



MALDIVES METEOROLOGICAL SERVICE (MMS)



MANDATE

PLAN, DEVELOP AND MANAGE METEOROLOGY IN MALDIVES

GATHER AND MAINTAIN SCIENTIFIC INFORMATION ABOUT DIFFERENT FIELDS OF METEOROLOGY

FACILITATE A MECHANISM FOR AN EASY ACCESS OF THESE INFORMATION TO THE PUBLIC AND END USERS

FIND WAYS AND EXPLORE NEW TECHNOLOGIES TO PREDICT WEATHER AND TSUNAMI INFORMATION AND DISSEMINATE WARNINGS

MONITOR AND RECORD SEISMIC ACTIVITIES IN THE MALDIVES AND CONCERNED AREAS AND DISSEMINATE ALERTS ACCORDINGLY

MALDIVES NATIONAL MULTI-HAZARD EARLY WARNING CENTRE

MMS USES 4 DIFFERENT COLOURS, WHITE, **YELLOW**, **RED**, AND **GREEN** FOR EACH LEVEL OF EMERGENCIES

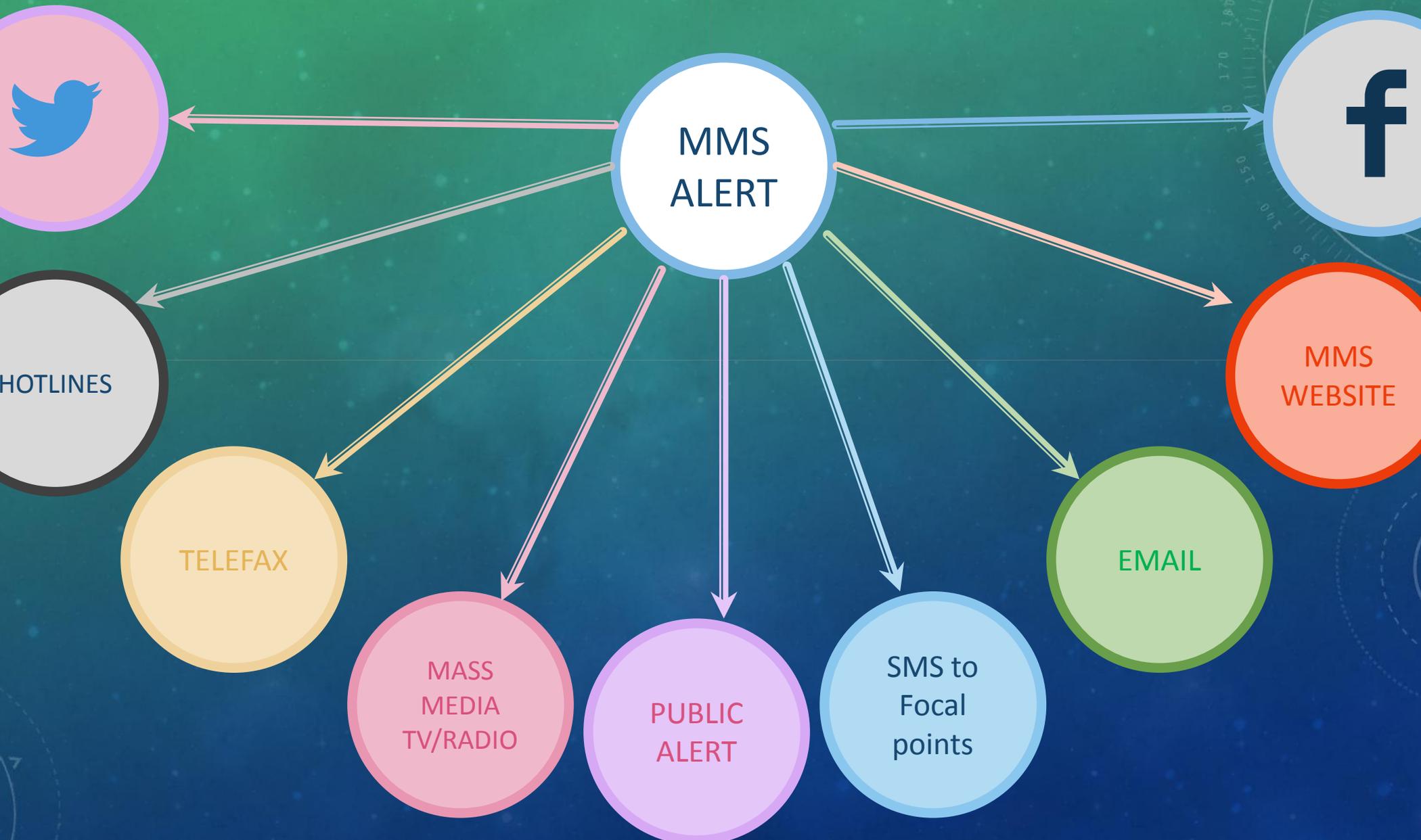
STAGE 1: ALERT LEVEL 1, (LOOK-OUT – WHITE), INFORMATION BULLETIN

STAGE 2: ALERT LEVEL 2, (ADVISORY – YELLOW), ADVISORY BULLETIN

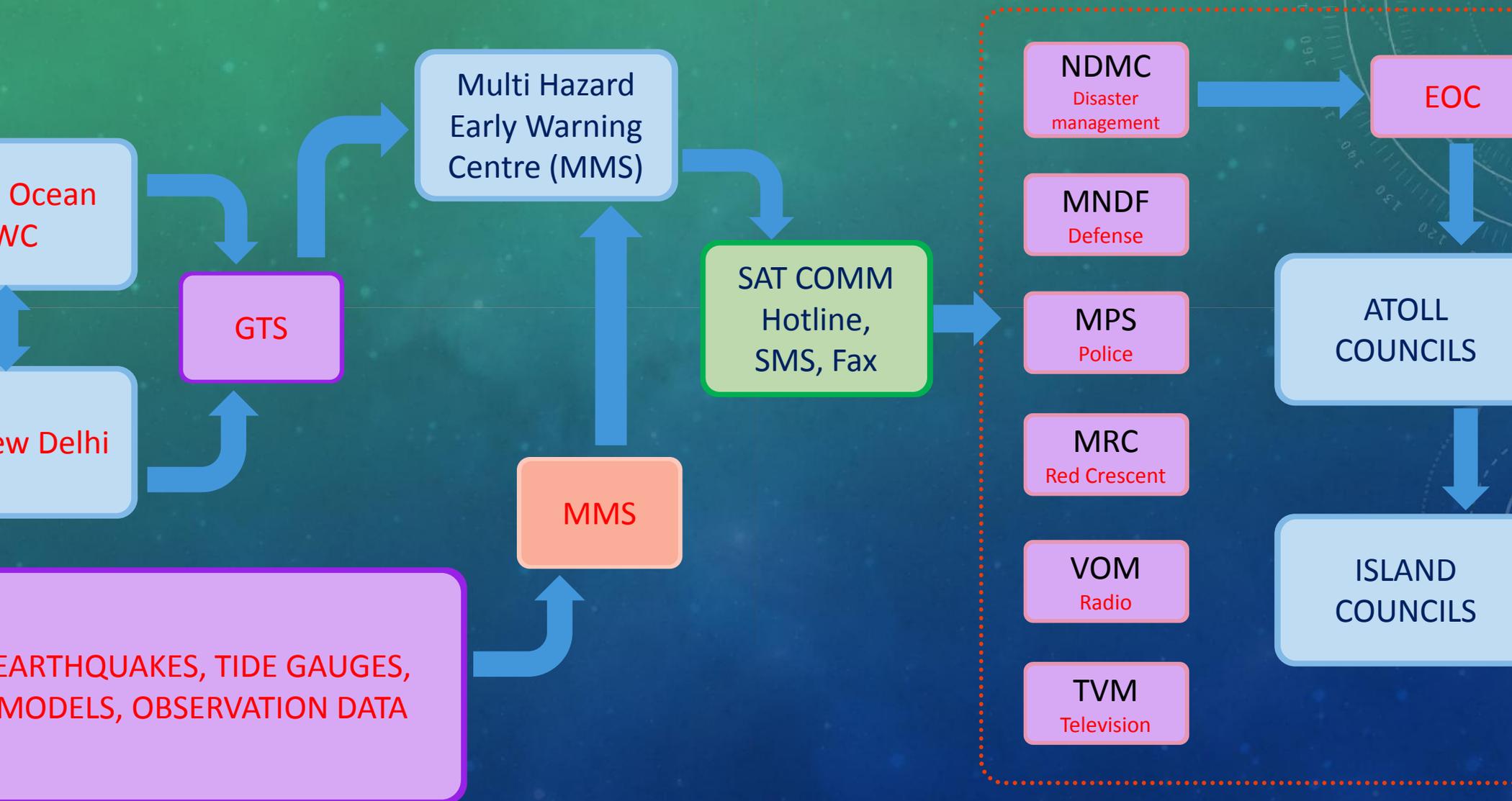
STAGE 3: ALERT LEVEL 3, (WARNING – RED), WARNING BULLETIN

STAGE 3: STEP DOWN, (DOWNGRADE – GREEN), CANCELLATION BULLETIN

ALERTS DISSEMINATION



ALERTS DISSEMINATION FLOW CHART



WARNING DISSEMINATION

5 HOTLINES HAS BEEN ESTABLISHED BETWEEN MALDIVES METEOROLOGICAL SERVICE AND

- NDMC – NATIONAL DISASTER MANAGEMENT CENTRE
- MNDF – MALDIVES NATIONAL DEFENSE FORCE
- MPS – MALDIVES POLICE SERVICE
- VOM – VOICE OF MALDIVES (NATIONAL RADIO)
- TVM – TELEVISION MALDIVES (NATIONAL TELEVISION)

ONCE A NATURAL DISASTER IS PREDICTED, DUTY OFFICERS WILL INFORM TO THE THESE HOTLINES ASAP

REST OF THE AUTHORITIES WILL BE INFORMED VIA FAX, EMAIL AND SMS

SMS FOCAL POINTS ARE DISTRIBUTED ACROSS THE COUNTRY



ALERT WHITE

Issued for

Conditions

Weather

- Mean wind speed 23-29 mph
- Rainfall >50mm in 24 hours
- Thunderstorms
- Tidal/swell waves expected

Tsunami

- Earthquake >7.0 mag in Indian Ocean

Actions to be taken

- This is an information alert
- There is no immediate threat

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ALERT YELLOW

Issued for

Conditions

Weather

- Mean wind speed 30-40 mph
- Torrential rain expected or heavy rain > 2hrs
- Severe thunderstorms expected/experienced
- Tornado
- Significant tidal/swell waves expected/experienced
- Tropical cyclone formed within effective area

Tsunami

- Earthquake >8.0 mag in Indian Ocean
- Earthquake has the potential to generate an ocean wide tsunami in Indian Ocean

Actions to be taken

- Concerned authorities be alert on to take action
- Public be on alert to take action
- Travel by sea is not advisable during a yellow alert for weather

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ALERT RED

Conditions

Weather

- Mean wind speed > 40 mph
- Flash flood is expected
- Storm surge expected or observed
- Destructive tidal/swell waves expected/experienced
- Tropical cyclone is tracked or crossed islands of Maldives

Tsunami

- Earthquake >8.0 mag in Indian Ocean
- Confirmation of an ocean wide tsunami

Actions to be taken

- Concerned authorities be alert on to take action
- Public be on alert to take action
- Travel by sea is not advisable
- Population evacuated from danger zones

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ALERT GREEN

Issued for

Conditions

Weather

Condition of Yellow or Red alert has improved

Tsunami

There is no threat to Maldives or Tsunami has passed Maldives

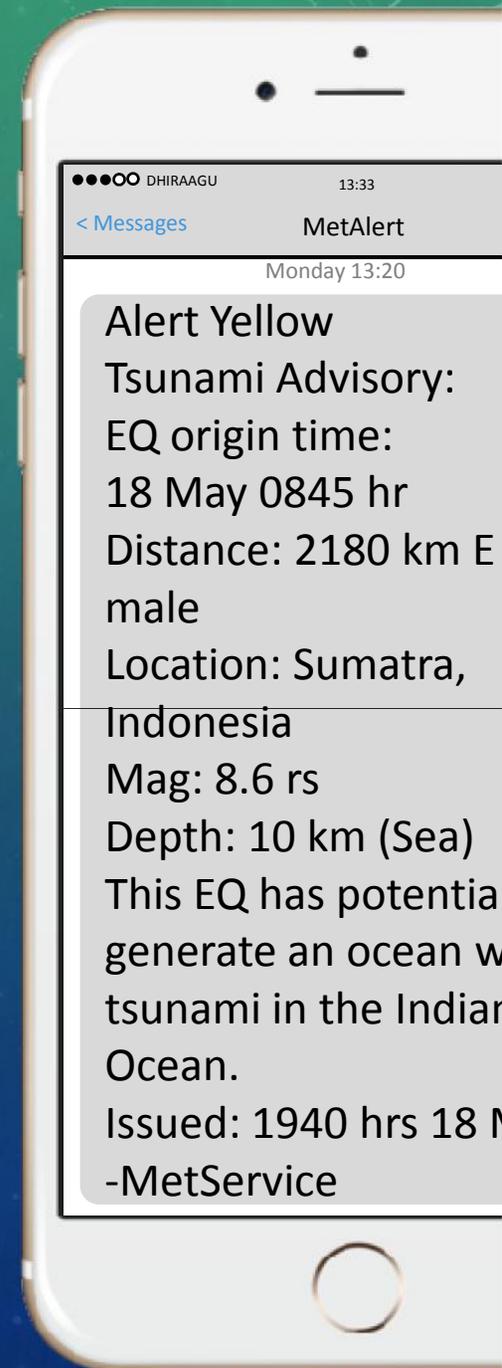
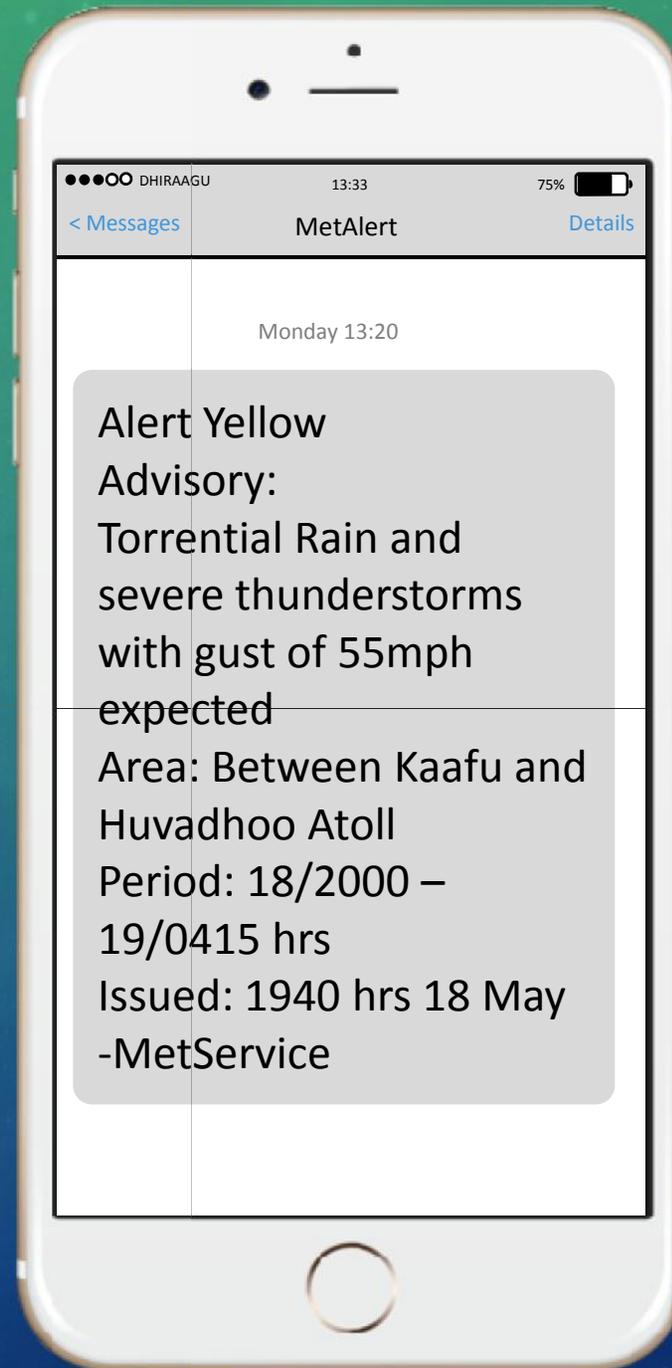
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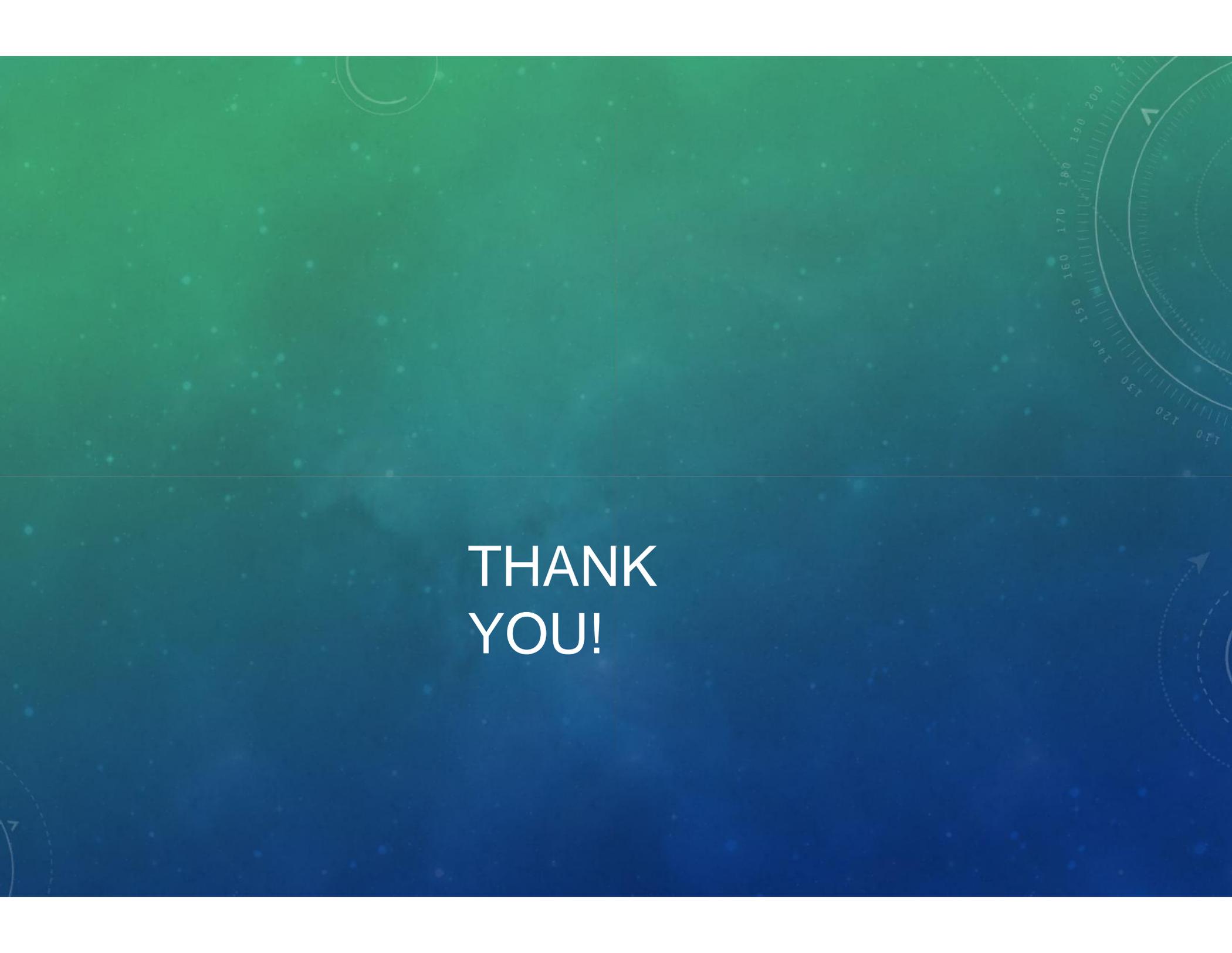
EXAMPLE ALERT MESSAGES

EXAMPLE ALERT MESSAGE ISSUED FOR BOTH
WEATHER AND EARTHQUAKE/Tsunami



TIMELINE OF THE ALERT DISSEMINATION FOR 02 MARCH 2016 SUMATRA EARTHQUAKE



The background features a vertical gradient from light green at the top to dark blue at the bottom. It is decorated with faint, semi-transparent technical drawings, including circular gauges with numerical scales (e.g., 110, 120, 130, 140, 150, 160, 170, 180, 190, 200) and dashed lines. A field of small, light-colored dots is scattered across the entire background, resembling a starry sky or a particle field.

THANK
YOU!