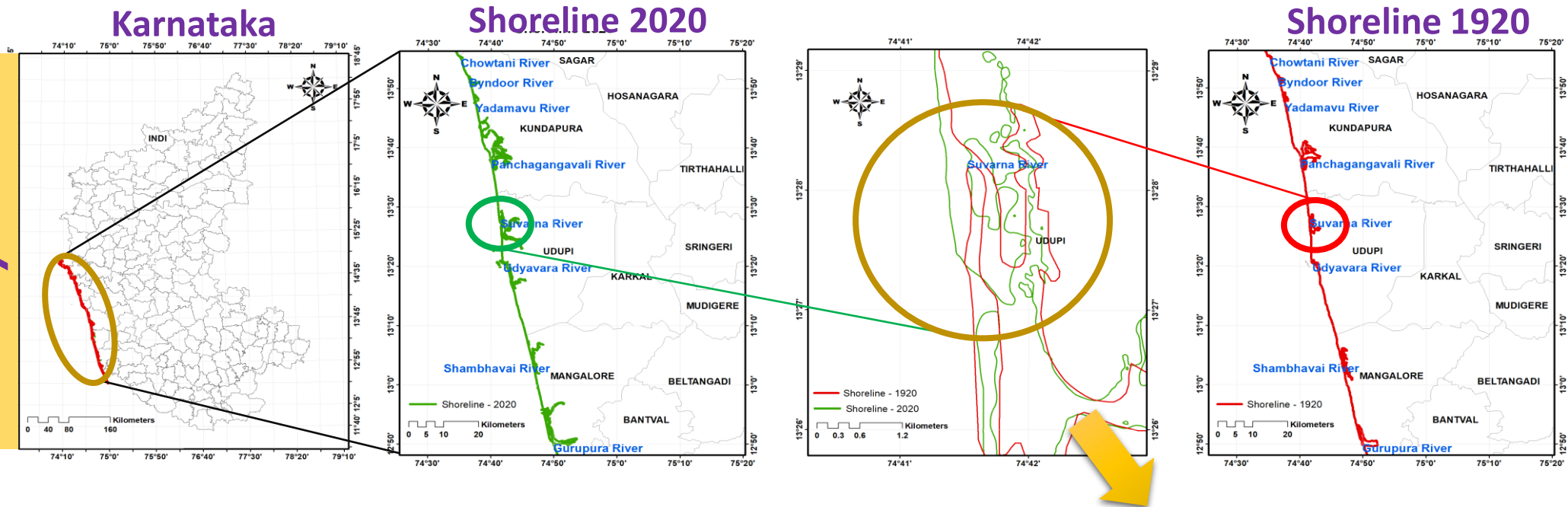


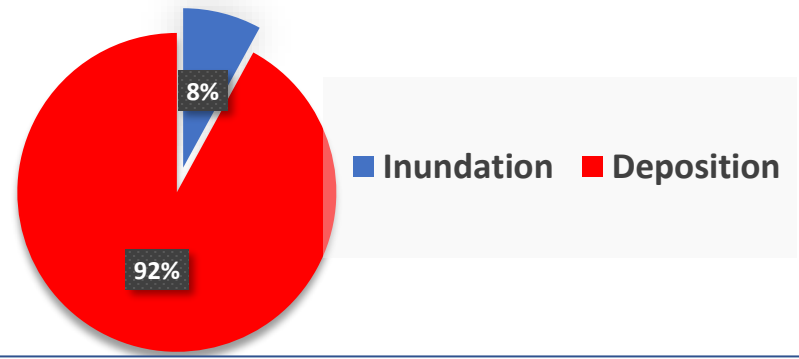
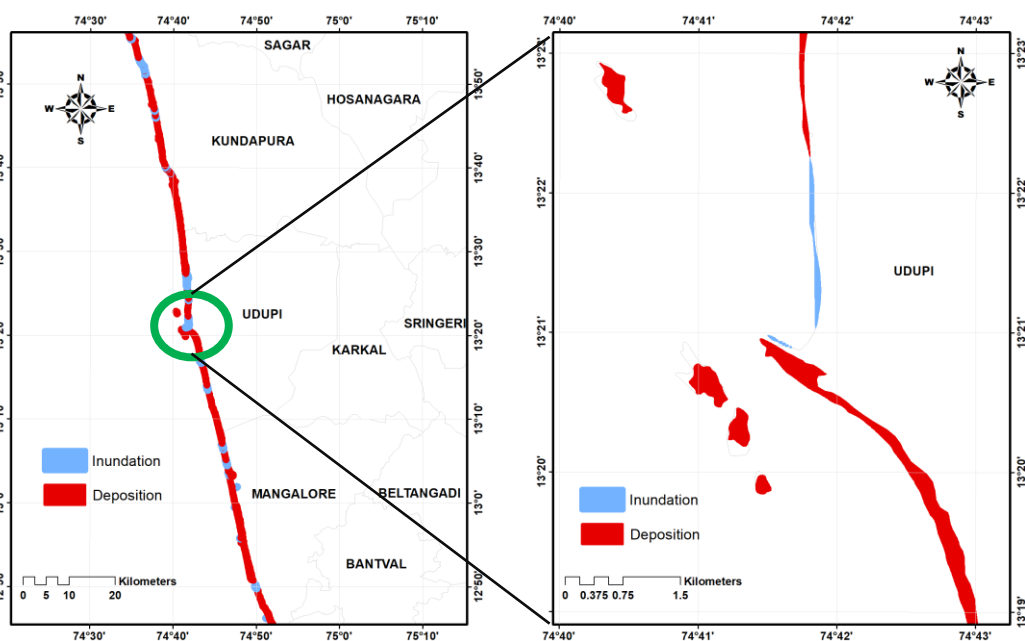
# Coastal Karnataka Shoreline Dynamics



Study Area



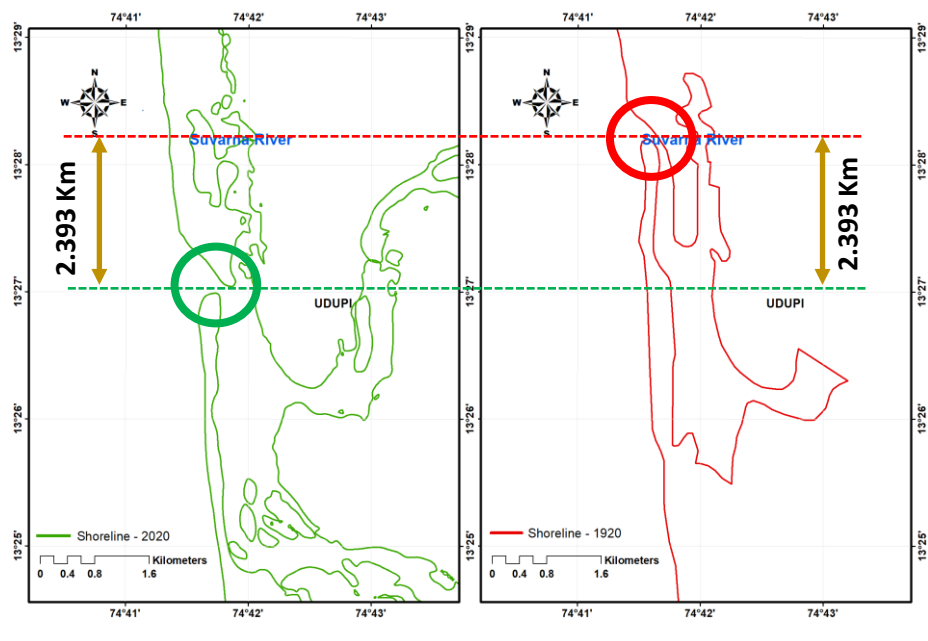
## Inundation and Deposition



## Map description

Karnataka Coast, coastal lowlands of western Karnataka state, southwestern India. Constituting an area of roughly 4,000 square miles (10,000 square kilometers), it is bounded to the north by the Konkan, to the east by the Western Ghats, to the south by the Kerala Plains and to the west by the Arabian Sea. Coastal regions are complex transition areas between land and sea. Their insecurity is growing as a result of human interference in natural systems. In this map it focuses on the evaluation of coastal vulnerability along coastal part of the Karnataka. Various data sets like thematic maps, toposheets and satellite remote sensing data have been used to identify the shoreline dynamics. The shoreline of 1920 was generated using historical toposheet and IRS P6 LISS4 data has been used to generate the shoreline of 2020. The scenario of Inundation and Deposition also mapped. Both shorelines are compared, drastic changes are identified over river estuarine regions. More erosions observed at the north part of the coast and deposition is observed at the southern part of the coast.

## Estuary Shifting



## Team Details

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Topic	: Shoreline Change Detection
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