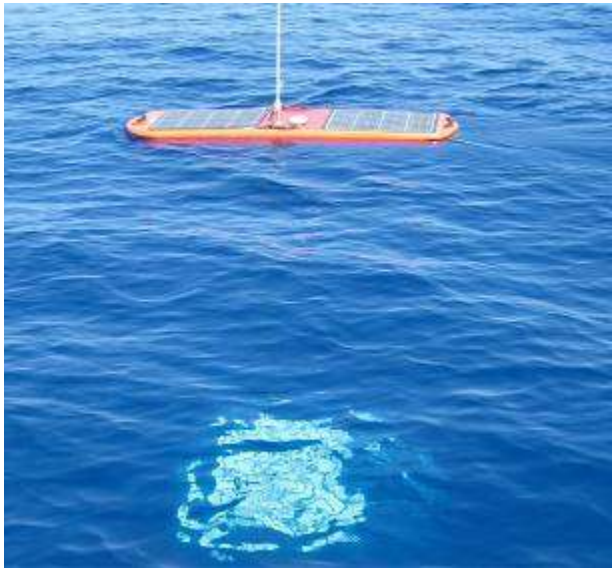
Mobile Platforms

	AO	CARI	CeNC	GC	GLOS	MARA	NAN	NERA	PACI	SCC	SEC
Gliders profiling # platforms # FTEs											
Gliders surface # platforms # FTEs											
Propeller-driven AUVs # platforms # FTEs											
Ships time series # FTEs											
Ships events # cruises # FTEs											
Ships of opportun-ity # FTEs											
Jet skis # platforms # FTEs											
Drifters # platforms # FTEs											

Common Elements of Regional OOS: Mobile Platforms



Liquid Robotics Wave Glider

- Surface wave gliders – soon to be common, or new and innovative, or both?

- Vertically profiling gliders (Slocum, Spray, iRobot) – coastal and deepwater work
- Ships – transect and station time-series, event response and process studies
- As payload, power and duration increases for gliders and AUVs, ship time for some uses may be reduced
- Propeller-driven AUVs – water-column and benthic work

Some Region-Specific Mobile Platforms

Elephant Seal

- MA & NE: Ferries
- CeN: Marine mammals
- Pac: Fish tags – multipurpose platform for measuring ocean properties and fish location

Innovative/Uncommon Mobile Platforms

- CeN: Tethys – a new class of AUVs to support chemical and biological sensing missions – range of 1,000 km or more.

- NE: Autonomous surface craft (future vision)

Discussion Questions

- Are there other common mobile platforms that should be added to the national synthesis list?
- Which new, innovative, and/or uncommon mobile platforms or sensors should be identified in the national synthesis?
- What are key differences among the regions in terms of mobile platform types and numbers, and the reasons for those differences?
- How should the synthesis document address the quantification of mobile platforms?
- What are the next steps needed to move the synthesis forward?