



Rolling Deck to Repository (R2R)

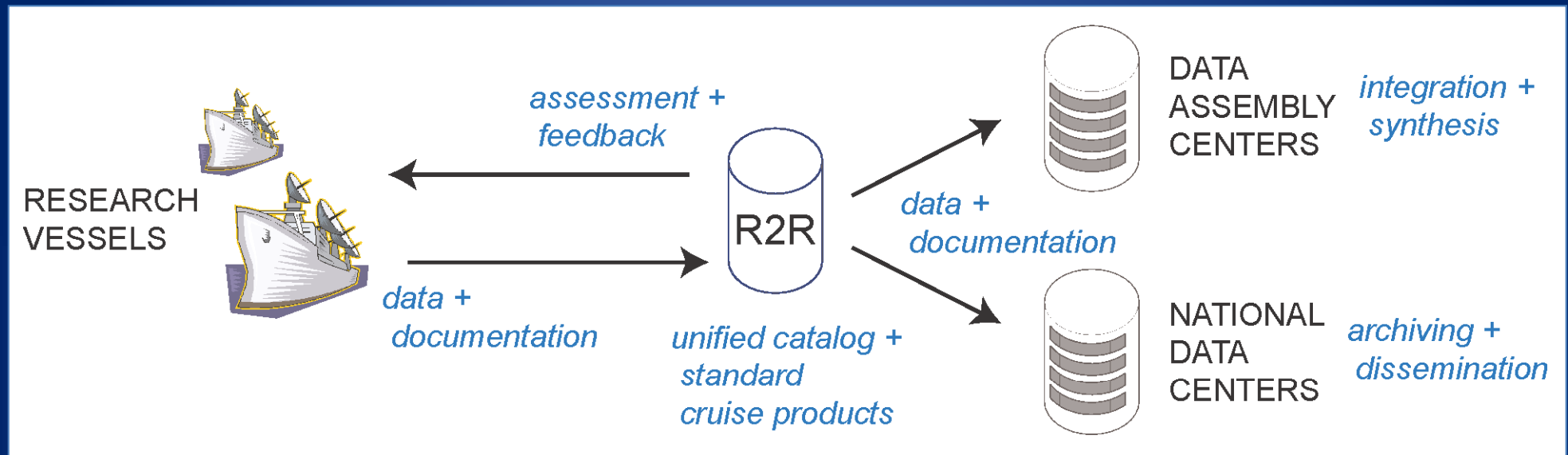
Vision

“the academic fleet as an integrated global observing system”



R2R proposes an evolution in data management for U.S. academic research vessels, providing a “direct pipeline” for routine underway cruise data and documentation from operating institutions to a central repository.

Goals



- 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

Status

- 18 vessels currently submitting data (14 UNOLS + 4 allied)
- 1,400+ cruises inventoried
- 4.8+ million data files archived

Atlantis
Barnes
Cramer
Endeavor
Healy
Ka'imikai
Kilo Moana
Knorr
Langseth
Melville
Oceanus
Point Sur
Revelle
Seamans
Sharp
Smith
Thompson
Wecoma



Cruise Catalog | Rolling Deck to Repository (R2R)

http://www.rvdata.us/catalog

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Ships: 22
Cruises: 1407
Files: 4784987
April 19, 2010

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Cruise Catalog

Alpha Helix ★ Atlantic Explorer Atlantis ★ Blue Heron
Cape Hatteras Clifford A. Barnes ★ Corwith Cramer ★ Endeavor ★
F.G. Walton Smith ★ Healy ★ Hugh R. Sharp ★ Ka'imikai-o-Kanaloa ★
Kilo Moana ★ Knorr ★ Marcus G. Langsoth ★ Maurice Ewing ★
Melville ★ Moana Wave ★ New Horizon ★ Oceanus ★
Pelican Point Sur ★ Polar Sea Polar Star
Robert C. Seamans ★ Robert Gordon Spruill ★ Roger Revelle ★ Savannah
Seward Johnson Thomas G. Thompson ★ Wecoma ★

Click here for vessel details. ★ - (data submitted/archived)

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

Home

Cruise Catalog: Kilo Moana

Operator: University of Hawaii

Cruise ID	Start Date	Start Port	End Date	End Port
Details				
Inventory	Project: Hawaii Ocean Timeseries (HOT-173) Chief: Santiago-Mandujano, Fernando (Hawaii)			
KM0514	2005-06-24	Honolulu	2005-09-01	Honolulu
Inventory	Project: U.S. Extended Continental Shelf (ECS) Survey Chief: Armstrong, Andrew (CCOM)			
KM0513	2005-06-13	Honolulu	2005-06-17	Honolulu
Inventory	Project: Hawaii Ocean Timeseries (HOT-170) Chief: Santiago-Mandujano, Fernando (Hawaii)			
KM0512	2005-06-02	Honolulu	2005-06-10	Honolulu
Inventory	Project: Improvement of Bottomfish Stocks: Phase III Chief: Kelley, Christopher (Hawaii)			
KM0511	2005-05-28	Honolulu	2005-05-30	Honolulu

(178 cruises)

Cruise Catalog

Device Types

- ADCP
- Anemometer
- CTD
- Echosounder
- ExpendableProbe
- Flowmeter
- Fluorometer
- GPS
- Gravimeter
- Gyrocompass
- Magnetometer
- MetStation (*pressure, temperature, humidity*)
- MRU
- Multibeam
- pCO2
- Radiometer
- RainGauge
- SpeedLog
- SSV
- Subbottom
- Thermometer
- Transmissometer
- TSG
- Winch

General Classes:

- Geophysical
- Oceanographic
- Meteorological
- Navigational

Next Steps

1. Bring remaining UNOLS vessels into Catalog (*Atlantic Explorer, Blue Heron, Cape Hatteras, New Horizon, Pelican, Sproul, Savannah*)
2. Continue ship visits and development work e.g. SAMOS realtime data protocol
3. Create new “Cruise Report” Web form (jointly with UNOLS Office) to capture cruise identifier, personnel list, ancillary awards



Thank you.