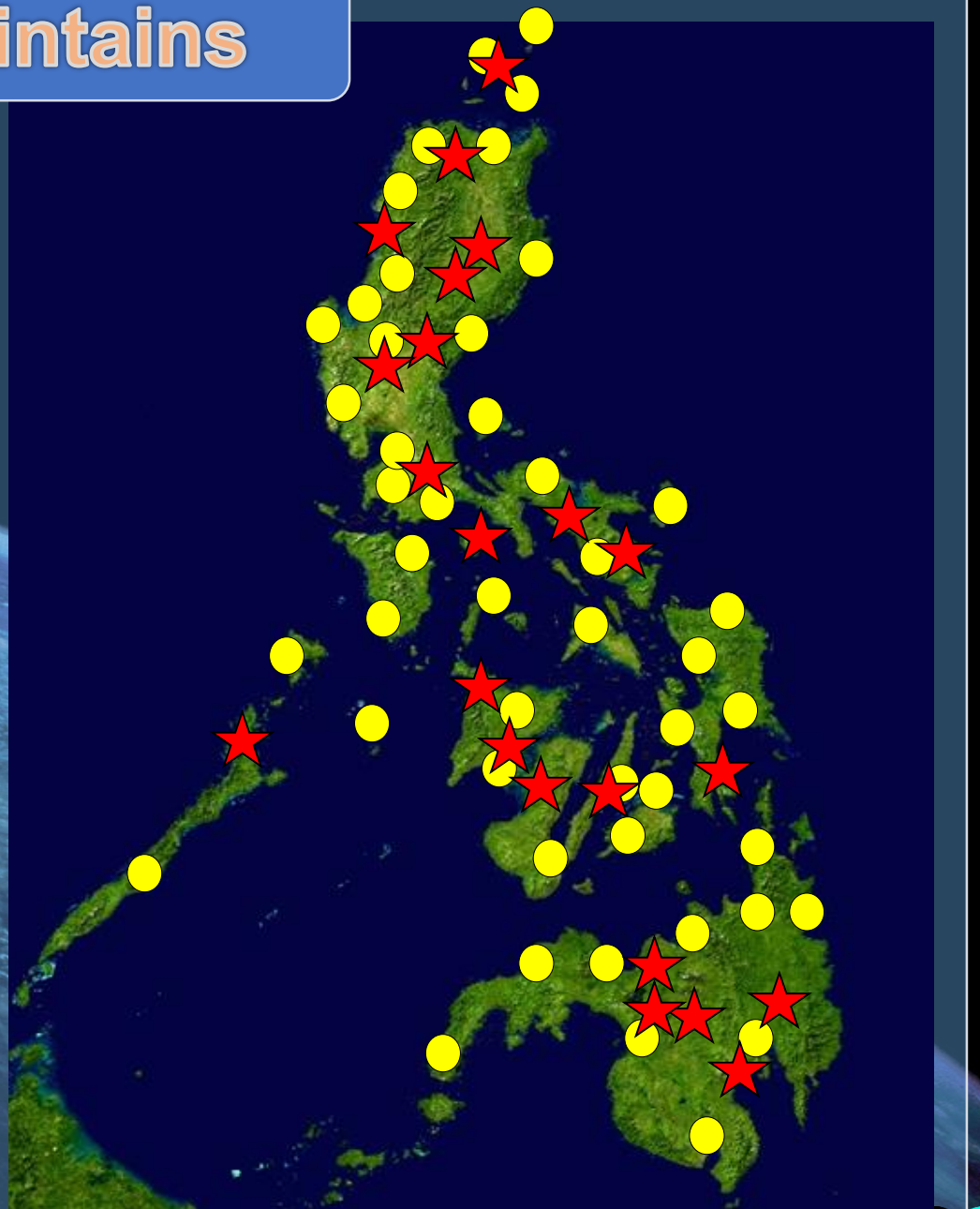


Operates and maintains



LEGEND:

- 58 Synoptic Stations
- ★ 25 Agromet Stations



Tracking the sky...Helping the country



Operates and Maintains

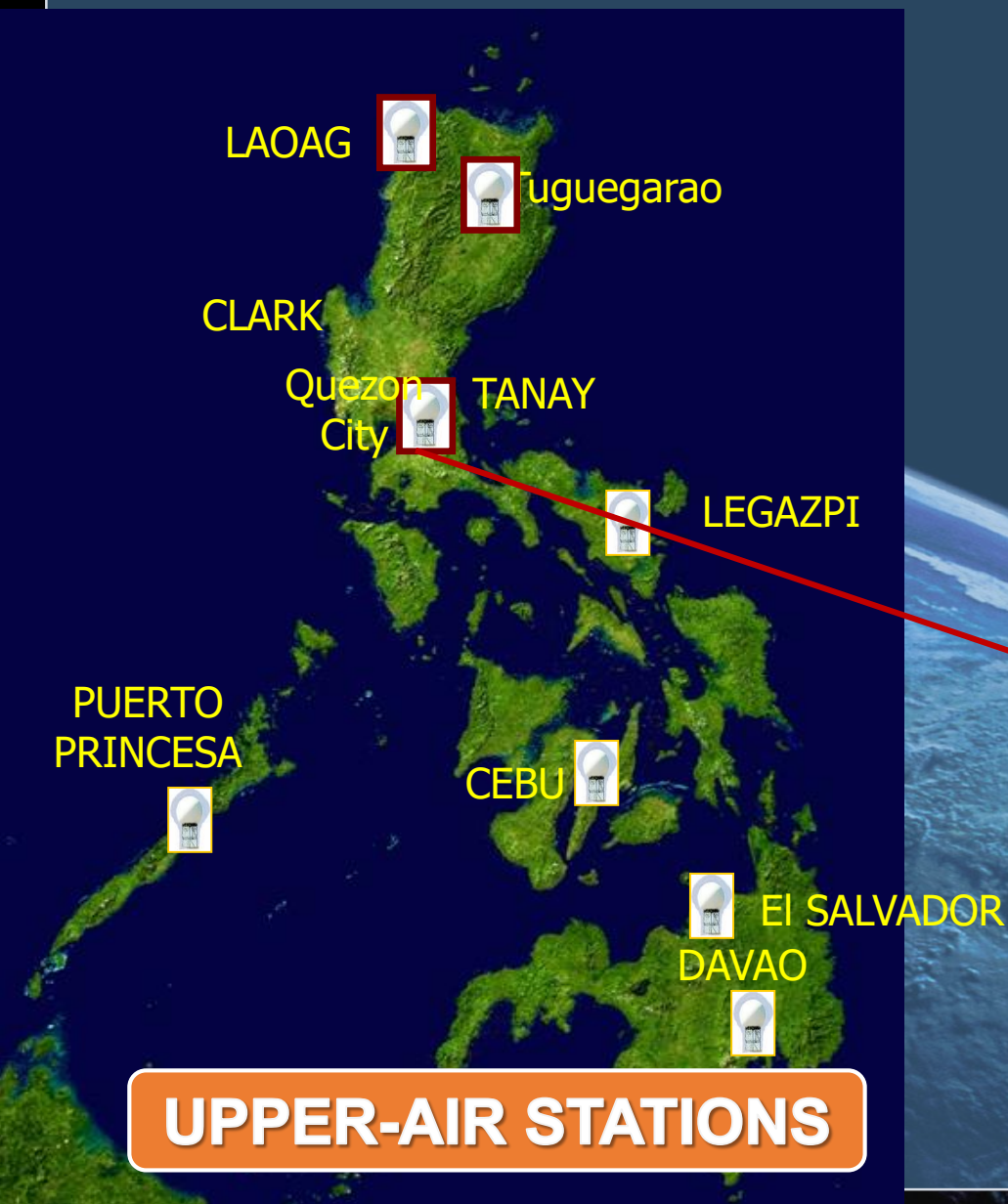


Radar Network

Tracking the sky...Helping the country



Operates and Maintains



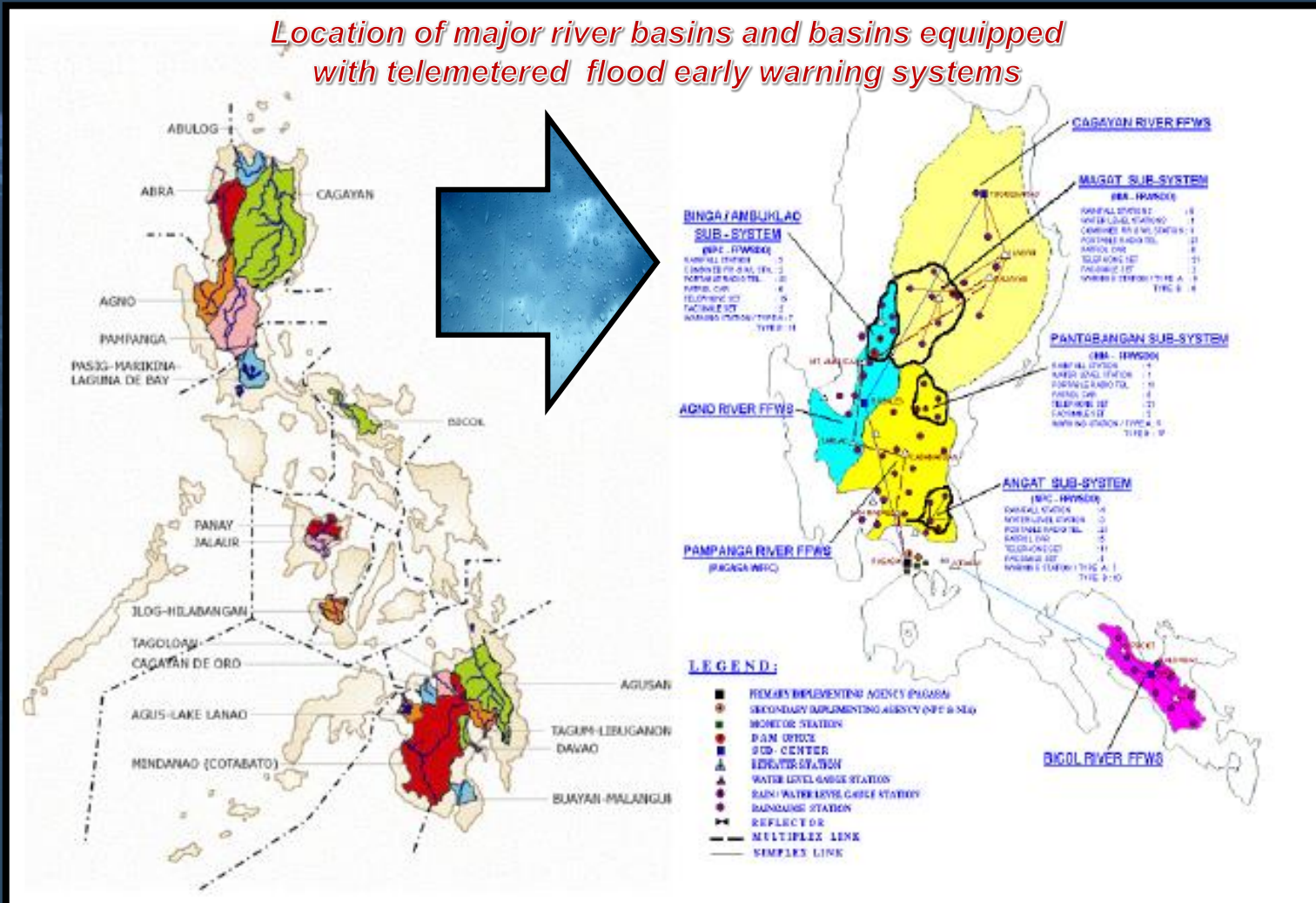
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Undertakes

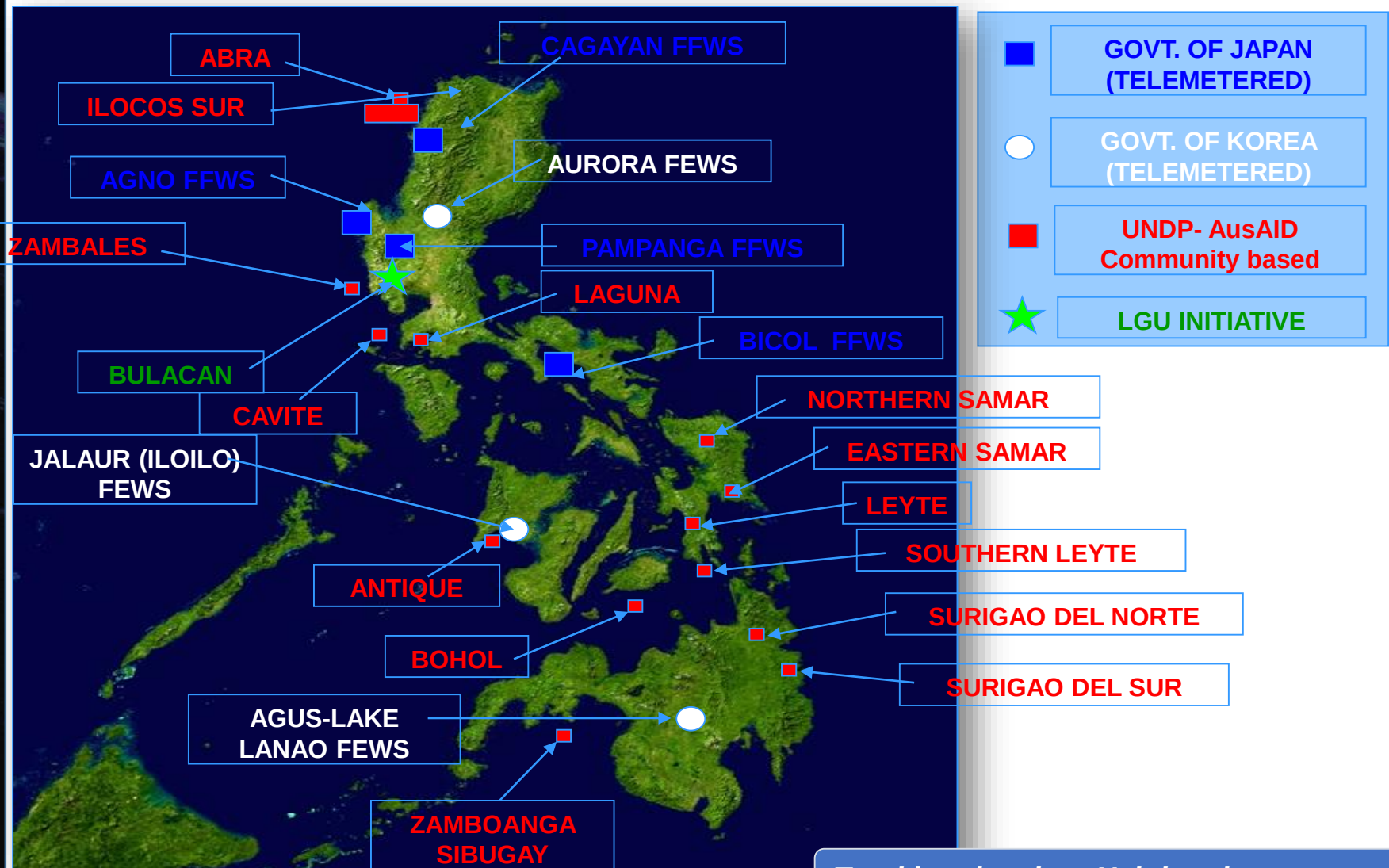
FLOOD MONITORING & FORECASTING

Location of major river basins and basins equipped with telemetered flood early warning systems



Establishes and Operates

FLOOD Early Warning System



Tracking the sky...Helping the country



Maintains

MTSAT Tuguegarao, Quezon City
 Mactan, El Salvador

MODIS Quezon City

FY2 Quezon City

NOAA Quezon City

WAFS Quezon City, Mactan



Satellite Receiving Facilities

Tracking the sky...Helping the country



Products and Services

Tracking the sky...Helping the country



Products

Flood Forecasting & Warning Services

Products

1. Basin Flood Bulletins for Telemetered and Non-telemetered river basins.
2. Dam Discharge Warning Information during spilling operation of the monitored Dams
3. Daily Hydrological Forecasts during Non-flood Watch



Services

Nowcasting/warning Services

Hazards	Signal/Warning
Tropical Cyclone	1, 2, 3, 4, 5
Heavy Rainfall	 Be Alert  Be Prepared  Take Action
Thunderstorm	 Information  Watch  Advisory



Other Services

Information, Education and Communication Campaign

- Public Information Drive with partners
- National Observation of the Typhoon and Flood Awareness Week
- Participation on S & T Exhibits
- Quarterly Conduct of Climate Forum
- Radio & TV guesting
- Conduct Press Conference
- IEC Lectures on Weather, Flood, Climate & Astronomy



Way to go . . .

Strengthen Observation network

- Establish Flood forecasting and Warning Centers in all major river basins**
- Establish raingage radars in River basins**

. By 2020 – 20 C-band/S-band radar Network

. Robust Communication System

. Enhance Computing Facilities

- Integrated Database MS

. Customize Products and Services

- Sector/user oriented**
- Scenario based forecast**

. Focus Researches to improve operational forecasting



Way to go . . .

Strengthen Linkages/Partnership

- **Enhance cooperation (Public Information drive)**

Human Resource Development

- **Operational Forecasting**
- **Weather/Flood/Climate**

Strengthen Numerical modeling Capability

- **Advance programming**
- **Data Assimilation**
- **EPS**



Thank You!!!

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www.pagasa.dost.gov.ph

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IEC

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The screenshot displays the official website of the Philippine Atmospheric, Geographical, and Astronomical Service (PAGASA). The header includes navigation links for DOST HOME, DOST AGENCIES, and DOST REGIONAL OFFICES. The main content area features a large map of the Philippines with a weather forecast overlay, a 'SPECIAL WEATHER FORECAST FOR MAYON' section, and a 'WEATHER WARNING/ADVISORIES' section. The footer contains social media links for Facebook and Twitter, and a section for 'DOST REGIONAL OFFICES'.

Tracking the sky...Helping the country

