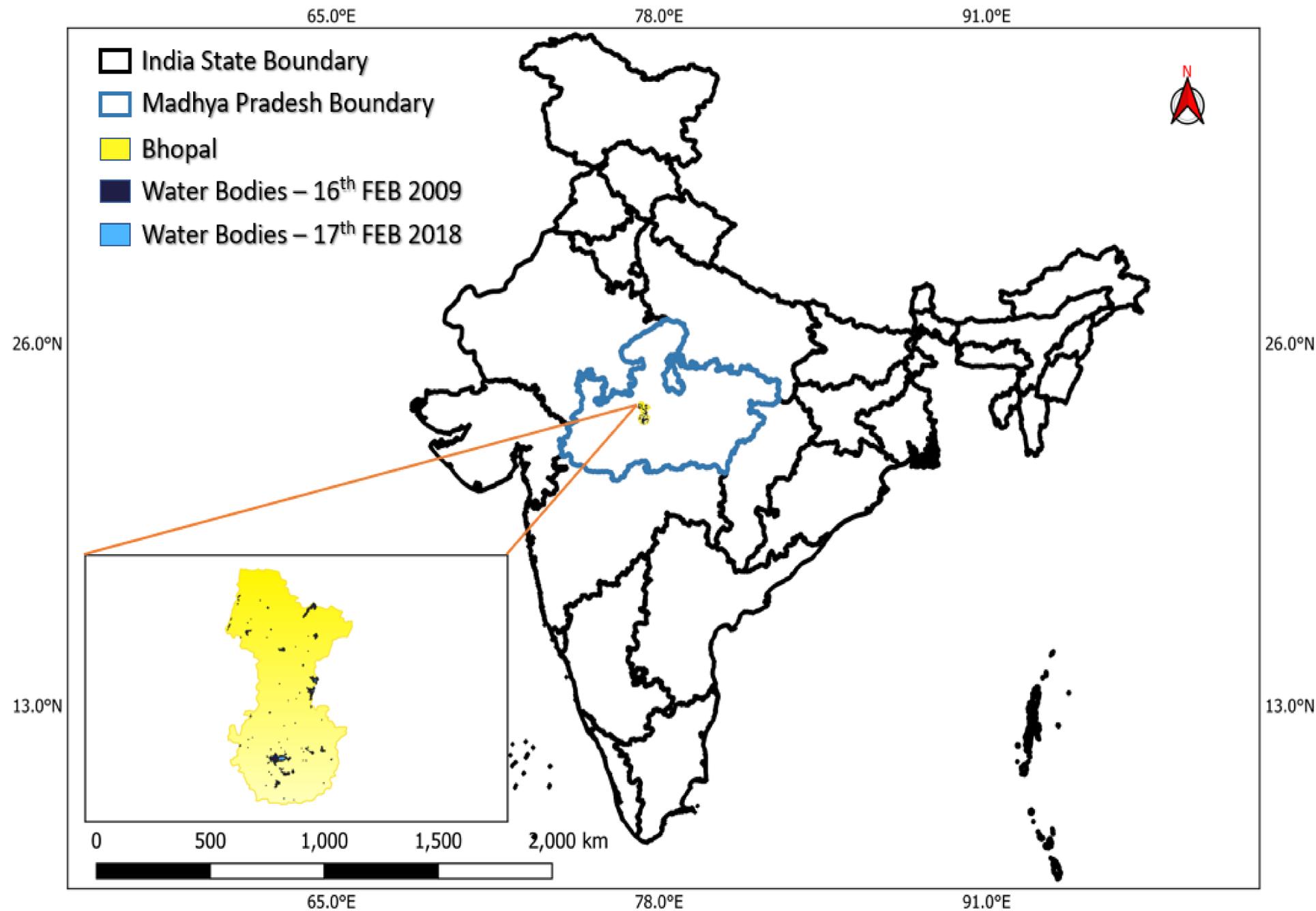


Title: Change detection in Water Bodies of Bhopal, Madhya Pradesh

Map description and analysis



Introduction:

- Bhopal is the capital city of the Indian state of Madhya Pradesh and the administrative headquarters of both Bhopal district and Bhopal division.
- Bhopal is known as the city of lakes for its various artificial and natural lakes.
- Bhopal is located at the coordinates: 23° 15' N 77° 25' E.
- Area: 648.24 km sq.
- Elevation: 527 m (1,729 ft)
- Precipitation: 1,123.1 mm (44.22 in)

Team Name: KAVERI

Topic: Change detection Map

Team member/lead: Nandini Sachan

Institution: Vellore Institute of Technology, Chennai

Contact/email: nandini.sachan12@gmail.com

Title: Change detection in water bodies of Bhopal, Madhya Pradesh

Map description and analysis

Introduction:

Bhopal, capital of the Indian State of Madhya Pradesh is known as the city of lakes. It has seven lakes situated at seven different locations.

Major water bodies:

- Halali Dam
Location: 23.49° N, 77.51° E
Capacity: 227 million m cubes
Surface area: 2528 ha
Normal elevation: 458 m
- Hathaikheda Dam
Location: 23° 16' N, 77°29' E
Capacity: 15.21 million m cubes
Surface area: 243 ha
Normal elevation: 200 m
- Upper lake
Location: 23.25° N, 77.34° E
Capacity: 23.2 million m cubes
Surface area: 3100 ha
Normal elevation: 512 m

Percentage change in area of water bodies: + 203.27 %

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