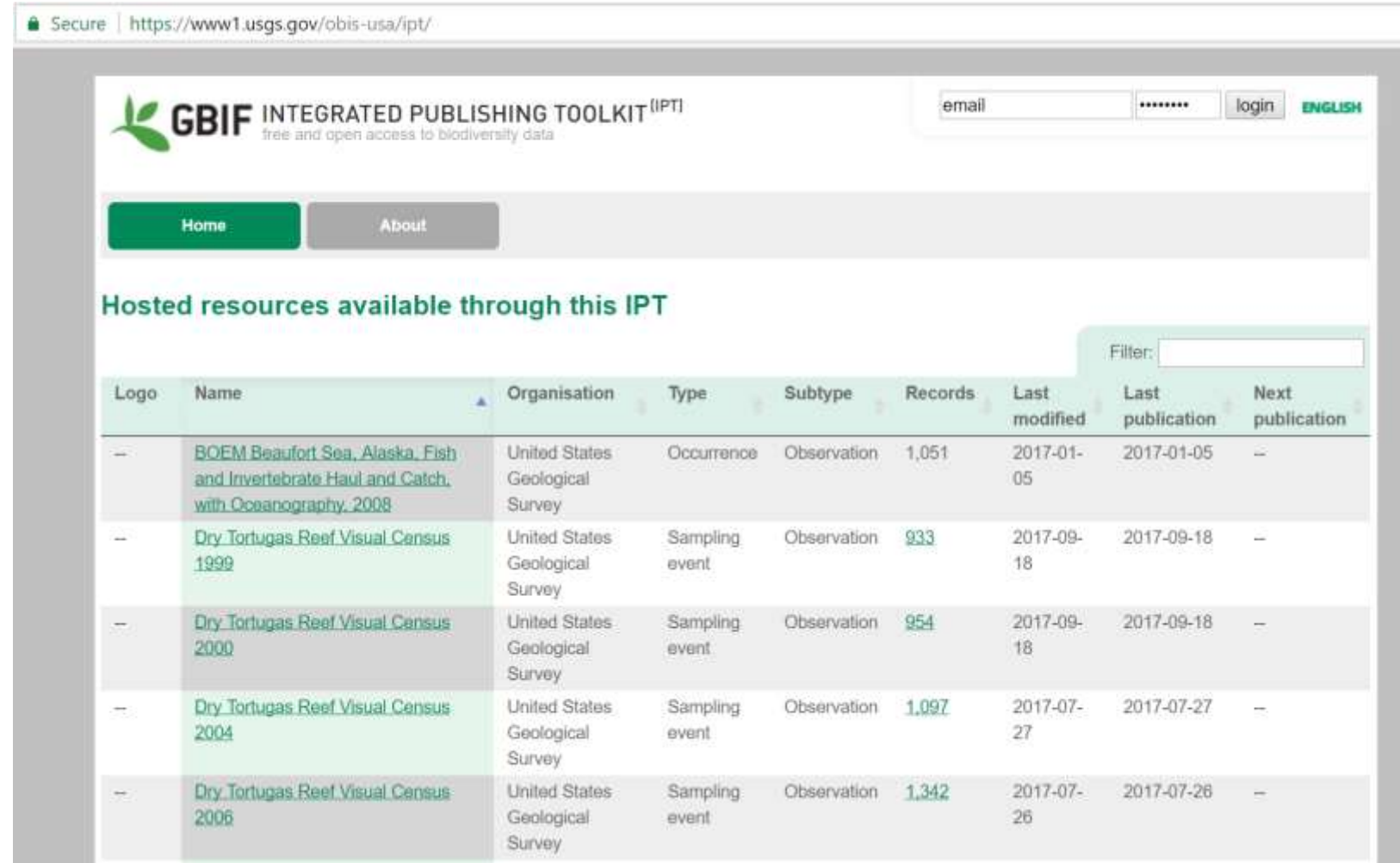


Improving data availability with “OBIS-ENV-DATA”: Examples from OBIS-USA

Abby Benson, U.S. Geological Survey
OBIS-USA Node Manager

OBIS-USA

- US Node to OBIS is administered by the U.S. Geological Survey (USGS)
- Provides data to OBIS and GBIF via an instance of the GBIF Integrated Publishing Toolkit hosted by USGS



The screenshot shows the GBIF Integrated Publishing Toolkit (IPT) interface. The header includes the GBIF logo and the text "INTEGRATED PUBLISHING TOOLKIT (IPT) free and open access to biodiversity data". There are input fields for "email" and "password" with a "login" button, and a language selector set to "ENGLISH". Below the header are "Home" and "About" buttons. The main content area is titled "Hosted resources available through this IPT" and features a table with columns: Logo, Name, Organisation, Type, Subtype, Records, Last modified, Last publication, and Next publication. A "Filter:" input field is located above the table. The table lists five resources, all from the United States Geological Survey, including a BOEM Beaufort Sea, Alaska, Fish and Invertebrate Haul and Catch with Oceanography 2008, and four Dry Tortugas Reef Visual Census surveys from 1999, 2000, 2004, and 2006.

Logo	Name	Organisation	Type	Subtype	Records	Last modified	Last publication	Next publication
--	BOEM Beaufort Sea, Alaska, Fish and Invertebrate Haul and Catch, with Oceanography, 2008	United States Geological Survey	Occurrence	Observation	1,051	2017-01-05	2017-01-05	--
--	Dry Tortugas Reef Visual Census 1999	United States Geological Survey	Sampling event	Observation	933	2017-09-18	2017-09-18	--
--	Dry Tortugas Reef Visual Census 2000	United States Geological Survey	Sampling event	Observation	954	2017-09-18	2017-09-18	--
--	Dry Tortugas Reef Visual Census 2004	United States Geological Survey	Sampling event	Observation	1,097	2017-07-27	2017-07-27	--
--	Dry Tortugas Reef Visual Census 2006	United States Geological Survey	Sampling event	Observation	1,342	2017-07-26	2017-07-26	--

OBIS-USA Partners

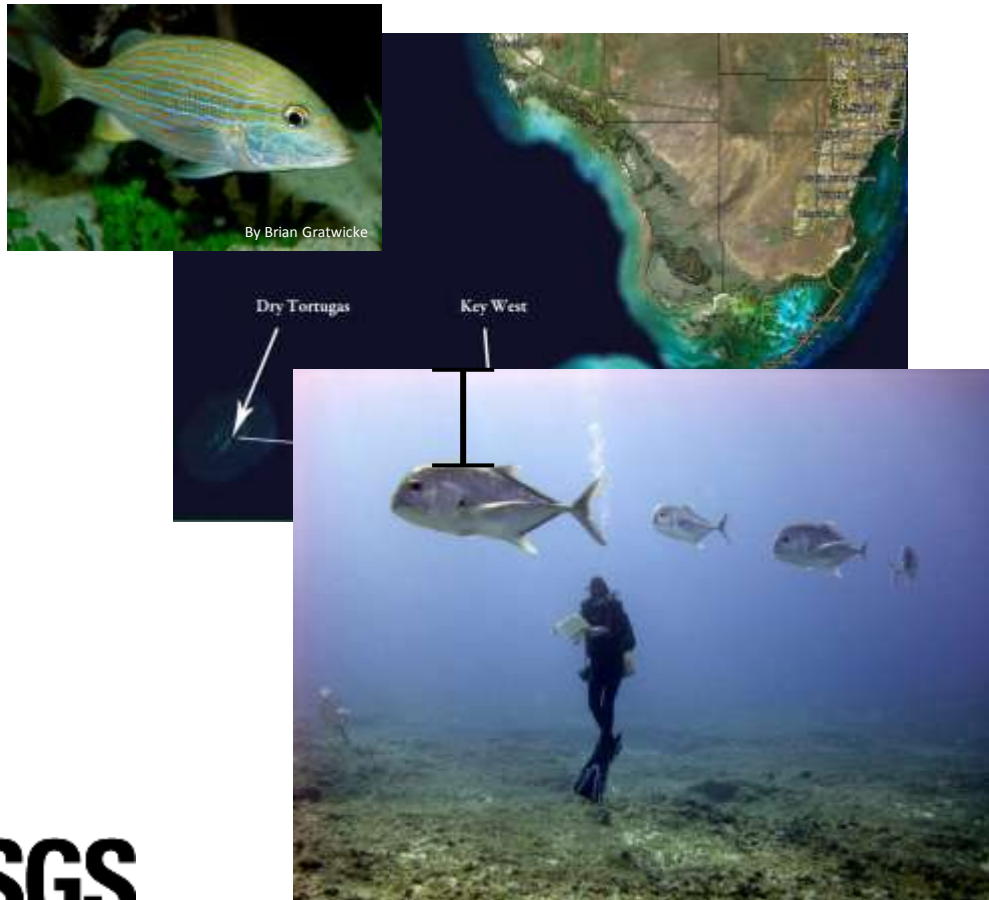
- US Government Agencies- USGS, IOOS, NOAA, U.S. Navy, BOEM
- US Projects, Universities and Research Organizations
- Ocean Biogeographic Information System Spatial Ecological Analysis of Megavertebrate Populations (OBIS SEAMAP)
- Biological and Chemical Oceanography Data Management Office (BCO-DMO)
- National Centers for Environmental Information (NCEI)

More data, better context

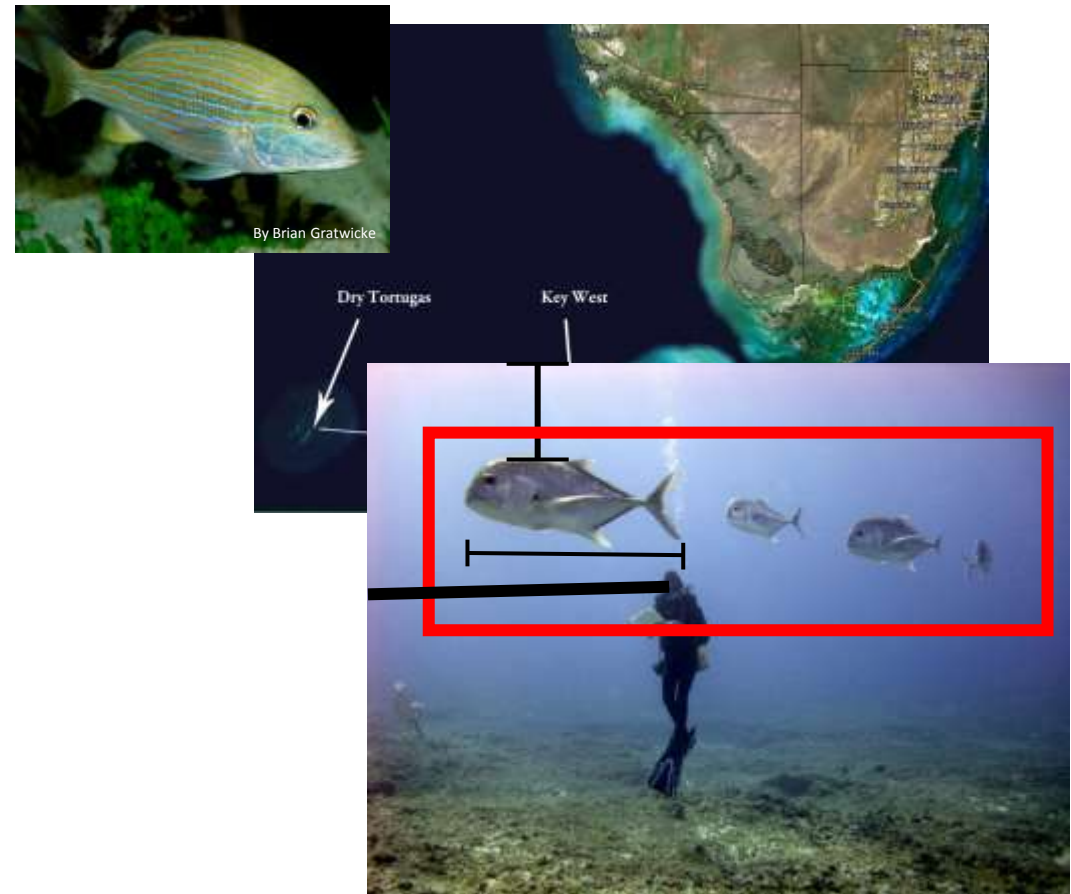


Sanctuaries MBON Example

- Occurrence Only



- OBIS-ENV-DATA



NOAA Coral Reef Monitoring Example

- Occurrence Only

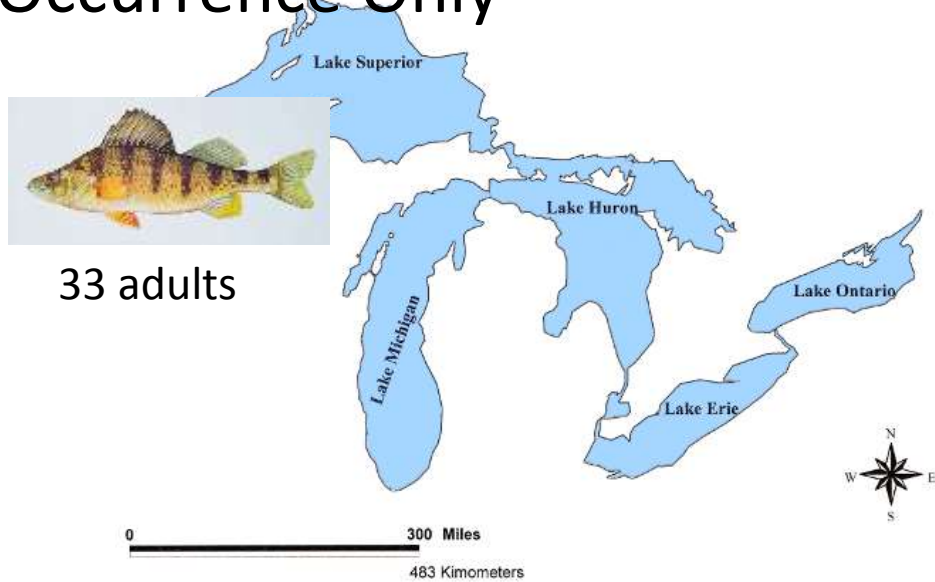


- OBIS-ENV-DATA

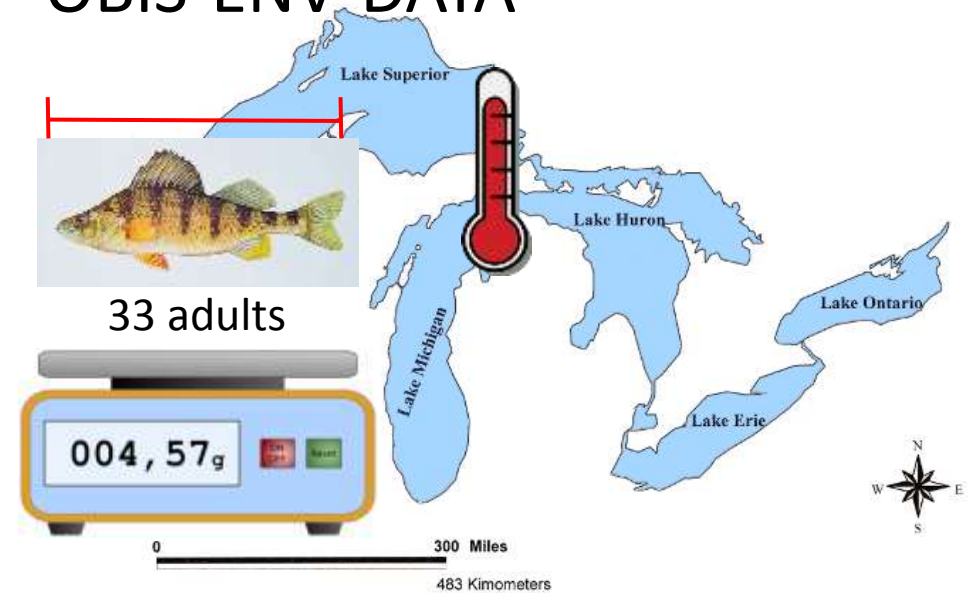


USGS Great Lakes Trawl Survey

- Occurrence Only



- OBIS-ENV-DATA



Other examples



This female elephant seal carries tags that will monitor its location, swim speed, and depth and duration of dives, as well as the temperature and salinity of the seawater and how that changes with depth. (Photo by Dan Costa)



What this means

- OBIS Event Data for Scientific Applications
 - Animal Telemetry (April 2018)
 - Benthic communities (October 2018)
- Essential Ocean Variables / Essential Biodiversity Variables