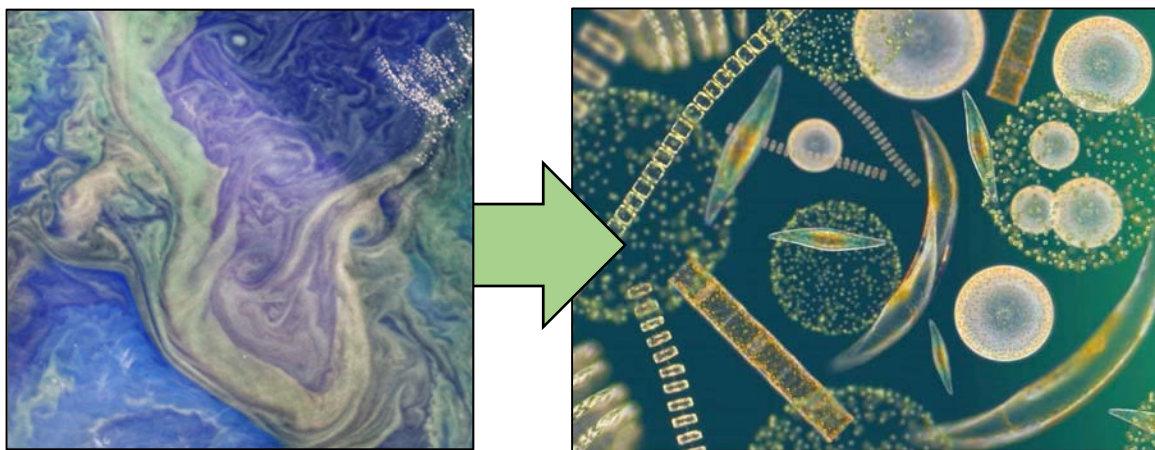


First steps – Linking remotely-detectable optical signals, photic layer plankton properties, and export flux

SCIENCE GOALS

- Evaluate 'skill' improvement in EXPORT assessment with increasing knowledge of surface ocean plankton communities
- Evaluate optical pathways to desired knowledge to assess remote sensing approaches



TEAM MEMBERS

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First steps – Linking remotely-detectable optical signals, photic layer plankton properties, and export flux

LOGISTICS

- Process Ship
- Flow-through, Rosette, Trace Metal Clean, Rates Incubations, Optics Cast, UVP on CTD, Rail mounted optics
- Multiple methods for primary biological properties

MEASURED PARAMETERS

- Phytoplankton Biomass
- POC
- NPP
- Division rates
- Plankton community composition
- Particle size distribution
- Inherent optical properties
- Apparent optical properties

