

DISASTER RISK REDUCTION J-POW Project 2nd Annual Seminar 28 January 2016

COMMUNICATING WEATHER HAZARDS



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Early Warning System

Empower individuals and communities, threatened by natural hazards, to act in sufficient time and in an appropriate manner so as to reduce the possibility of personal injury, loss of life and damage to property, or nearby and fragile environments

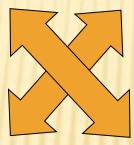




Four Elements of an Effective EWS

RISK KNOWLEDGE

MONITORING
AND WARNING
SERVICE



DISSEMINATION
AND
COMMUNICATION

RESPONSE CAPABILITY





Dissemination and communication

- + Communicate risk information and early warnings
 - * Warning must reach all of those at risk
 - * People must understand the risks and warnings
 - * Information should be clear and simple
 - * All levels of communication must be identified
 - * One authoritative voice, one message

Early Warning System



- Clear and simple to be understood by population at risk
- Timeliness
- Widest dissemination possible
- Site-specific
- Hazard-tailored warning
- Should reach lowest level of community
- Reliable communication





BEHAVIORAL RESPONSE

"Multistage decision-making process."

- 1. Hearing the warning.
- 2. Believing that it is credible.
- 3. Confirming the warning.
- 4. Deciding if it pertains to the recipient.
- 5. Determining if protective action is necessary.
- 6. Deciding if protective action is feasible.
- 7. Determining which action to take.





People often wait to act while confirming the message

- Various groups tend to turn for confirmation information.
- Social networks are critical resources for confirming the personal relevance of a message. This appears to be especially true for women and men and some racial and ethnic groups.

BEHAVIORAL RESPONSE



- To motivate the desired behavioral response, the message must be personalized
 - + If we want people to heed risk communications, then "warning messages must mean something to them"
- Message recipients enter a final decisionmaking stage if they need to act.
 - + Previous disaster experience will motivate compliance.
 - + Prior experience also serves as a framework for comparing one's current opinion.

Role of Mass Media



- Assist in the dissemination of warnings, advisories, and bulletins from official sources to threatened communities.
- Assist in warning and empowering people to take practical steps to protect themselves from natural hazards.
- Translate highly technical information into simple, concise and understandable pieces of information ('laymanizing').
- Provide information on preparedness measures for future similar disasters (disaster prevention rather than response).

TROPICAL STORM "ONDOY" (SEP 2009)







SUPERTYPHOON "YOLANDA" (NOV 2013)





Hagupit ng Habagat (Aug 2012, 2013 and 2014)





- GMA News public service campaign, was launched in October 2010 in time for the first anniversary of Ondoy.
- * A cohesive and comprehensive task-preparedness campaign with one primary objective to reassure and remind people to take precautionary measures against flood and rain-induced emergency situations.



- Instill a proactive attitude of preparedness by giving viewers practical tips on what to do before, during and after the rains.
- Provide information that will help people prepare for potential disasters brought about by the typhoon season.



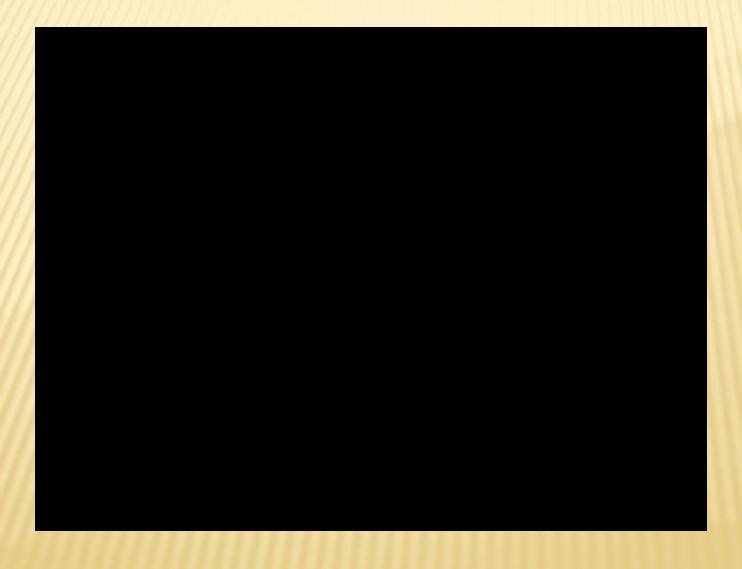






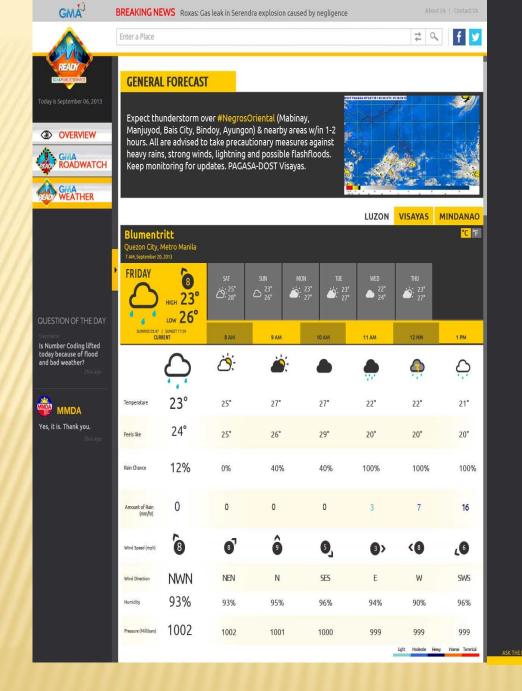


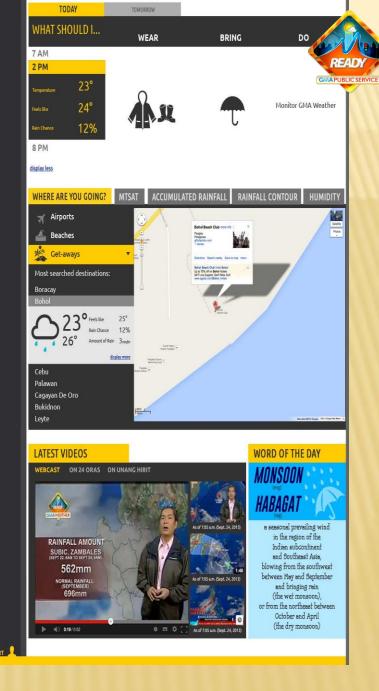
















IM Ready Tips

USEFUL TIPS THIS RAINY SEASON



- Keep flash lights, candles and battery powered radios within easy reach.
- Prepare foods that need not be cooked.
- Secure domesticated animals in a safe place.
- Stay inside the house and always keep yourself updated with the latest weather report
- Do not wade through floodwaters to avoid being electri cuted and contracting diseases.







KINAKAILANGANG TUMAWID SA ILOG O BAHANG KALYE

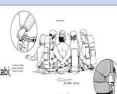
TANDAAN: Na kahit hanggang tuhod na tubig ay maaari ka nang tangayin ng umaagos na tubig. Kaya't tumawid lamang sa ilog o bahang kalye kung talagang kinakailangan.

> Huwag nang tumawid kung: malabo na ang tubig, malakas ang agos, o naririnig ang mga batong gumugulong sa ilalim ng ilog.

> Kung mag-isang tatawid, gumamit ng kahoy na pangtukod at para kapain ang mga butas gaya ng manhole sa ilalim ng tubig. Kung may mga kasama, gamitin ang mutual support method.

ANG MUTUAL SUPPORT METHOD

- 1. Tumawid ng magkakasama. Ang mga mas sanay tumawid ang nasa magkabilang dulo;
- 2. Kumapit sa sinturon o sa suotan ng sinturon ng katabi;
- Lumakad ng dahan-dahan at isang hilera.



PAANO GAGAWING FLOOD-PROOF ANG INYONG BAHAY?

MAG-INSTALL NG MGA "CHECK VALVES" O ONE-WAY VALVE SA INYONG LABABO AT IBA PANG TUBO PARA HINDI DITO BUMULWAK ANG TUBIG MULA SA BAHA.

MAGTAYO NG FLOOD BARRIER O FLOOD SKIRTS NA HAHARANG SA PAGPASOK NG TUBIG BAHA SA LOOB NG INYONG BAHAY. **PWEDE RING GAWAN NG KANAL ANG** PALIBOT NG BAHAY.

MAGTANIM NG MGA "WATER-THIRSTY" NA HALAMAN SA PALIGID NG INYONG BAHAY TULAD NG KAWAYAN AT SAGING.

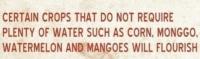
> KUNG YARI SA KAHOY O CHIPBOARD ANG INYONG SAHIG, MAIGING PALITAN ITO NG SEMENTO AT CERAMIC TILES.

SIGURUHING WALANG BUTAS AT HINDI MAPAPASOK NG TUBIG ANG INYONG BUBONG AT MGA BINTANA.

EL NIÑO 101

ENEFICIAL EFFECTS OF EL NIÑO

LESS TROPICAL CYCLONE OCCURRENCE





WINDOW OF OPPORTUNITY FOR SOME BUSINESSMEN SINCE THERE WILL BE HIGHER DEMAND FOR THIRST QUENCHERS, AIR CONDITIONERS, ETC.

EGATIVE IMPACTS OF EL NIÑO

HIGHER CHANCE OF DROUGHT



POWER SUPPLY MAY BE ALSO BE AFFECTED **ESPECIALLY AREAS DEPENDENT ON** HYDRO-ELECTRIC POWER

PRODUCTION OF RICE AND OTHER WATER-LOVING CROPS WILL LESSEN

HEAT-RELATED DISEASES ARE MORE IMMINENT

SINCE THERE WILL BE LESS RAINS, THE EFFECTS OF POLLUTION AND OCCURRENCE OF RED TIDE WILL ALSO BE MORE PROMINENT









ORANGE WARNING

15-30 mm NA DAMI NG ULAN

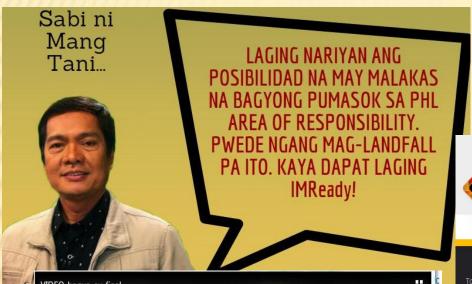
MAY BANTA NG BAHA

MAGHANDA SA POSIBLENG PAGLIKAS

SOURCE: PAGASA

I AM READY EXPLAINER AND WEBCAST







JUST IN: LOOK: Fashion designer makes Maine Mendoza doll Jan 28, 2016 1:59am









Challenges -

- Laymanize
- Interactive graphics for different weather hazards
 - Wind and rainfall intensity
 - Storm surge
 - Init factor
- Most people hate numbers and graphs
- Use of social media (Facebook, Twitter, etc.)
 - More explainers
 - Regular webcasts
- Accurate forecast is not enough. Communication and understanding are the key elements.

MARAMING SALAMAT PO!!!

