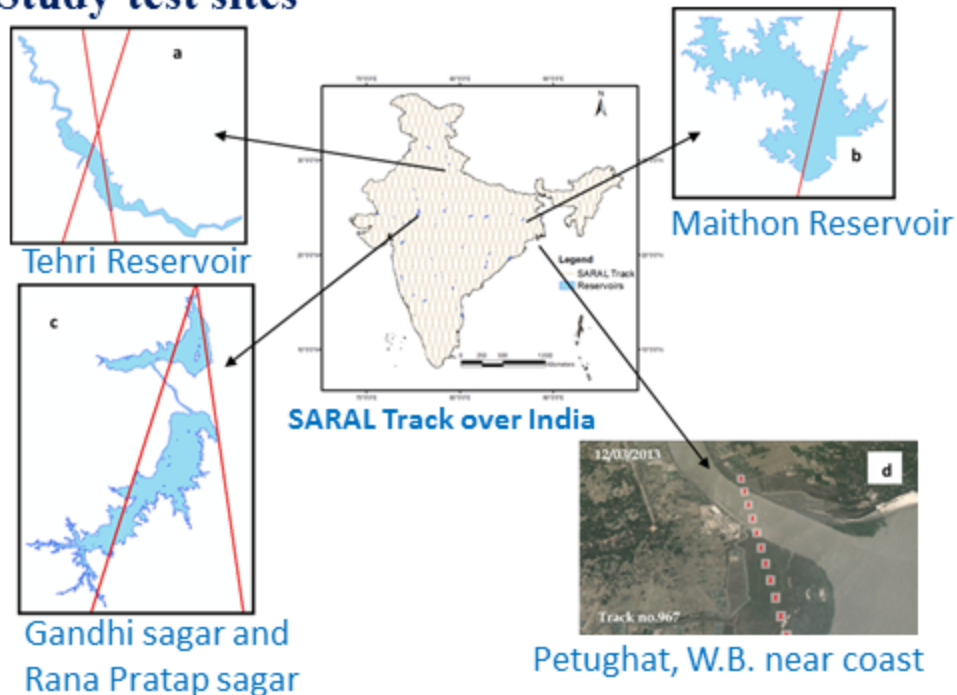


SARAL-ALTIKA Science and Utilization Project (2012-2015)

- Altika data used to retrieve Water Level (WL) of major reservoirs (Tehri, Ranapratap Sagar, and Maithon) and Rivers (Ganges and Mahanadi) for water year 2013-14
- IIRS has Developed Altika waveform classification and re-tracking tool in python to process large datasets and derive WL of major water bodies of India, including major Indian reservoirs
- The Altika is also used to derive WL in wide rivers such as Ganga, Mahanadi and Brahmaputra etc.
- The derived WL is used as boundary condition to simulate flood flows in these rivers

Study test sites



Field Instrumentation



DWLR at Petughat, W.B.
Installed in 2013, reinstalled in 2014 with telemetry, damaged in 2015 monsoon Heavy rainfall and floods



DWLR at Maithon dam
Installed in March 2015,

Overall approach

