

# **RESEARCH AND DEVELOPMENT FOR REDUCING GEO-HAZARD DAMAGE IN MALAYSIA CAUSED BY LANDSLIDE AND FLOOD**



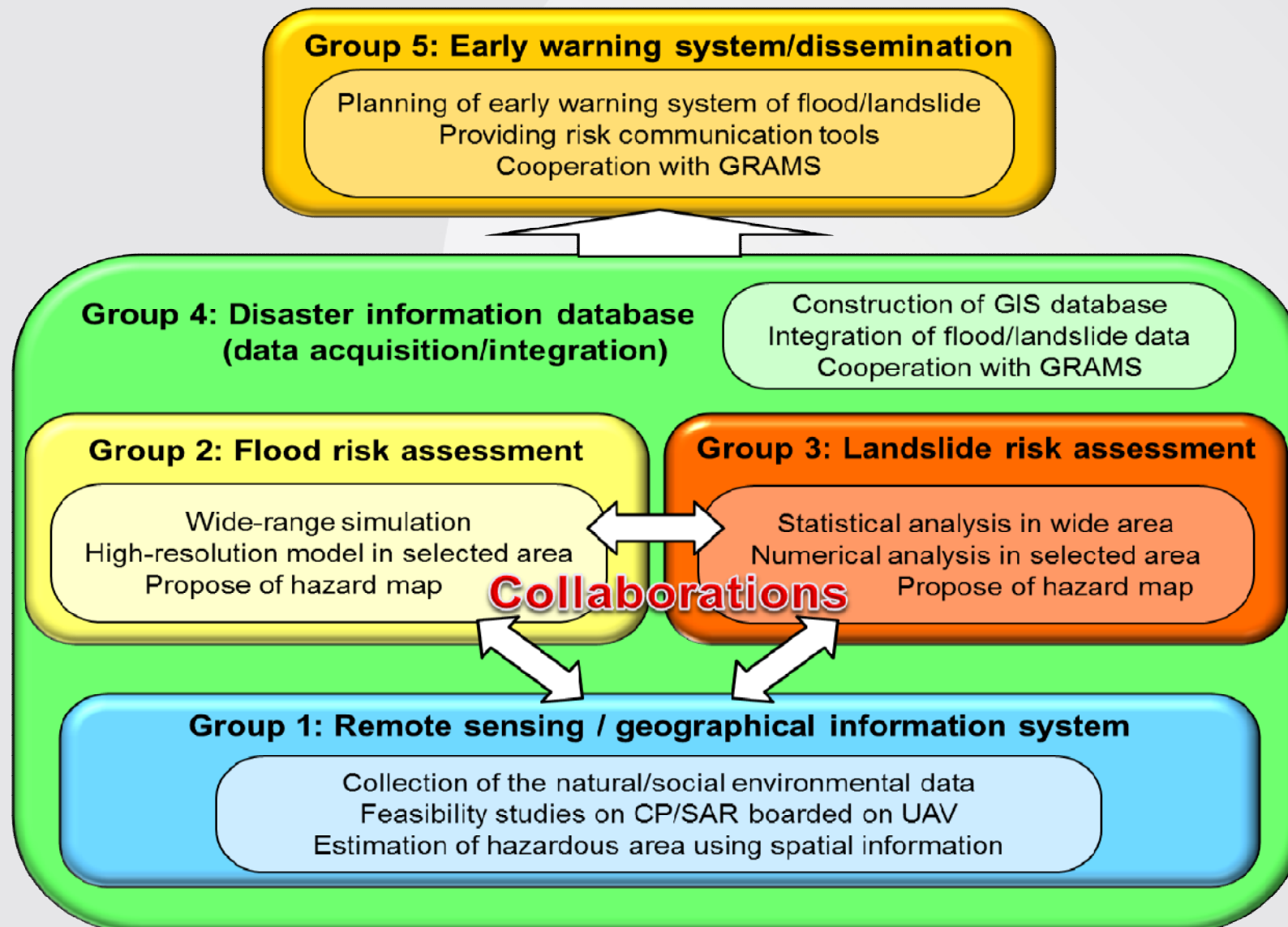
## OBJECTIVES

- To investigate and construct an analysis system for temporal change and real-time condition of surficial environment using RS/GIS technologies.
- To study, construct and verify a comprehensive numerical flood-runoff analytical model in wide range and with high resolution in the Kelantan river basin.
- To study and construct a landslide hazard assessment system/model considering the impact of precipitation condition and urban development in Gerik (East-West Highway)

## OBJECTIVES

- To construct a comprehensive disaster information database including satellite observation data, flood/ landslide hazard data and disaster mitigation information.
- To design a risk management system of flood/landslide disaster considering the effective utilization of risk information between local government and community.
- To produce landslide and flood hazard map using remote sensing and GIS techniques for Malaysia

# RESEARCH FRAMEWORK



# COLLABORATION MODEL

