

# **Application of GIS and Remote Sensing Information for Disaster Risk Management in Viet Nam**

**Regional workshop on Geo-referenced Disaster Risk Management System for South-East-East Asia and  
and Pacific  
20-22 February 2013**

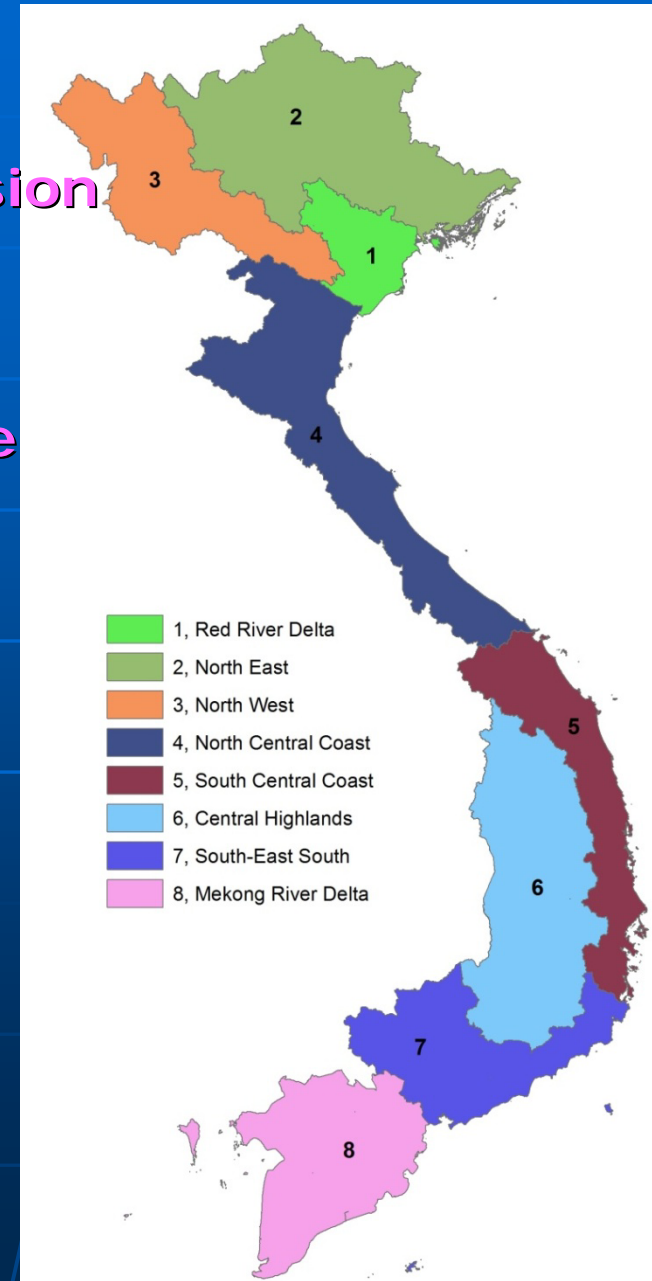
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# The Major Natural Disasters in Vietnam

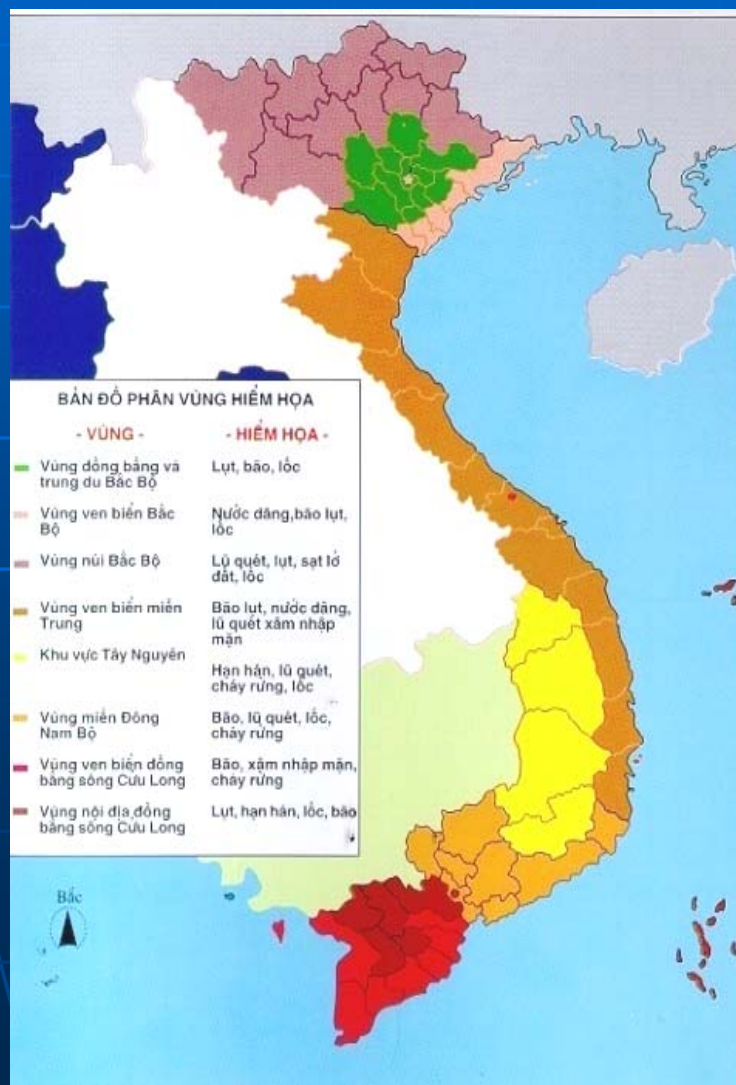
- |                         |                       |
|-------------------------|-----------------------|
| 1. Tropical Storm       | 8. River bank erosion |
| 2. Flood                | 9. Flash Flood        |
| 3. Inundation           | 10. Landslide         |
| 4. Drought              | 11. Storm Surge       |
| 5. Salt water intrusion | 12. Forest Fire       |
| 6. Whirlwind            | 13. Earthquake        |
| 7. Shoreline erosion    |                       |

The main natural disasters in Vietnam are Tropical Storm and Flood which take more than 80% of total damages caused by all kinds of natural disasters.



# The Major Natural Disasters in Vietnam

Storm, flood, flash flood, drought, landslide, forest fire,...



# The Institutional Framework for Disaster Management in Vietnam

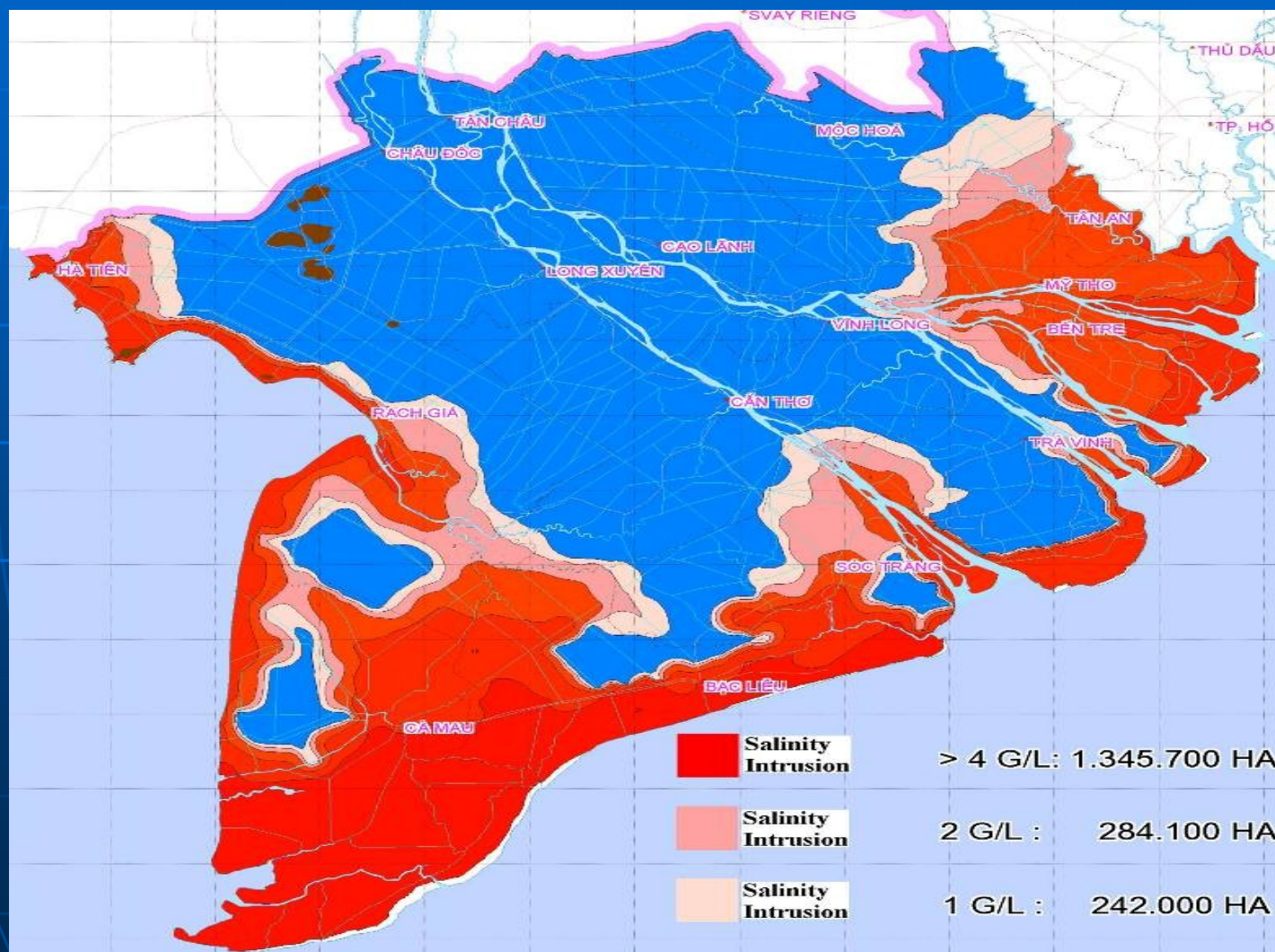


# Current application of GIS for Disaster Risk Management in Vietnam

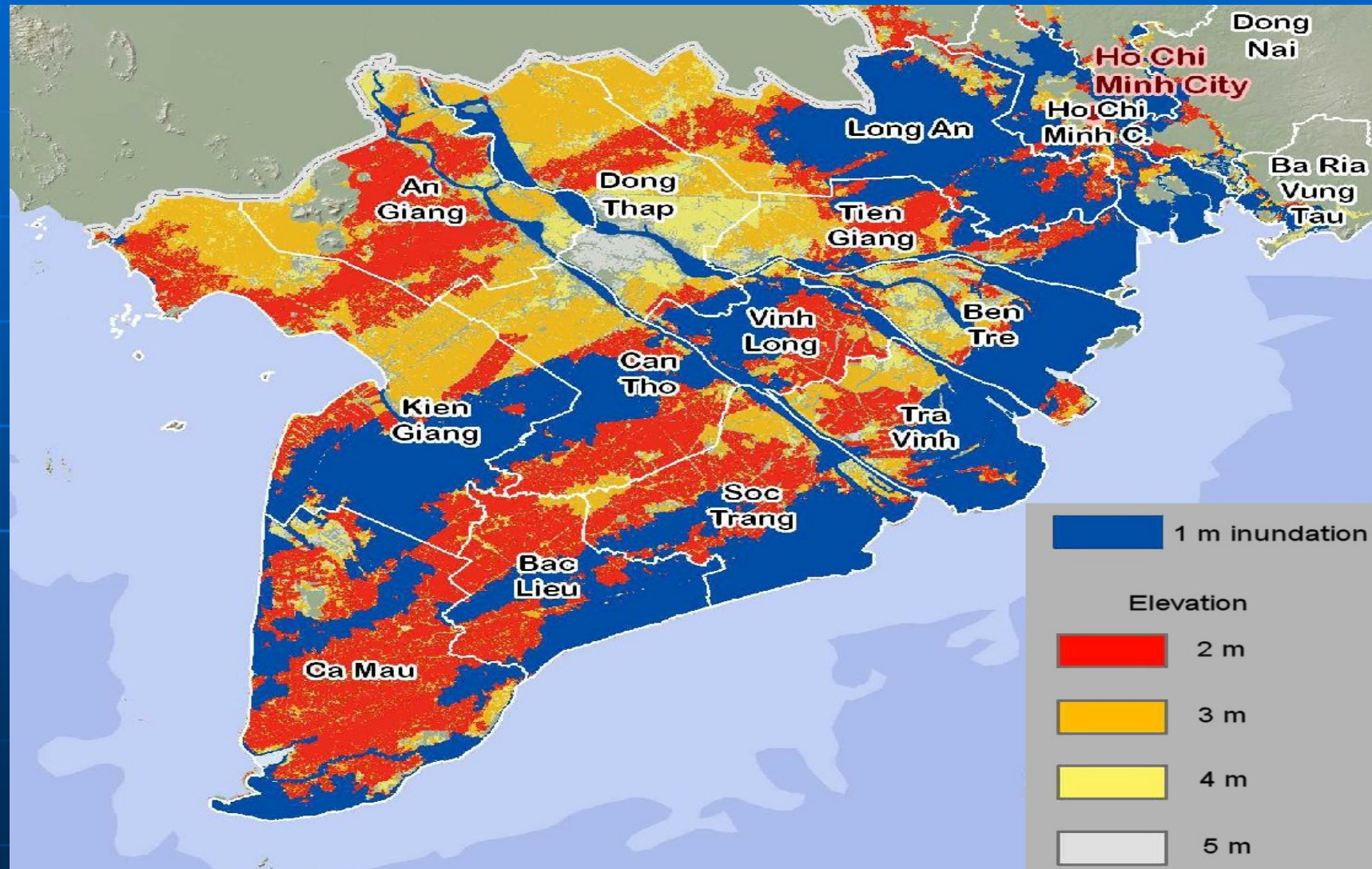
- Hazard mapping for flood, drought, landslides and forest fire.
- Shoreline exposure
- Tropical storm tracking
- Wind field and Rainfall distribution
- Management of Hydro dams
- Management of dyke system in 19 provinces
- Tsunami Response Map
- Developing flood evacuation map in some river basins



# Salinity intrusion Forecast

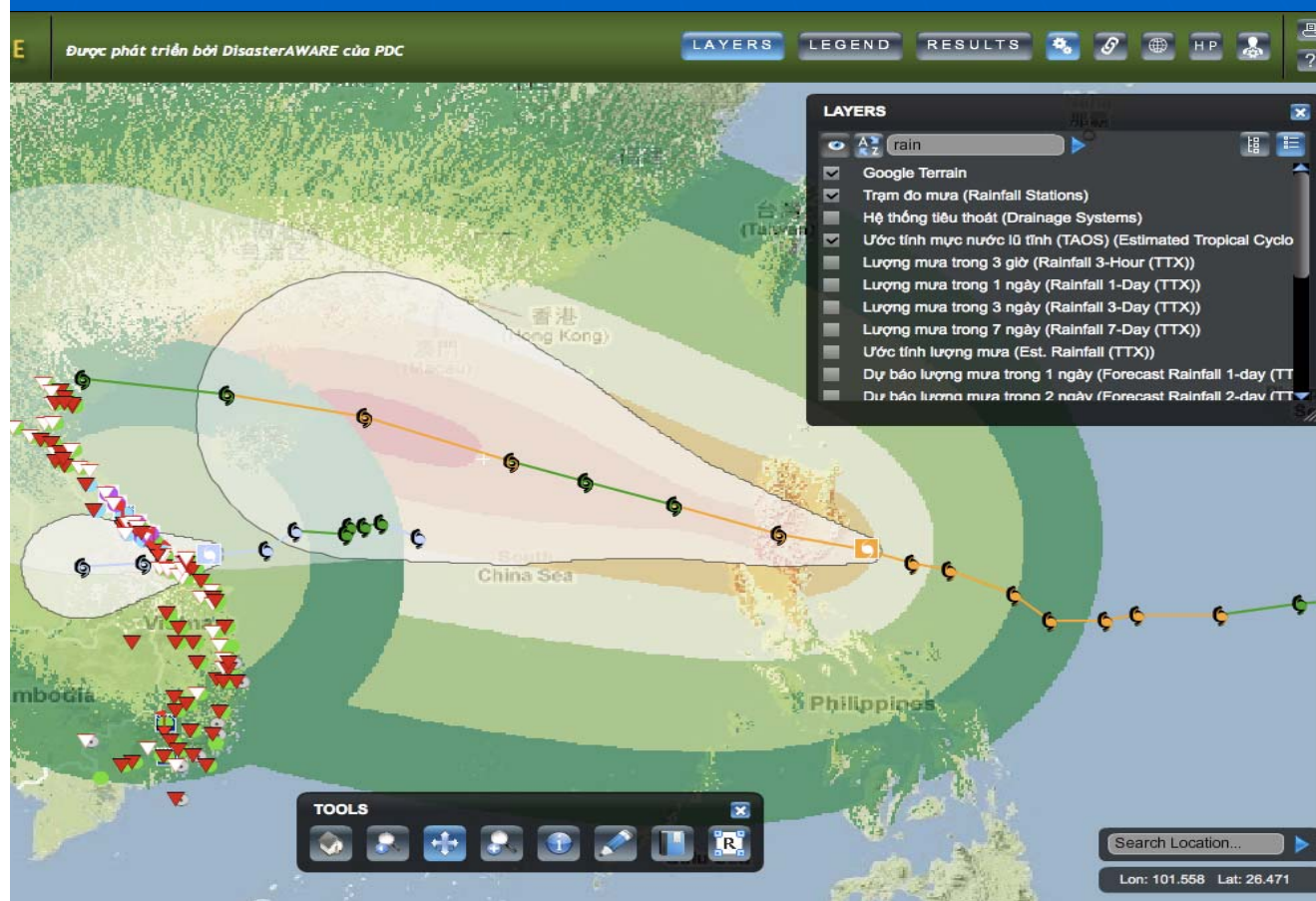


# Inundation





# DisasterAWARE Decision Support System



预览已结束，完整报告链接和二维码如下：

[https://www.yunbaogao.cn/report/index/report?reportId=5\\_7123](https://www.yunbaogao.cn/report/index/report?reportId=5_7123)

