



Pioneer Relocation Update

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OOI Town Hall
14 December 2021



Background

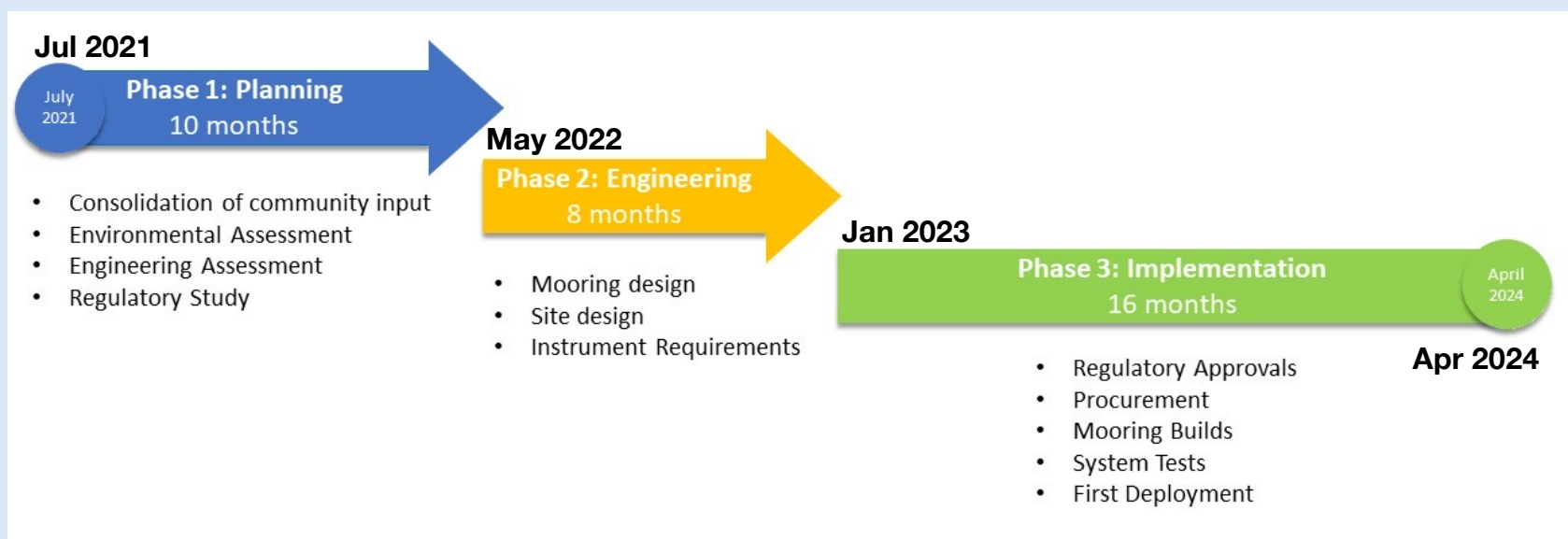
- NSF Announcement of intent to relocate (or retain)
 - Ocean Sciences Town Hall, Feb 2020
- Extensive community input from two Innovations Labs
 - 15-19 March and 21-15 June 2021
- Decision to relocate to southern MAB
 - Announced in Apr 2021
- OOI Relocation Process
 - Initiated July 2021





Relocation Timeline

- Three main phases: Planning, Engineering, Implementation
- NE Shelf Pioneer ends Fall 2022



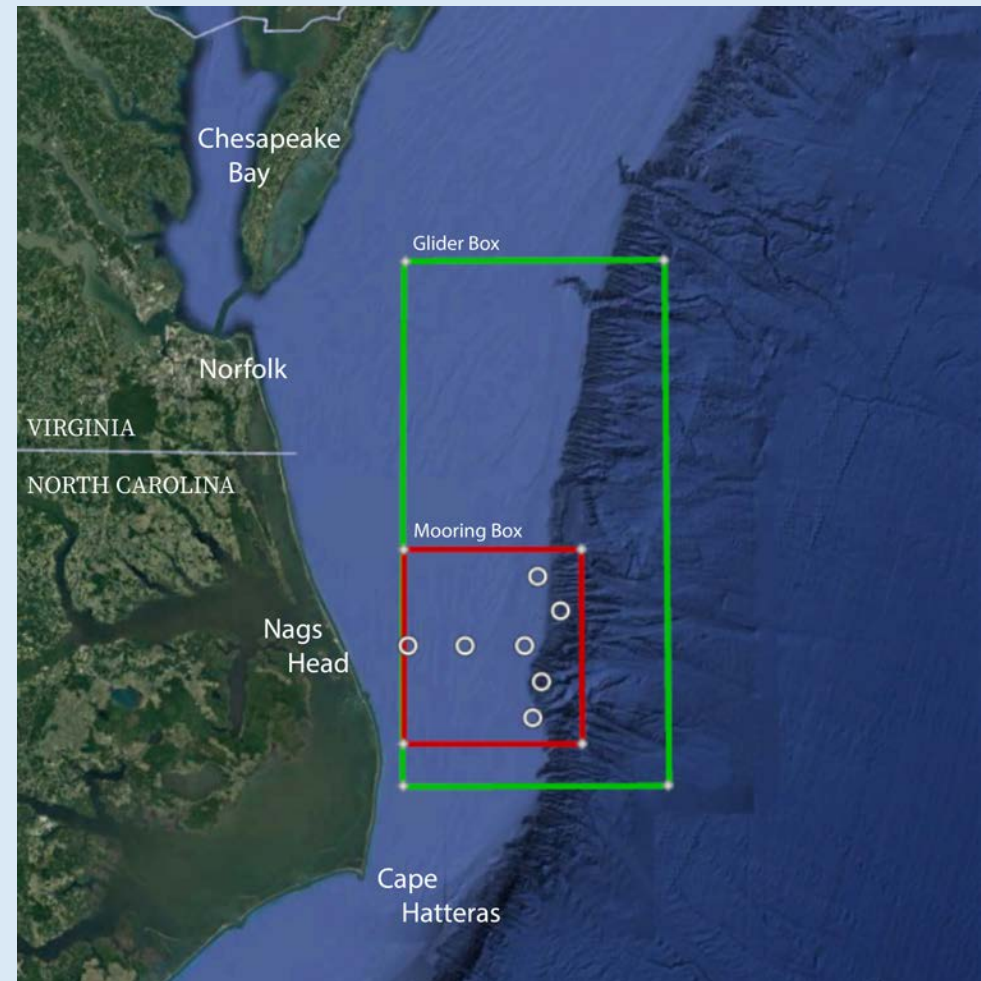


Planning Phase Status

- Consolidation of Innovations Labs input
 - Underway, Focus Group established
 - Scope: science themes, array design, instrumentation
- Site Characterization
 - Underway, working group established
- Regulatory Study
 - RFQ/RFP in process to engage consultant
- Engineering Assessment
 - Spring 2022

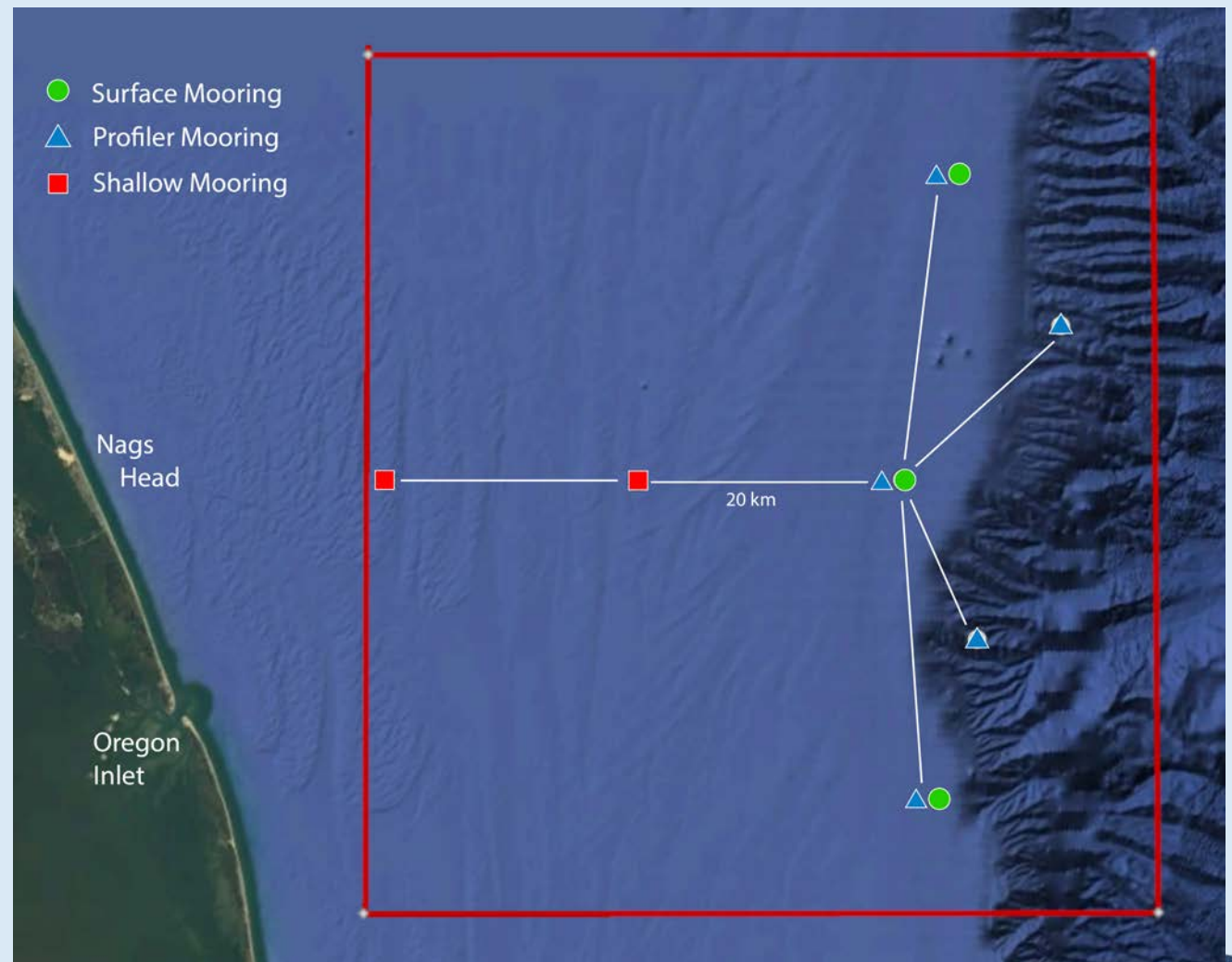
Proposed Array Design

- Approach
 - Driven by Innovations Lab science questions and array concepts
 - OOI assessment for practical implementation
- High level science themes
 - Dynamics of shelf/slope exchange
 - BGC cycling and transport; ecosystem response
 - Extreme events



Moored Array

- Components
 - Surface moorings
 - Profiler moorings
 - Shallow moorings
- Challenges
 - Regulatory
 - Shallow water
 - Instruments





Outreach and Communication

- Science opportunities, partnerships and collaborations
 - Meetings, discussions, site visits
- Waterspace management
 - Specifics driven by regulatory and permitting requirements
- OOI Website, Newsletter and social media postings
 - Timeline posted Sep 2021, preliminary Array design Jan 2022
- Updates with Q&A at national meetings
 - e.g. OOI Booth at Fall AGU and Ocean Sciences



OCEAN
OBSERVATORIES
INITIATIVE

Questions?

