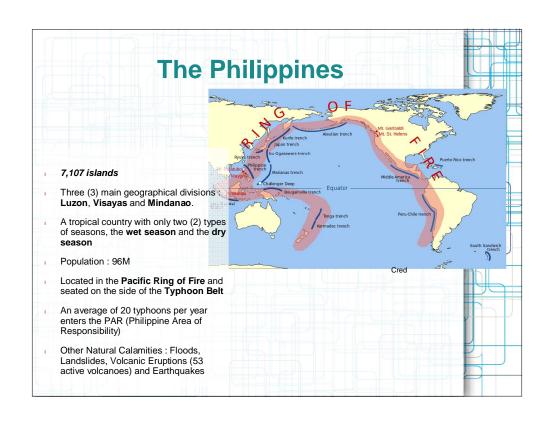
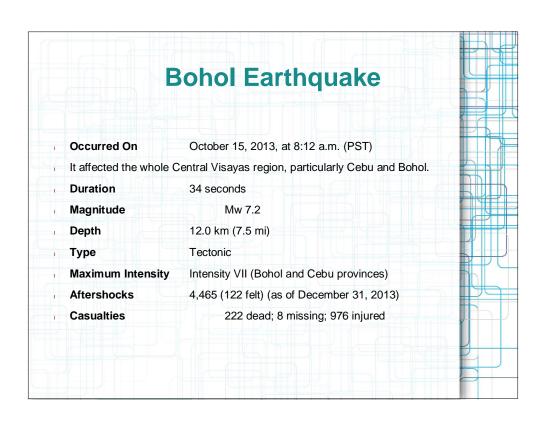
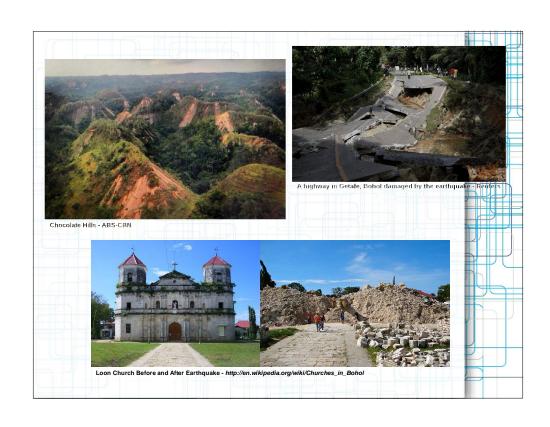
# Philippine DRM Projects and Geo-DRM

# Outline Philippine Hazards Government Projects Data Sharing Issues and Challenges







	Typhoons in PH							
	Landfall	Highest Wind	Lowest Pressure	Fatalitie s	Damage	Other Affected Areas		
Typhoon Ketsana (Ondoy)	September 26, 2009	10-minute sustained: 130 km/h (80 mph) 1- minute sustained: 165 km/h (105 mph)	960 mbar (hPa); 28.35 inHg	464 deaths, 37 missing	\$237,14 1,524.35 (2009 USD)	China, Vietnam, Laos, Cambodia, Thailand		
Typhoon Washi (Sendong)	December 13, 2011	10-minute sustained: 95 km/h (60 mph) 1- minute sustained: 95 km/h (60 mph)	992 mbar (hPa); 29.29 inHg	1,257 de aths, 85 missing	\$47,233, 872.00 (2012 USD)	Micronesia, Palau		
Typhoon Bopha (Pablo)	December 3, 2012	10-minute sustained: 185 km/h (115 mph) 1- minute sustained: 280 km/h (175 mph)	930 mbar (hPa); 27.46 inHg	1,901 deaths, 834 missing	\$1.04 billion (2012 USD)	Federated States of Micronesia, Palau		



- Hit PH on November 8
- Fatalities: 6,268 deaths, 28,689 injured, 1,061 missing
- Damage: \$1.5 billion (2013 USD) (Preliminary total)
- People displaced: 4 million
- Homes destroyed/damaged: 1.1
- Other Areas affected: Micronesia, Southern China, Vietnam

### Tacloban City, Leyte

- Storm Surge Height: 5 to 6 meter (15-19 ft)
- 90 percent of the city had been destroyed
- "off the scale, and apocalyptic"



Credits http://www.ter

om.ph

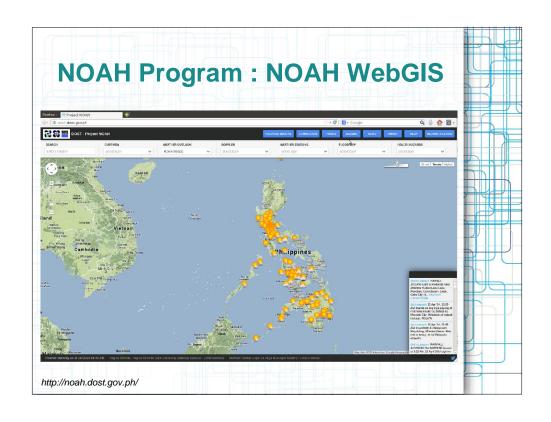


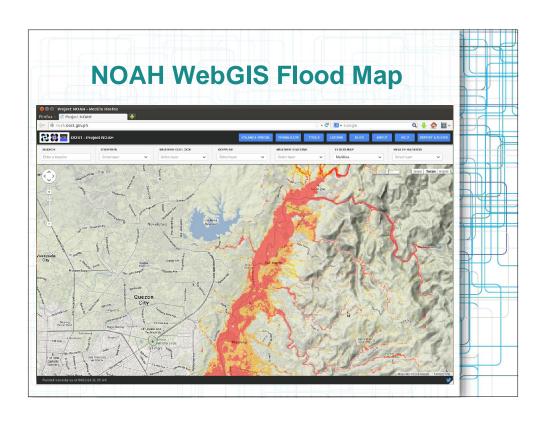
### **GOVERNMENT PROJECTS**

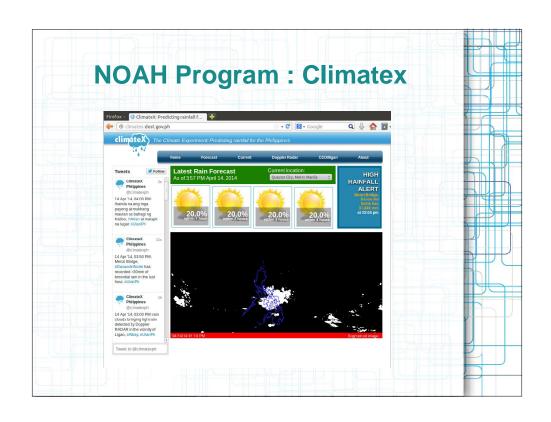
- NOAH Program
  - Nationwide Operational Assessments of Hazards (NOAH) is the Philippine's flagship program on disaster prevention and mitigation by the Department of Science and Technology (DOST)
- ICT (Information and Communications Technology) For the Environment Program
  - A program in collaboration with the PAGASA (Philippine Atmospheric, Geophysical and Astronomical Services Administration), which is the Philippine Weather Bureau. This prorgram is a network of automated weather station that automatically acquires and collects environmental parameters that will be used to forecast weather related calamities.
- Computing and Archiving Research Environment (CoARE)
  - This project essentially targets to enable multiple data integration from ASTIinitiated projects and collaborative projects with other agencies that have high requirements for data storage and high-performance computing.
- Philippine Geoportal
  - A multi-agency project which aims to establish a spatial data infrastructure that provides and integrates geographically-referenced data. This is spearheaded by NAMRIA, which is the the central mapping agency, depository, and distribution facility for natural resources data.

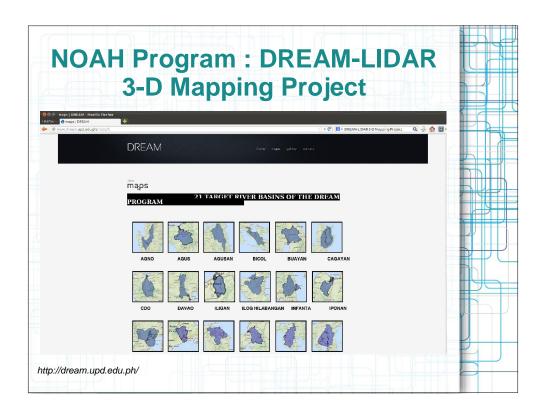
### **The NOAH Program**

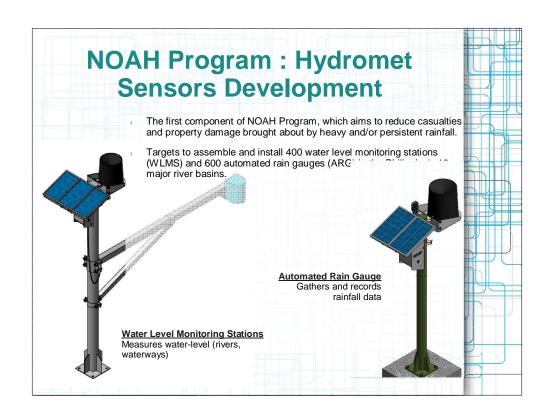
- Nationwide Operational Assessments of Hazards (NOAH) is the Philippine's flagship program on disaster prevention and mitigation by the Department of Science and Technology (DOST)
- Nine (9) component projects:
  - Hydromet Sensors Development
  - DREAM-LIDAR 3-D Mapping Project
    - Flood NET-Flood Modeling Project (The Climate Experiment Project)
  - Hazards Information Media (Disaster Management using WebGIS)
  - Enhancing Geo-hazards Mapping through LIDAR
  - Doppler System Development
  - Landslide Sensors Development Project
  - Storm Surge Inundation Mapping Project
  - Weather Information Integration for System Enhancement (WISE)











## Other Component Projects of NOAH

**Landslide Sensors Development Project** – This seeks to improve existing landslide hazard maps and aims to bet able to use state-of-the-art techniques to construct **landslide hazard maps**.

## 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 5490

