Nationwide Operational Assessment of Hazards

Project NOAH team
AVOIDING DISASTERS

WARN

RESPOND
WARN
AREAS WITH $\geq 100$ mm OF RAIN THAT MAY TRIGGER LANDSLIDES & FLOODS

*Based on PAGASA WRF*

231 Municipalities in 12 regions
Problems in days in advance forecast for disaster preparedness

• “Equations for the forecast models are built for higher latitude areas” – Julian Hunt, Director General and Chief Executive of the British Meteorological Survey from 1992-1997

• Land-sea-atmosphere interaction poorly understood in this region

• Accuracy of weather forecasts is never 100% because it is a model.
Land-sea-atmosphere interaction
Land-sea-atmosphere interaction
Land-sea-atmosphere interaction
DOPPLER RADAR

Yolanda Doppler Radar image as it traverses the central Philippines region
WARN
Water Level in the last 24 hours

Aug 21, 2015 09:50 AM
Water Level: 5.23 m
Cagayan de Oro City

Water Level in the last 24 hours

Dec 04, 2012 12:50 PM
Water Level: 7.65 m
mario @ohohmario
Good after noon po

Anica Bianca Ordan @anicaordan
@ohohmario Good afternooooon Mario Baby! I love youu! <3

mika @inspiritmika
@ohohmario hi

★TWINKLE★ @superstaaarr
@ohohmario Hi Mario! Chan Rak Khun! :"

Reply to @ohohmario
Forecast track & satellite image of typhoon #SantiPH. Paki share din po ito sa inyong mga kaibigan at mga kababayan.

pic.twitter.com/75VuzARmtb

10/11/13, 8:06 AM

Forecast track & satellite image of typhoon #SantiPH. Ang mag-retweet nito ay gaganda ang love life.

pic.twitter.com/VEqIvZrJsm

10/11/13, 8:21 AM
Another typhoon "Koppu"... I am worried about people in the Philippine... 台風24号。この台風の雲下で苦しんでいる人達がいる事を思うと、悲しくなります。。
BAGSIK NI LANDO
MARAMING KALSADA, HINDI PA RIN MADAANAN
DAHIL SA BABA AT LANDSLIDES
Typhoon Pablo on 4 December 2012