

CyanoHABs spatio-temporal maps using Sentinel-3 for an inland waterbody in India

Study Area:

- US Inland Fresh Waterbodies across variate climate zones

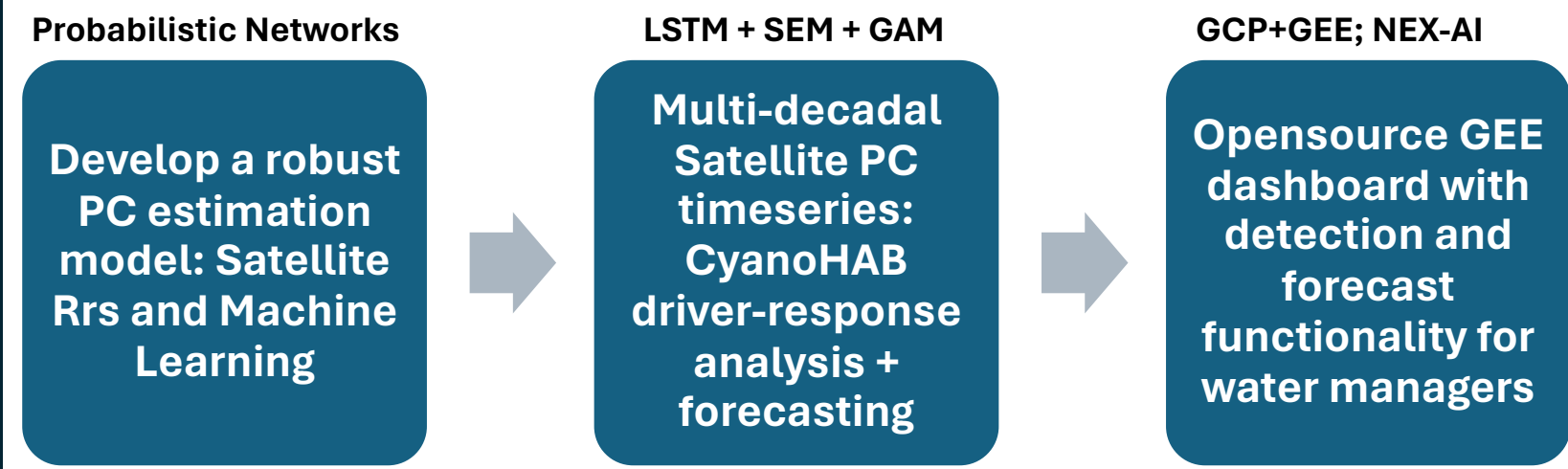
Data:

1634 Rrs with collocated PC + Chl-a

- Type: Rrs, pigments, toxins, IOPs
- Field – in-situ from collaborators
- Field – EPA CyAN, Lake Erie
- PACE; Sentinel-3; Landsat-8/9

Glimpse of Cyano-Dashboard:

- All you need: browser and internet connection

Why Phycocyanin (PC) over Cyanobacterial Cell Density (CCD)?

→ PC correlates directly with Microcystin toxin. (Francy et al., 2021)