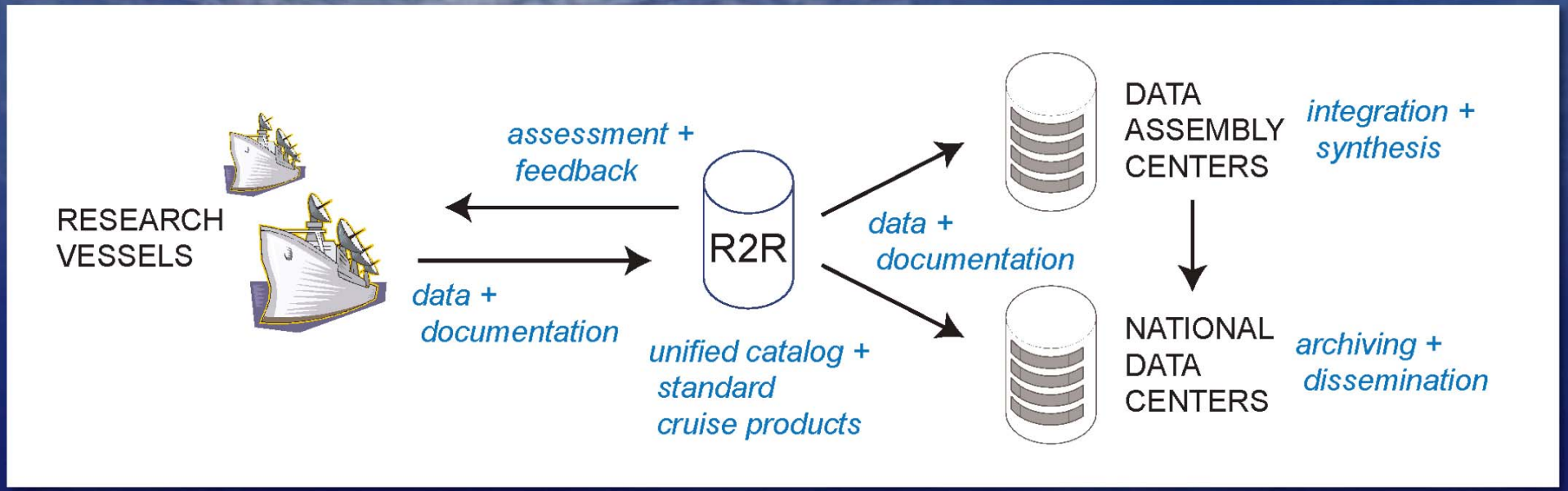
Rolling Deck to Repository (R2R)



- Migrate all routine “underway” data to long-term repositories
- Create catalog of cruises and standard products
- Assess data quality and provide timely feedback to operators

Fleet Online

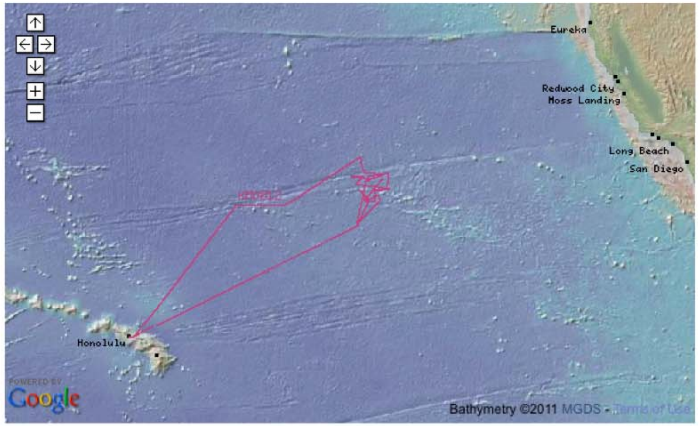
- 26 RVs (21 UNOLS +5 allied)
- 2,056 cruises cataloged
- 7+ million files archived

Joined R2R

Oct. 2008 *Langseth (Healy)*
Kilo Moana
Melville
Revelle
2009 *Thompson*
Sharp
Atlantis
Knorr
Oceanus (Ka'imikai)
Barnes
Walton Smith
2010 *Point Sur*
Wecoma (Cramer)
(Seamans)
Endeavor
New Horizon
Sproul (Polar Sea)
Pelican
Savannah
Explorer
Hatteras
Oct. 2010 *Blue Heron*

NOAA Archives

Cruise Catalog: KM0812



Operator: University of Hawaii
Vessel: Kilo Moana

Cruise ID	Start Date	Start Port	End Date	End Port
	Details			
KM0812	2008-07-01	Honolulu	2008-07-22	Honolulu
Inventory	*Project:* North Pacific Subtropical Gyre (NPSG) Silica Cycling			

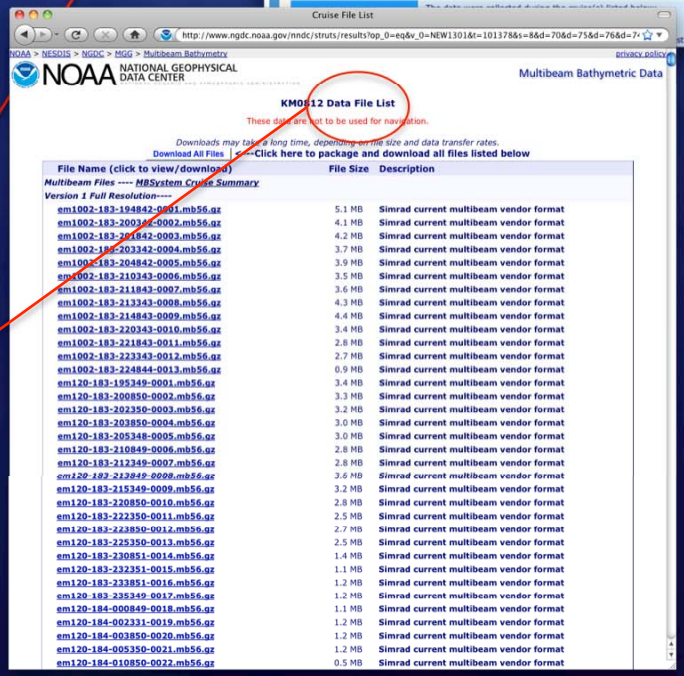
SCIENCE PARTY

Brzezinski, Mark	Scientist, Chief	University of California, Santa Barbara

FILE SETS

Device Type	Make [,Model [,Location]]	Files	Repository	
adcp	RDI OS-38	List	NODC	Download
adcp	RDI WM-300	List	NODC	Download
multibeam	Kongsberg EM1002	List	NGDC	Download
multibeam	Kongsberg EM120	List	NGDC	Download

ADCP
-> NODC

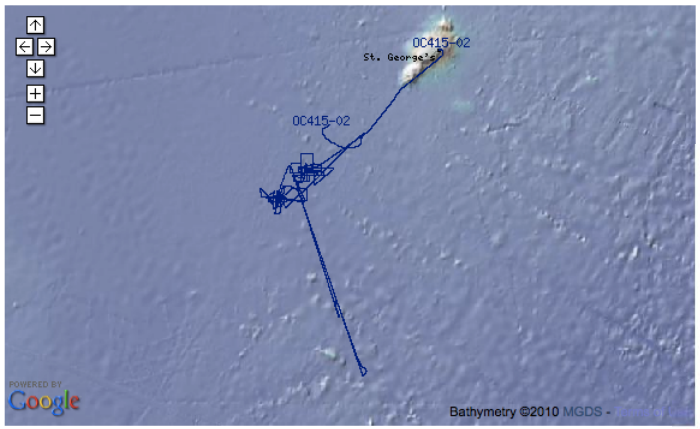


Multibeam
-> NGDC

http://www.rvdata.us/catalog/KM0812

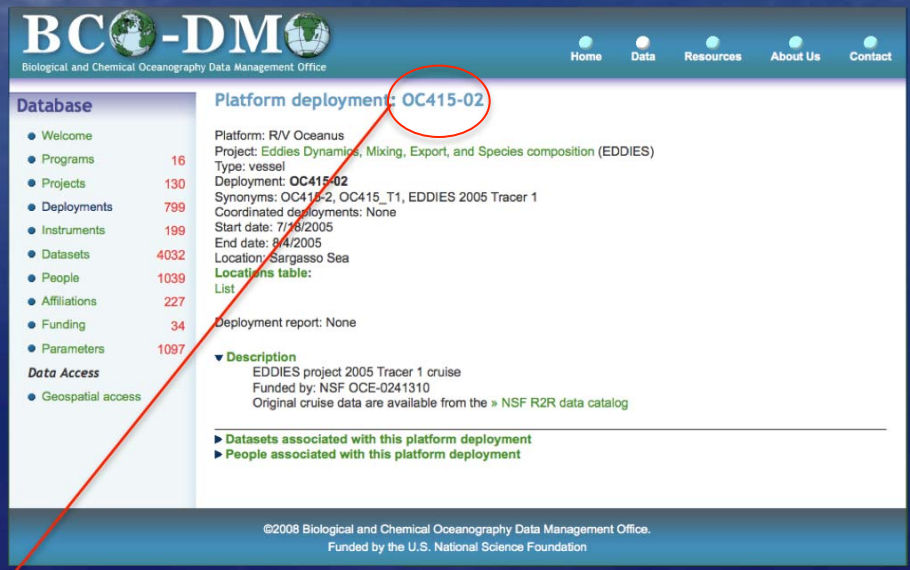
Reciprocal Linking

Cruise Catalog: OC415-02



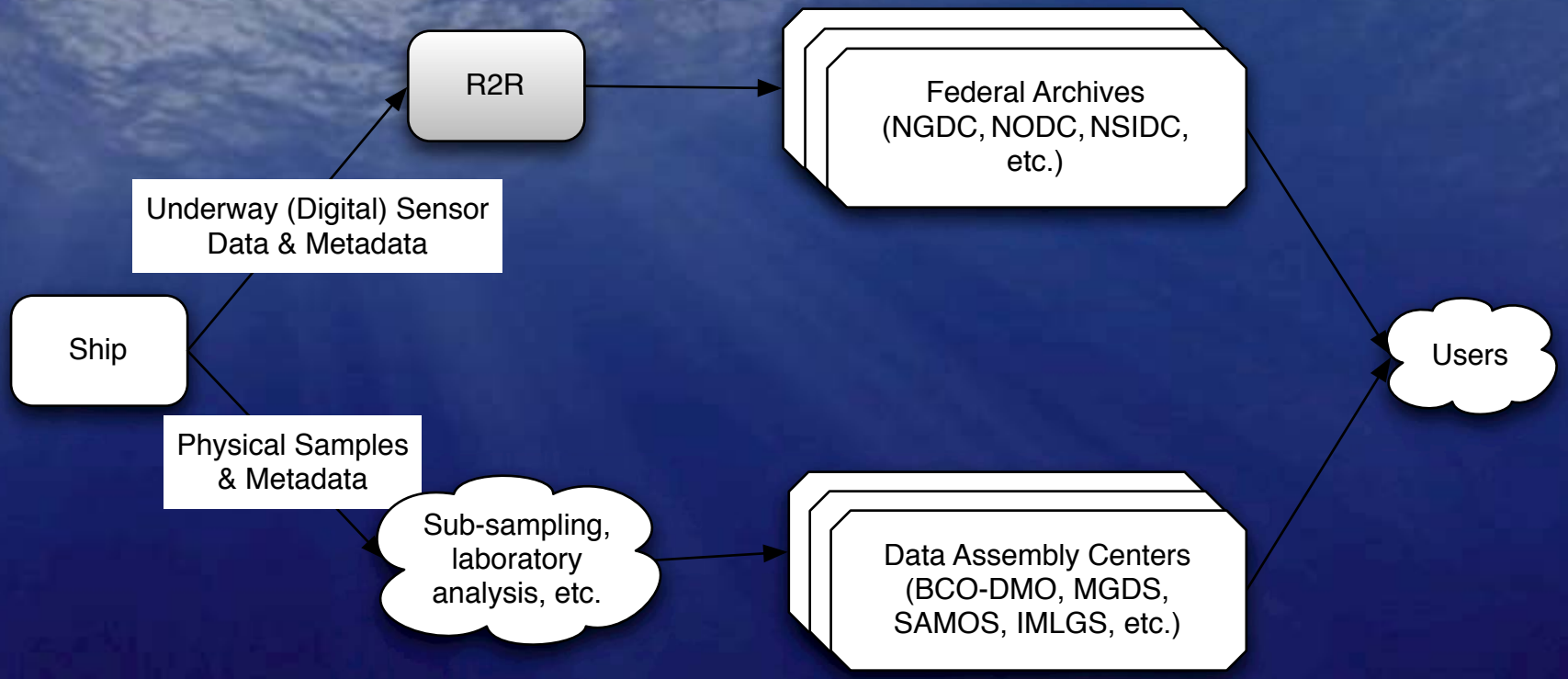
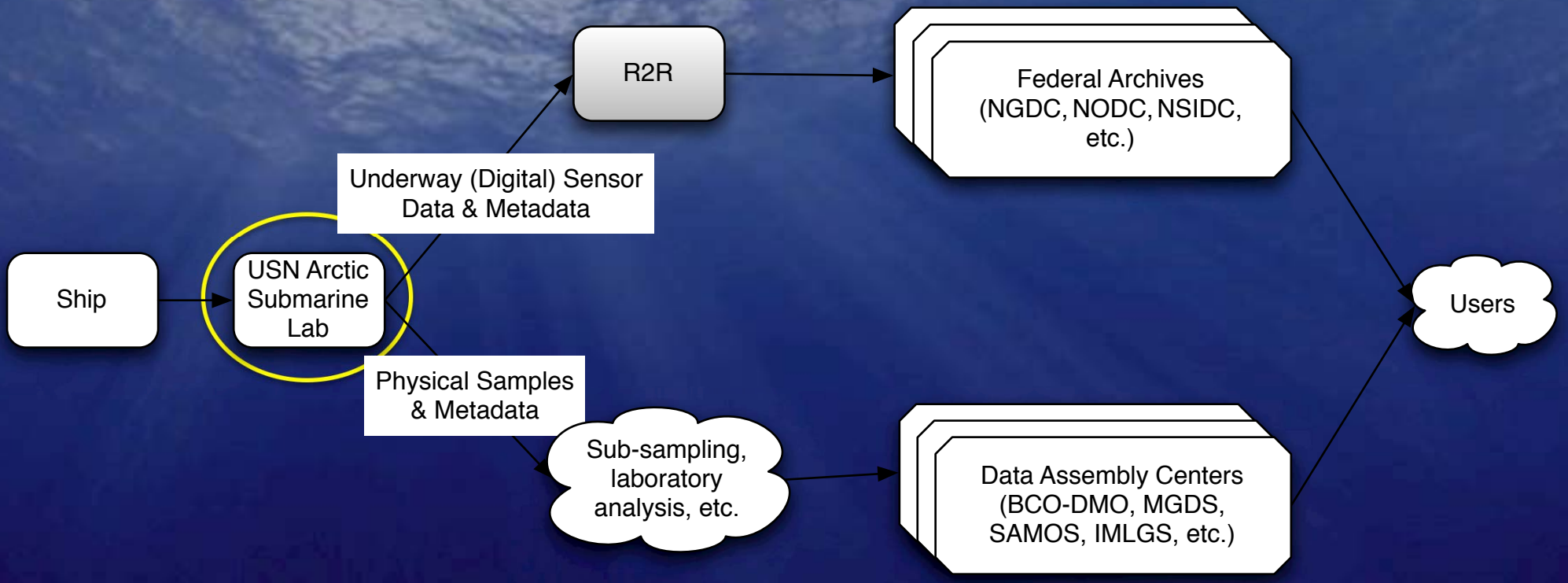
Operator: Woods Hole Oceanographic Institution
Vessel: Oceanus

Cruise ID	Start Date	Start Port	End Date	End Port
	Details			
OC415-02	2005-07-18	St. George's	2005-08-04	St. George's
Inventory	*Project:* Eddies Dynamics, Mixing, Export, and Species (EDDIES) (Info)			
	SCIENCE PARTY			
	Ledwell, James	Scientist, Chief	Woods Hole Oceanographic Institution	
	RELATED DATA			
	Biological and Chemical Oceanography Data Management Office (Info)		Data	



Processed bio/chem data at BCO-DMO

Standard R2R Data Flow



SCICEX SAM/R2R Data Flow