

Vision and Partnership Working Group

(Dick West, Sara Graves, Jennifer Read, Oscar Schofield)

Charge of the working group:

- 1) relationships across federal agencies, as well as with non-federal partners,
- 2) provide recommendations to strengthen and enhance those relationships,
- 3) strategy for strengthening existing partnerships,
- 4) investigate where the Enterprise might forge strategic alignments with new, unfamiliar communities

No formal list exists for the current IOOS Partnerships

Mining the RA websites: 689 partners

Types of partnerships: note this is a very loose definition of partnership!

186 are Academic, Education, Research

177 are Federal, State, Local, and Tribal Government

155 are Non-governmental

166 are Industry

5 are Individual Members

RA variability

Max partners: 100

Min partners: 19

Hard to determine to what degree partnerships are active.

No clear datasets to assess scale of the partnerships. Note however small partnerships are extremely useful for developing local operator knowledge

Thanks to Kathleen Davis

Developing Data Base:

Goal would be identify core partners & activity

Which are the active partnerships

	A	B	C	D	E	F	G
1	IOOS PARTNERSHIPS						
2					Receives IOOS	IOOS receives	
3	Partner	Division	Status of Partnership	Data Need	Data Products	Data Products	Hurdles
4	Fed - ACOE	Coastal Data Information Program (Wave Bouys)					
5							
6	Fed - BOEM	Offshore Energy (Oil&Gas/Wind)					
7							
8	Fed - DoD	ONR	sporadic	regional data	scientists using regional data	improved tools, improved knowledges	Ability to access to the
9	Fed - DoD	NAVO	moderate	regional data	models-data to support decision making	loaned infrastructure (gliders), model outputs	Mechnaisms for potential open access data
10	Fed - DoD	US Coast Guard	active	Receives IOOS data	Doppio model outputs, HF Radar		Infrastructure is old and current replacement rate will not allow the contunued delivery of data
11	Fed - DoD	Warfare Centers					
12							
13	Fed - DHS						
14							
15	Fed - NSF	OOI	moderate	varied	IOOS has access to regional data	NSF data support regional efforts	The efforts to merge is largely unfunded and is underutilized
16	Fed - NSF	Geosciences	sporadic	varied	scientists take data	IOOS receives improved science	tend to short expeditionary efforts
17	Fed - NSF	Geoscience OTEC	sporadic	varied	new science opportunities	potentially receiving new sensors	get NOPP renergized
18							
19	Fed - NOAA	National Weather Service	active	in situ temperaure, salinity, circulation	weather data	weather data	infrastructure and personnel limited
20	Fed - NOAA	National Weather Service	active	IOOS ocean data	in situ data (mooring, gliders)	operational planning	getting desired data to NWS modeling infrastructure and personnel limited
21	Fed - NOAA	NMFS	regionally moderate	regional IOOS data	temperature, salinity, model simulation	additional in water measurements	data exchanges
22		NESDIS					
23		OAR					
24		MBON					
25		NOS					
26	Fed - USGS	Water Quality measurements	Active	water quality (oxygen, pH)	science support	expanded infrastruture	sustained state fundings
27		Universities	Active	regional IOOS data	regional ocean data and model outputs	infrastructure, knowledge, people	funding, different missions (streaming data vs publications), maintianing science interest
28	Fed - NASA	MBON					
29		Ecological Monitoring					
30							

Existing Types Federal & State Partnerships

Shared Cost Partnership Examples: (Network partnerships)

NOAA OAR (Ocean Acidification Program): Partnerships funds regional observations, data portal, information exchange. Filling data voids.

NASA, Navy, BOEM (MBON): Partnership and on-ramp for developing integrated measurements

These partnerships expand/accelerate the research & development given operational nature of IOOS funding. Given many RAs are operated by research labs and universities, how do we take advantage of the partnerships and accelerate the development of new data products for stakeholders?

Major User of the IOOS data products: (Mega-operational data users)

US Coastguard: DOPPIO and HF radar directly piped into the Coastguard SAR data products.

State Depts. Of Environmental Protection: IOOS data provides context. Sometimes it provides complementary measurements.

How best to galvanize their support into advocacy for IOOS?

Existing Types Commercial Partnerships

Shared Cost Partnership Examples: (Offshore energy oil, gas, winds)
Invests in expanded partnership (more units in ocean, atmosphere, land)

How can be translated into wider sustained data products? How to maximize data products to directly support partners but open to wider IOOS community?

Small local users: (Local knowledge)

Unique data products feeding regional needs is invaluable information.

Cross Cutting Questions

How to balance investment? Fixed resource base, under-sampled systems, and aging infrastructure

How much to invest for the needs of current data mega-users? That partnership would require infrastructure renewal to continue to provide core required measurements.

How much to invest in new research/development efforts? How to balance new partners against existing users? These conflicting needs required set what infrastructure should be prioritized.