



THE THIRD GENERAL MEETING OF NARBO

Community-based Flood Early Warning System in Brantas River Basin



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Description of Brantas River Basin

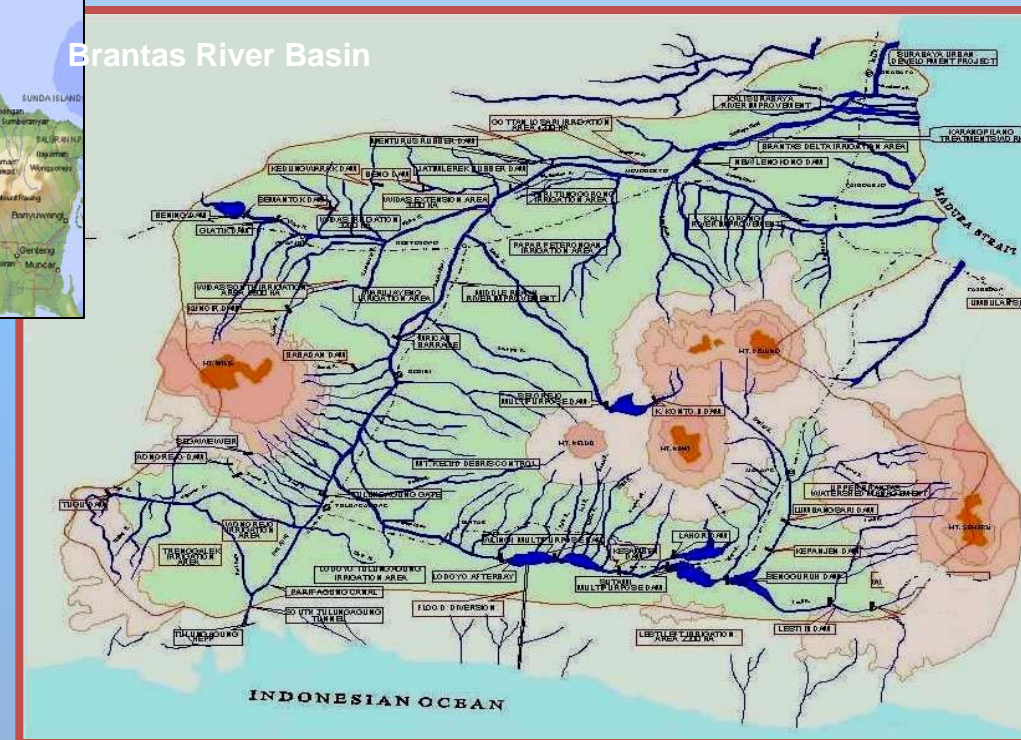


East Java



Brantas River Basin

Brantas River Basin



- Basin Area : 11,800 km² (25% of E. Java)
- Population (2003) : 15.5 million (43% of E. Java)
- Average Rainfall : 2,000 mm/year
- Water Potentials : 12 billion m³/year
- River Length : 320 km

- Active volcanoes: Mt. Kelud & Mt. Semeru
- Land Use (2004) :

- paddy field	39.0%
- dry land	12.0%
- plantation	22.0%
- forest	11.0%
- settlements	12.0%
- others	4.0%

Background

- Floods frequency and magnitude in the Brantas River Basin increase due to excessive rainfall.
- Most of the tributaries aren't covered by the Flood Forecasting and Warning System (FFWS) facilities installed in 1990.



