



# **Initial Analysis results of Flood Situation around Bandung using ALOS-2/PALSAR-2**

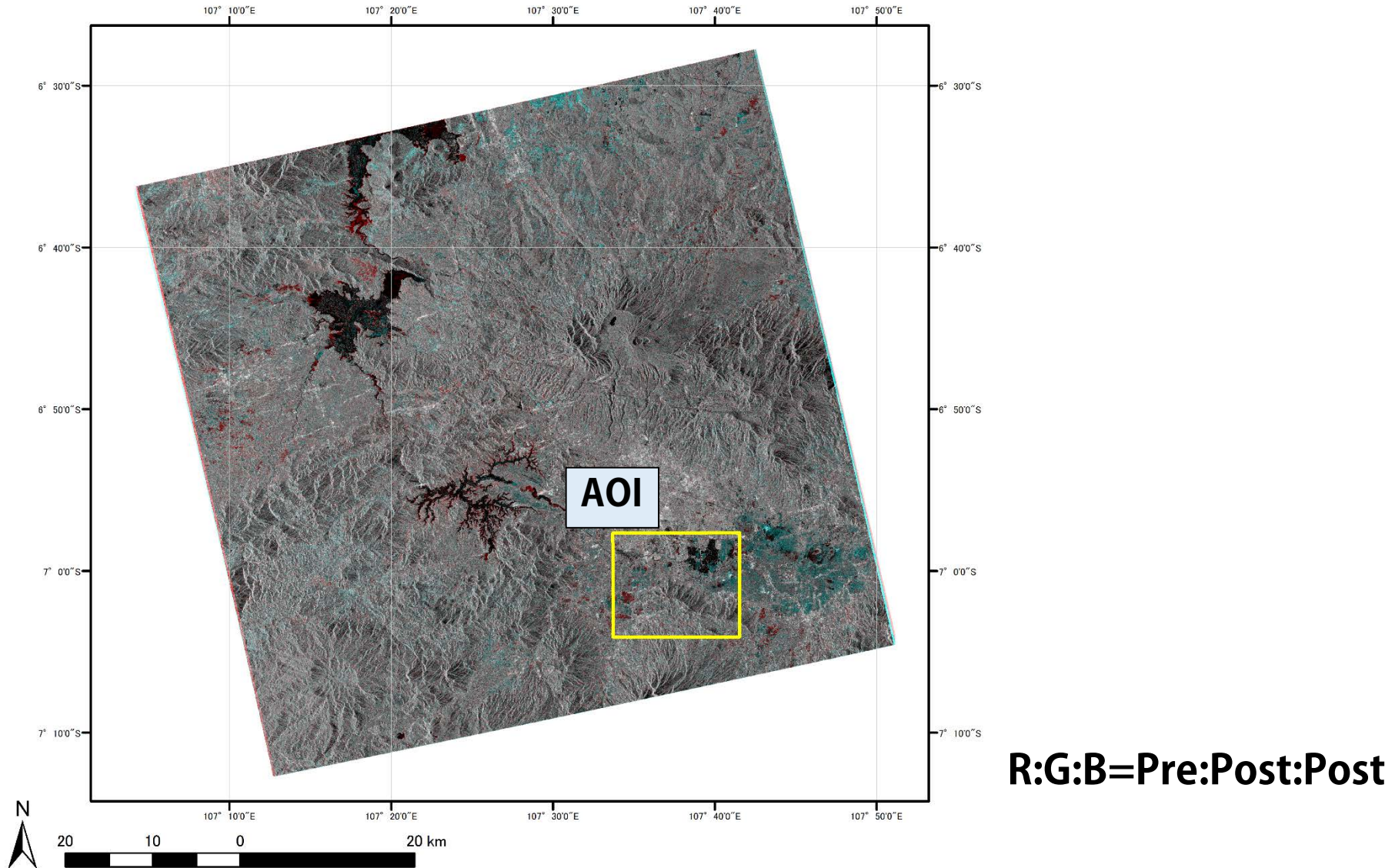
**Japan Aerospace Exploration Agency (JAXA)  
Remote Sensing Technology Center of Japan  
(RESTEC)**

# Introduction

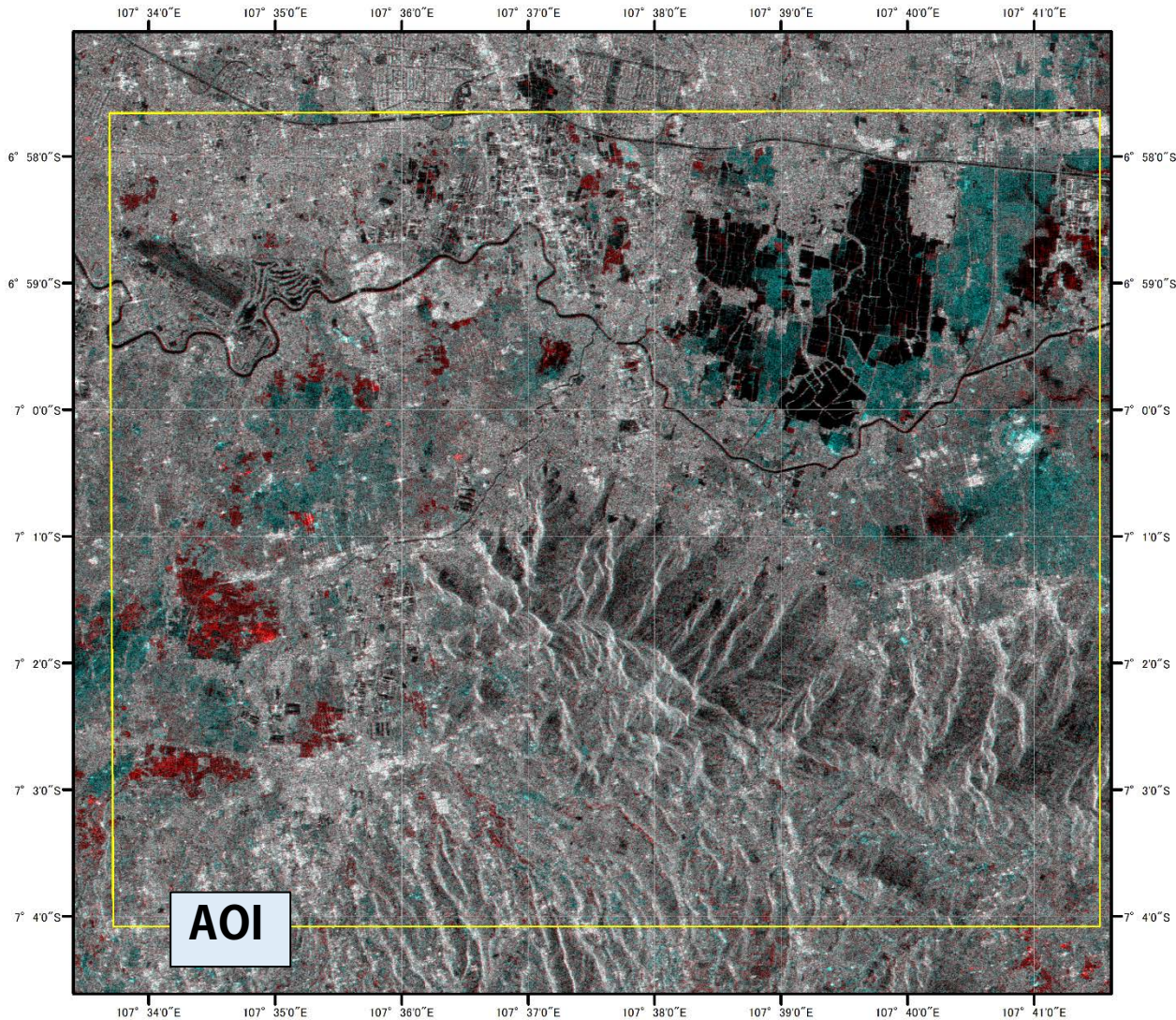
- **Summary of data used in this analysis**




	<i>Obs. date</i>	<i>Mode</i>	<i>Satellite/Sensor</i>	<i>Pol.</i>	<i>Flight Direction</i>	<i>Off-nadir angle</i>	<i>Beam Direction</i>
<b>Pre-disaster</b>	<b>2016/02/03</b>	<b>FBD</b>	<b>ALOS-2 /PALSAR-2</b>	<b>HH +HV</b>	<b>Ascending</b>	<b>28.6</b>	<b>Right</b>
<b>Post-disaster</b>	<b>2016/03/16</b>	<b>FBD</b>	<b>ALOS-2 /PALSAR-2</b>	<b>HH +HV</b>	<b>Ascending</b>	<b>28.6</b>	<b>Right</b>

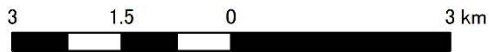
# Full Scene of ALOS-2 (HH polarization) (Color Composited Pre & Post)



# Extend AOI



-  **Flood Area**
-  **Potentially Flood Area (Explain next slide)**
-  **Water Area (in both pre & post)**



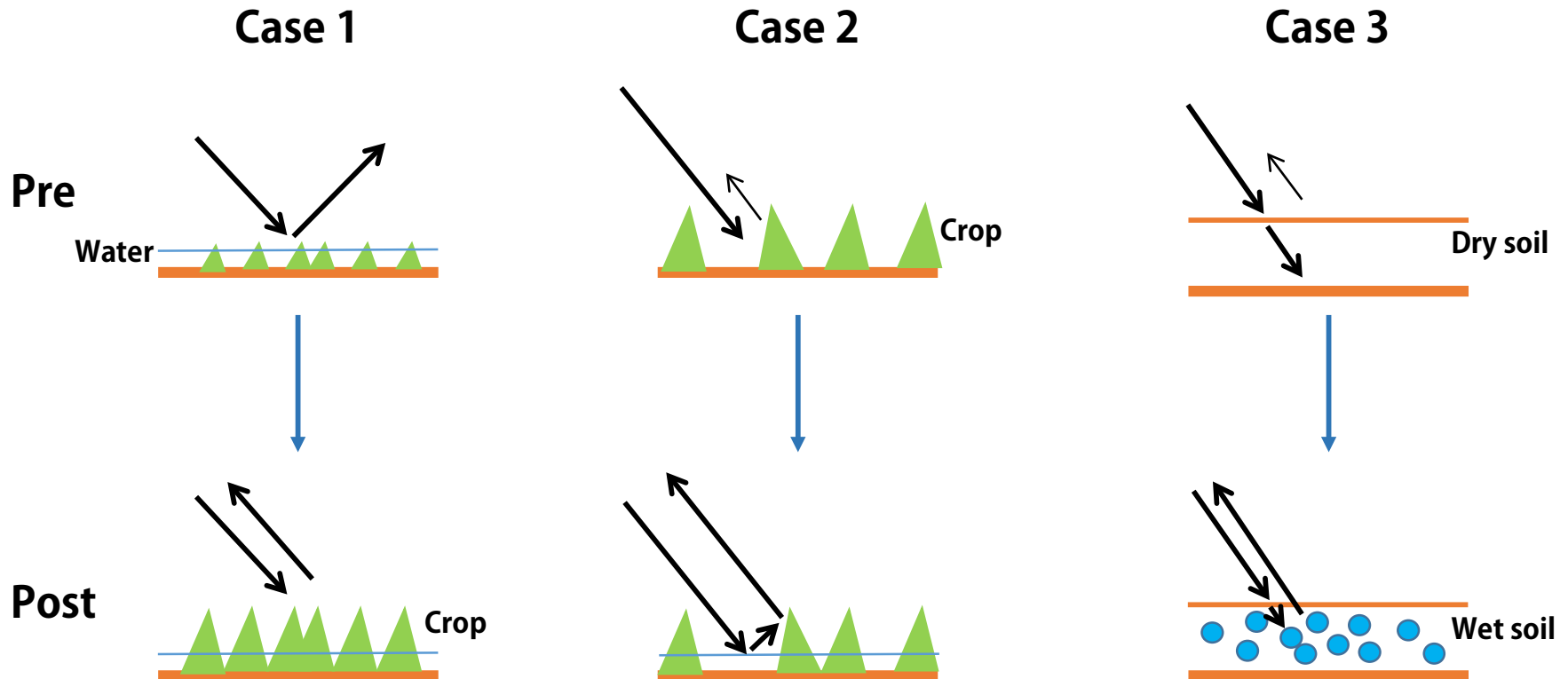
# How interpret blue area?

Case 1. Crop Growth

Case 2. Double Bounds effects

(Relation of water & crop)

Case 3. Change of Soil moisture (be Wet)



# Conclusion

- **Damage area and potentially damage areas detected by ALOS-2 analysis**
- **Blue areas in slide 3 cannot identify what happened only using ALOS-2 (need field survey to identification)**
- **This is a preliminary analysis and has not yet been validated in the field.**