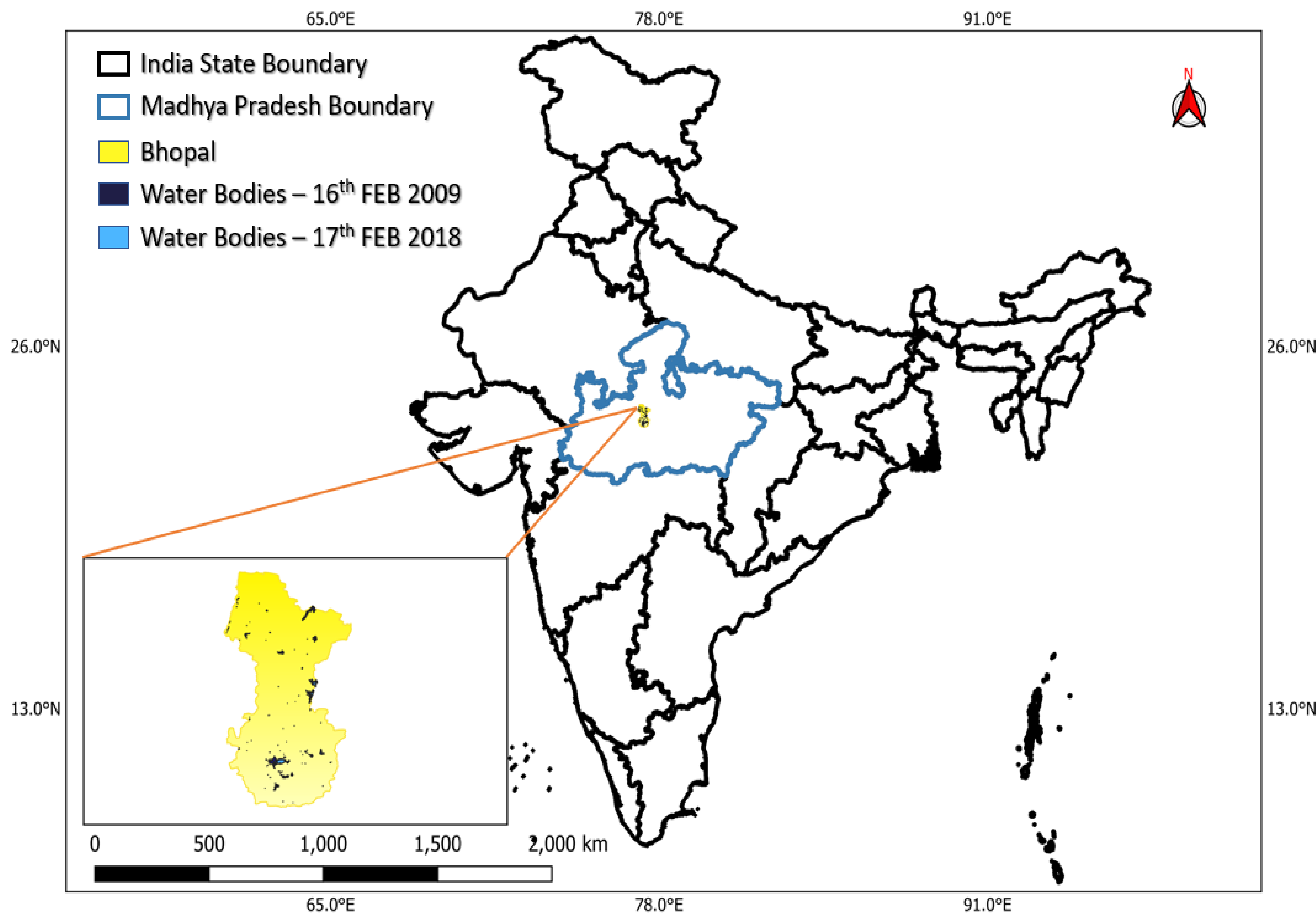


# Title: Change detection in Water Bodies of Bhopal, Madhya Pradesh

# 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

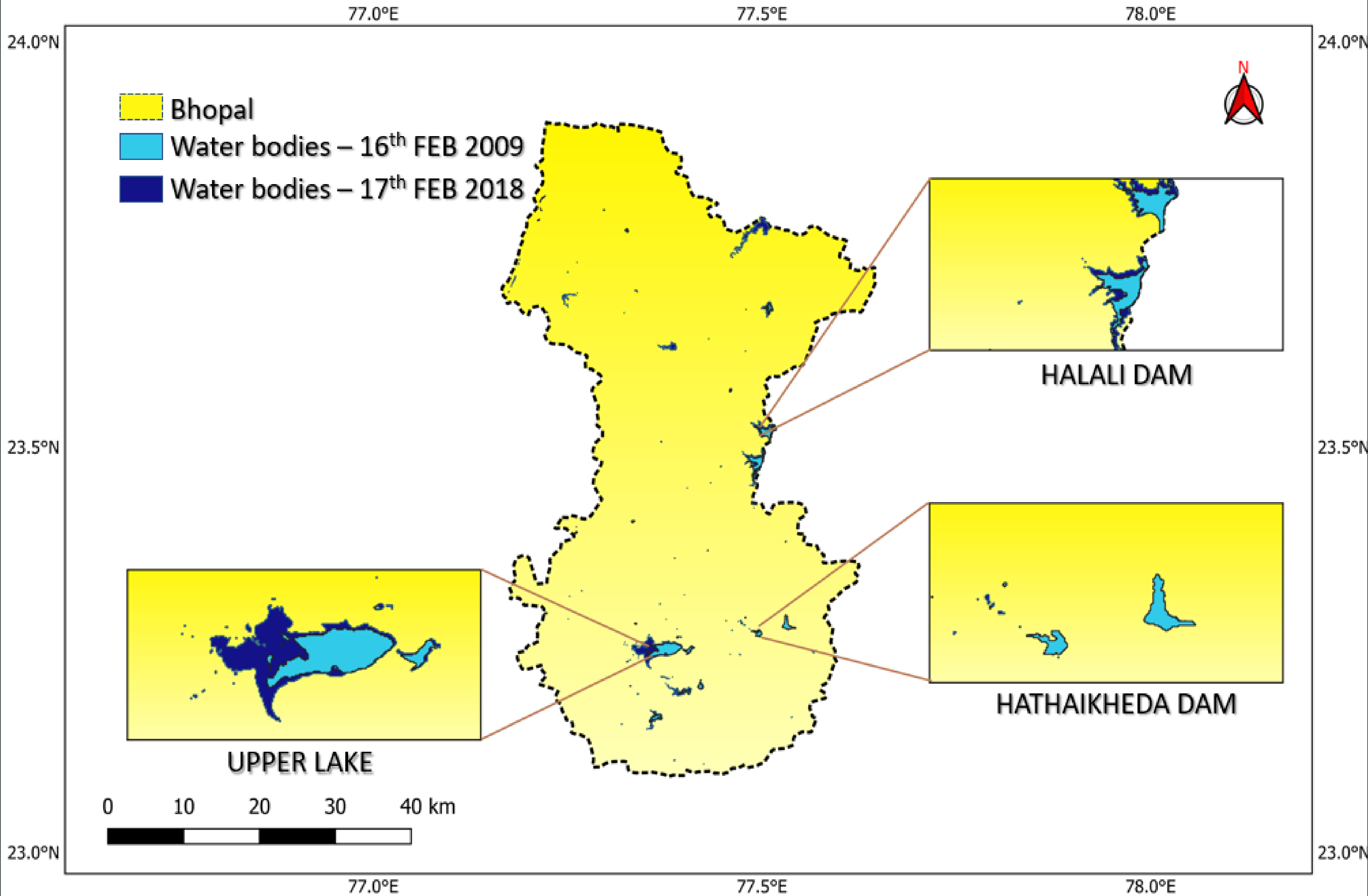
**Team member/lead:** Nandini Sachan

**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 %**

	<b>Team Name:</b> KAVERI
	<b>Topic:</b> Change detection Map
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