



**12<sup>th</sup> REGIONAL  
STAKEHOLDER FORUM**

29 June 2022, Bangkok, Thailand

# Some Innovative Ideas to Communicate Flood and Drought Info & Warning



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# Flood and Drought in Lower Mekong Basin (LMB)

“The communities that were unprepared are the ones who have suffered the most”

# Key Innovation

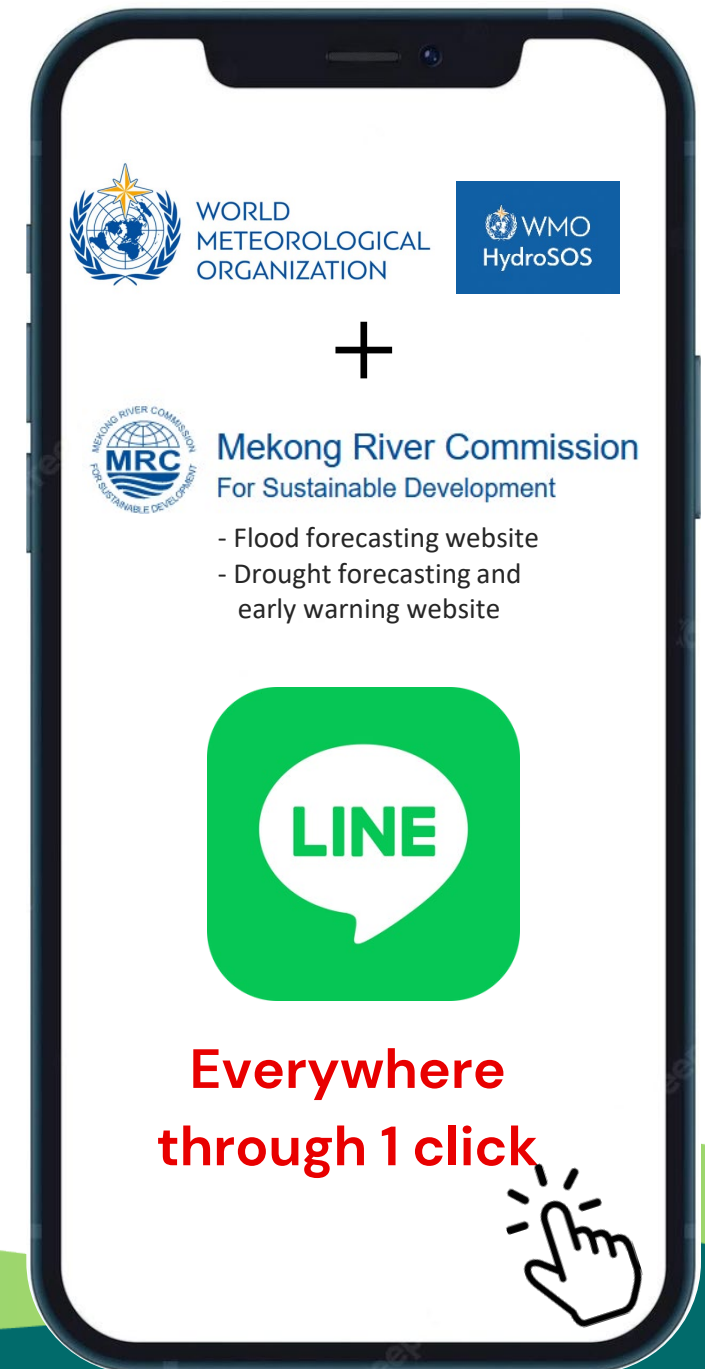
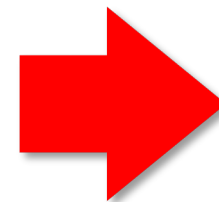
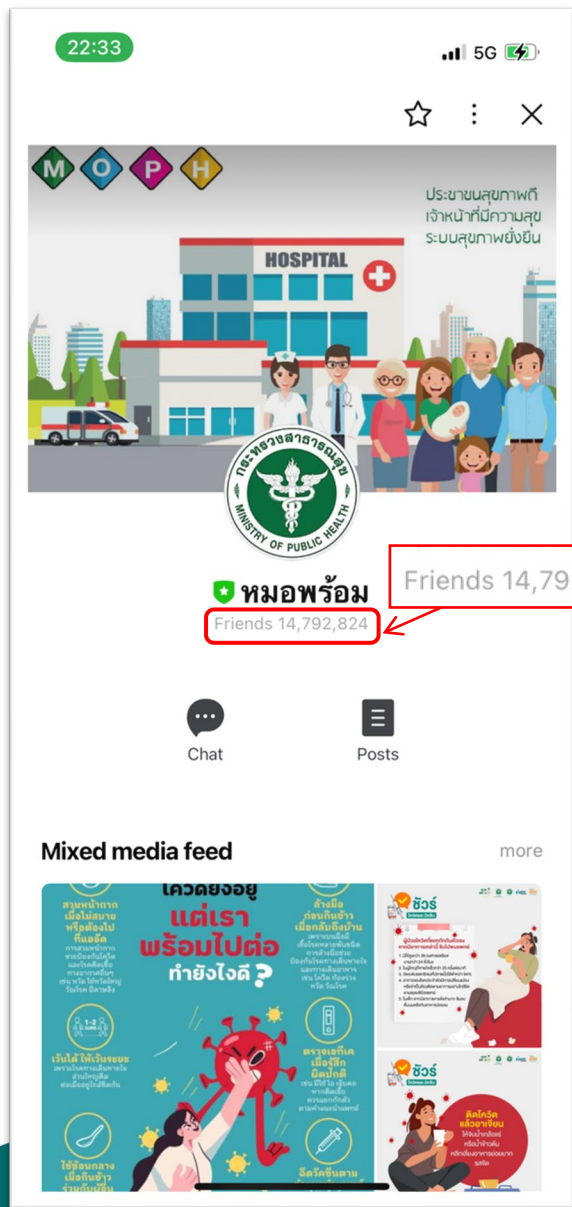
1. Alleviate the stakeholders with easily understood and accessible information via Line application.

2. Simplified informative knowledge from the MRC data and information services, the Mekong flood and drought forecasting, and the World Meteorological Organization.

3. Raise awareness of the information sources by promoting it on popular social media platforms .



# Prototype



# Flood & Drought Forecasting and Early Warning via Line application

## Flood forecasting

Legend:   
🟢 - Normal   
🟡 - Alarm   
🔴 - Flooded   
📍 - N/A

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## Drought forecasting

**Combined Drought Index (CDI)**

- D4 (Exceptional Drought)
- D3 (Extremely Drought)
- D2 (Severely Drought)
- D1 (Moderate Drought)
- D0 (Normal Condition)

Legend:   
Mekong River   
Country Boundary   
Catchment Boundary   
Lower Mekong Basin Boundary

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## Other Information

**Nongkhai**  
Water level on 2022-06-24 at 07:00 AM = 4.47 m  
Minimum level = 0.33 m  
All levels are above zero gauge  
(Zero gauge Nongkhai = 103.648 m above MSL)

**Cross section with actual water level**

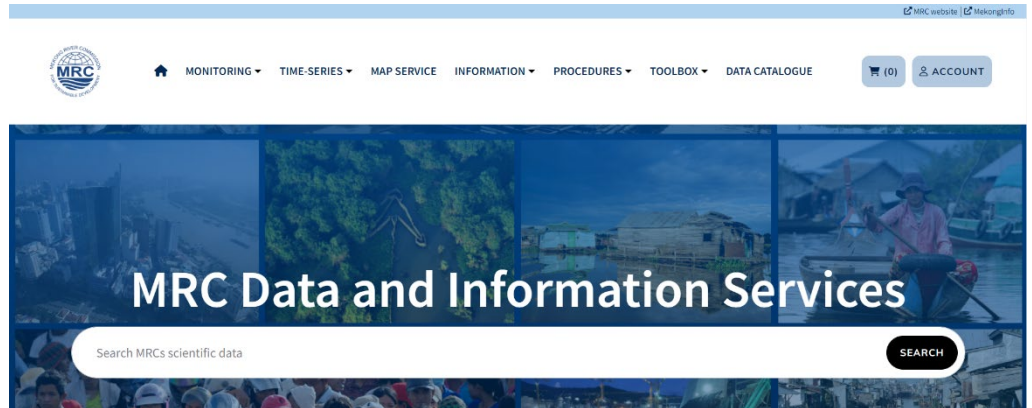
Water level over the last 7 days and 5 days forecast

**Flood forecasting**

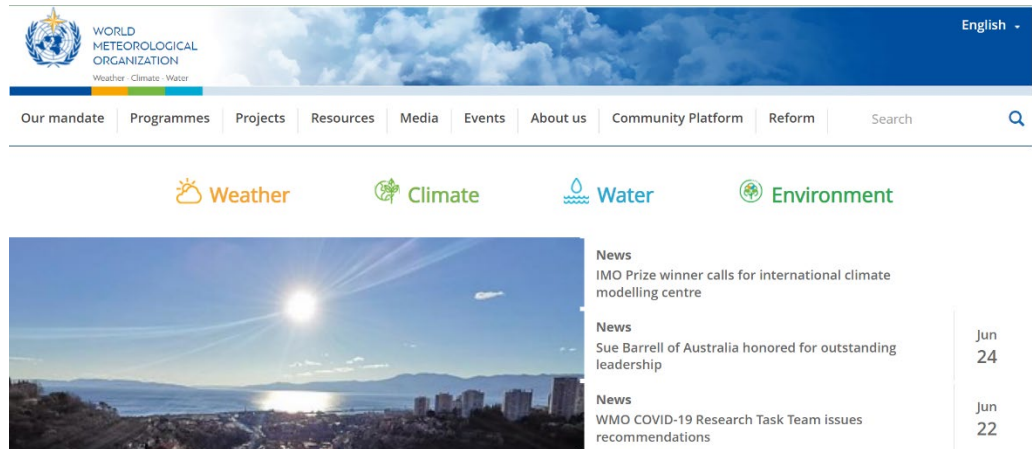
Legend:   
Observe (m)   
Forecast (m)   
Flood Level (m)   
Alarm Level (m)   
Average (m)

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# Simplified information from 2 sources using info graphic



**MRC**

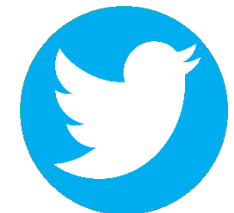
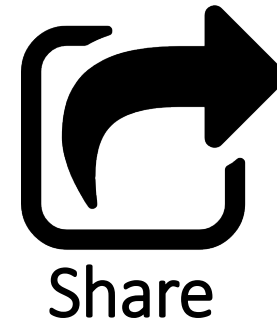
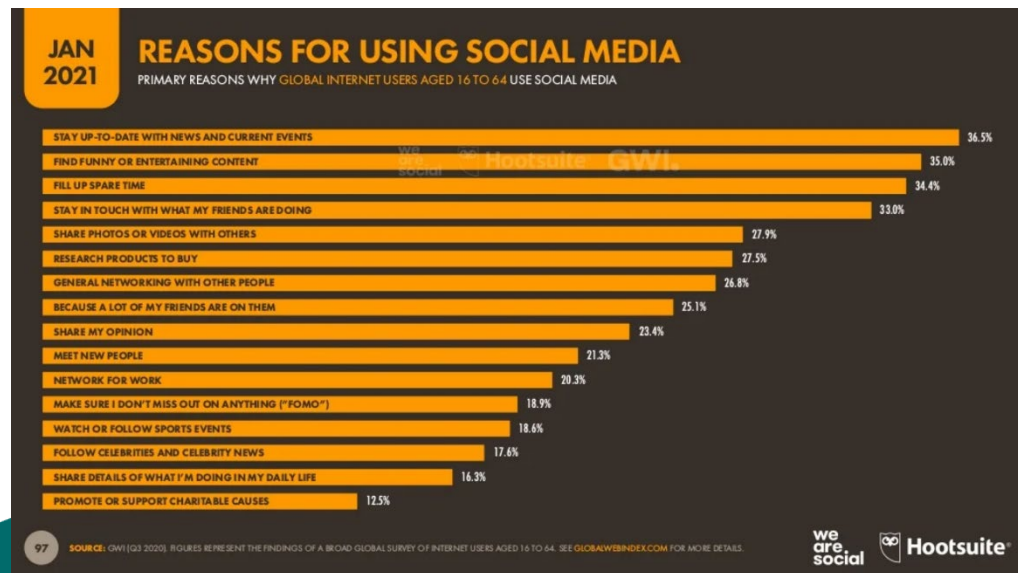
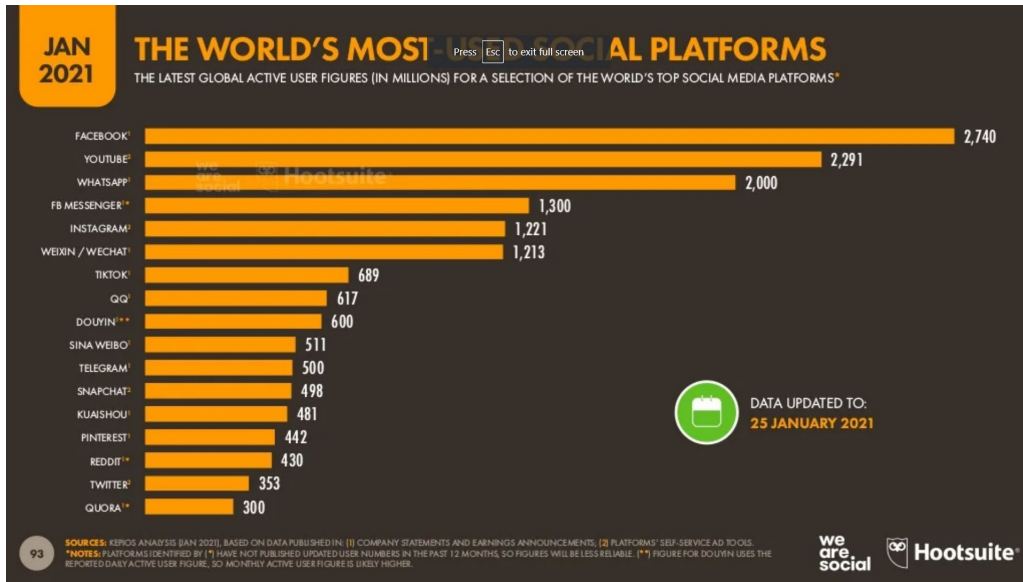


**WMO**

For example:



# Promoting the Application through Social Media Platforms



"The most reason for using social media is to update the news and current events."



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***THANK YOU***