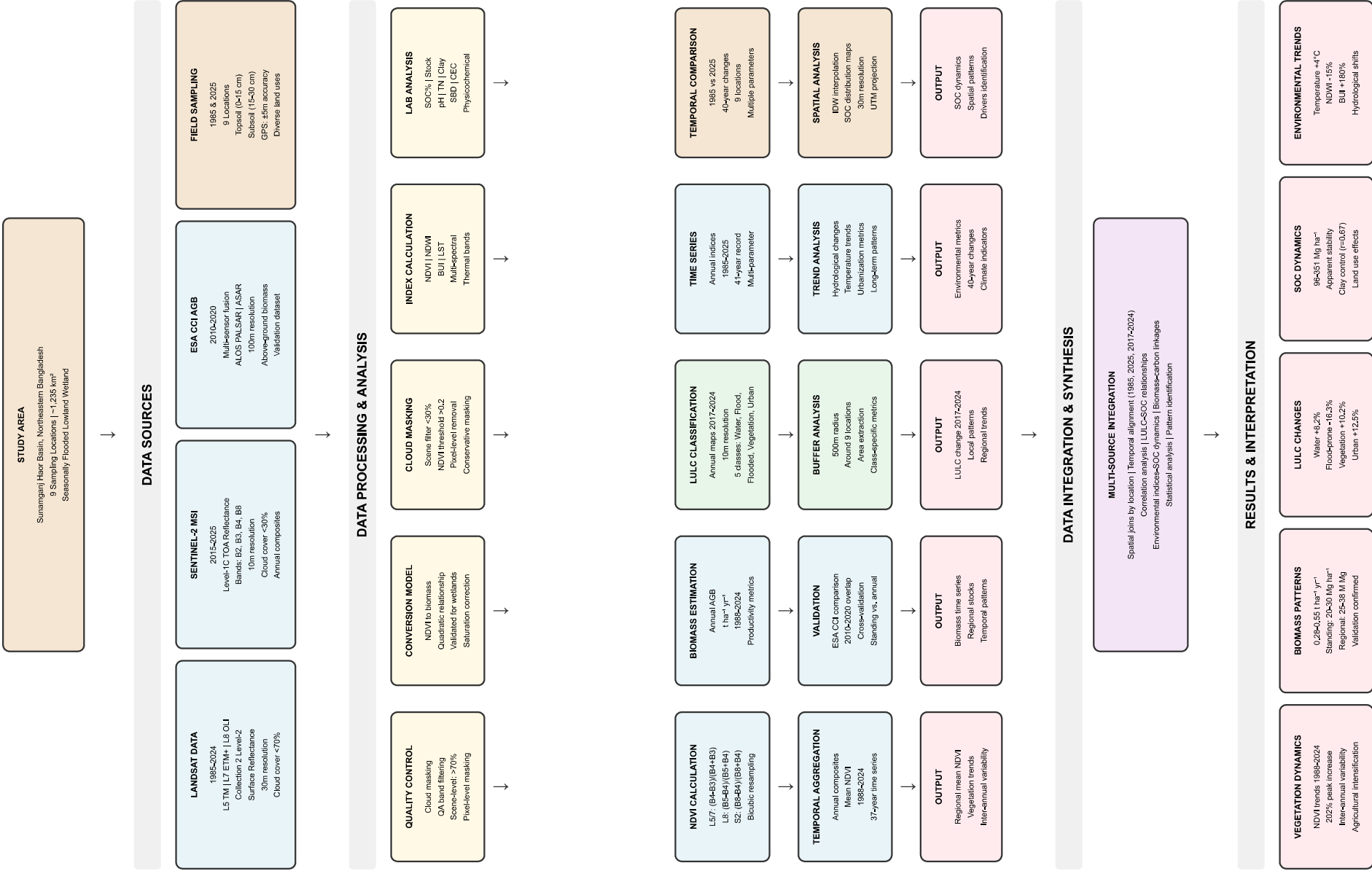


DETAILED METHODOLOGICAL FLOWCHART

Soil Organic Carbon Dynamics in Sunanganj Haor Wetlands (1985-2025)





DISCUSSION & IMPLICATIONS

Equilibrium carbon dynamics | Compensatory mechanisms  
Hydrological regime changes | Temperature sensitivity  
Agricultural intensification impacts | Clay stabilization role  
Management recommendations | Conservation priorities



CONCLUSIONS

Multidecadal SOC stability amid environmental change  
Threatened by reduced flooding and warming  
High carbon stocks warrant protection (25-38 M Mg regional)  
Integrated management approach needed for climate mitigation

- Remote Sensing Data
- Field Data
- LU/LC Analysis
- Processing Steps
- Integration/Synthesis
- Outputs/Results