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Flood risk evaluation in Thua Thien Hue, Viet Nam

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Thua Thien Hue is one of the coastal provinces in the central part of Vietnam which has the tropical monsoon climate and it is often affected by tropical cyclones. High rainfall intensity in rainy season and steep gradient of terrain are the two main reasons that make floods a serious natural disaster in Thua Thien Hue. The modern management of spatial data related to river flooding largely relies on the functional facilities supplied by the Geographic Information System (GIS) info-layers, combined with Earth Observation (EO) data-derived information, Digital Elevation Models (DEM) is important information for flood management and development planning for this province.