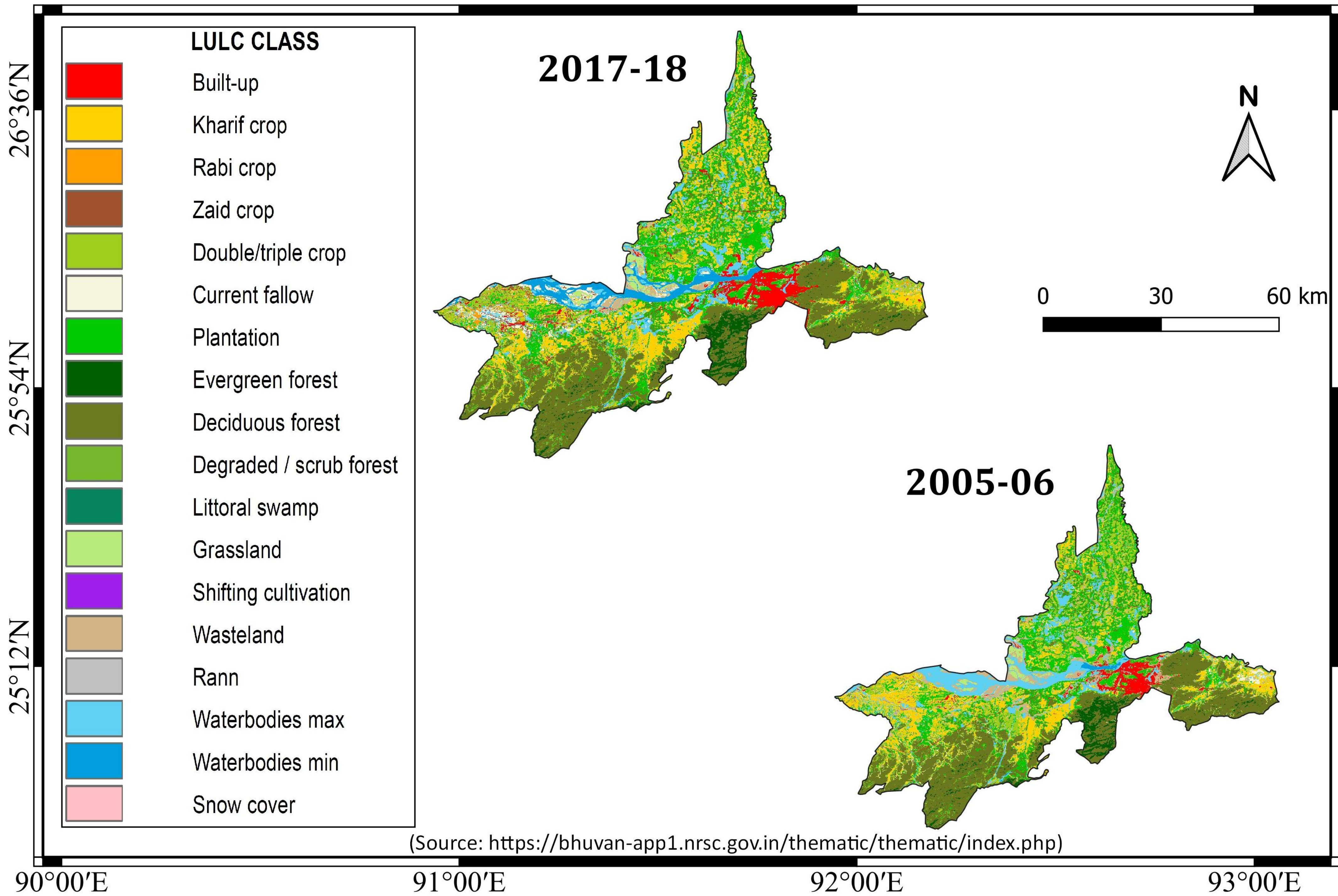


Title: Land Use/Land Cover of Kamrup District, Assam (2005-06 & 2017-18)

Map description and analysis



Introduction

The Kamrup district spreads over both the banks of the mighty Brahmaputra River and is an important district of Assam state. According to 2001 census, the Kamrup district had a population of 2,522,324 persons with urban population of 908,217 persons. The capital city of Assam, Guwahati, plays a dominant role in influencing and determining the urban landscape of the district. Simultaneously, the rural landscape has also undergone considerable changes during the period of analysis. Noteworthy, in 2003, the erstwhile Kamrup district was bifurcated to Kamrup Rural and Kamrup Metropolitan districts. The present analysis has considered the erstwhile Kamrup district boundary as the area of interest.

Land Use/ Land Cover (LULC)

Land use land cover change (LULCC), is, probably, one of the most common and immediate product of landscape changes. *Land cover* is referred to the (bio) physical cover observed on the earth’s surface while *land use* is characterized by the concomitant result produced from the human actions on a particular land cover.

Land Use/ Land Cover (LULC) Classes

As many as 18 LULC classes have been identified in the Kamrup district. The LULC maps were generated for two time frames: 2005-06 and 2017-18 expanding over a period of 12 years. A simple visual interpretation of the maps reveal that the Built-up class display striking growth particularly in the Guwahati city area and the sub-urban towns towards the western periphery of the Kamrup district. Major visual changes can also be observed in the forest and agriculture classes, while the presence of snow cover is negligible.



Team Name: mapathon0533

Topic: Land Use/Land Cover Map

Team member: Chandra & Krishna

Organization: Pragjyotish College, Guwahati, Assam

Contact/email: chandra@pragjyotishcollege.ac.in