

Steps Towards a CROP Data Portal

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Data Manager's Meeting, San Juan, Puerto Rico
March 13th, 2013

TNC's Role in CROP



CCRI



Objectives:

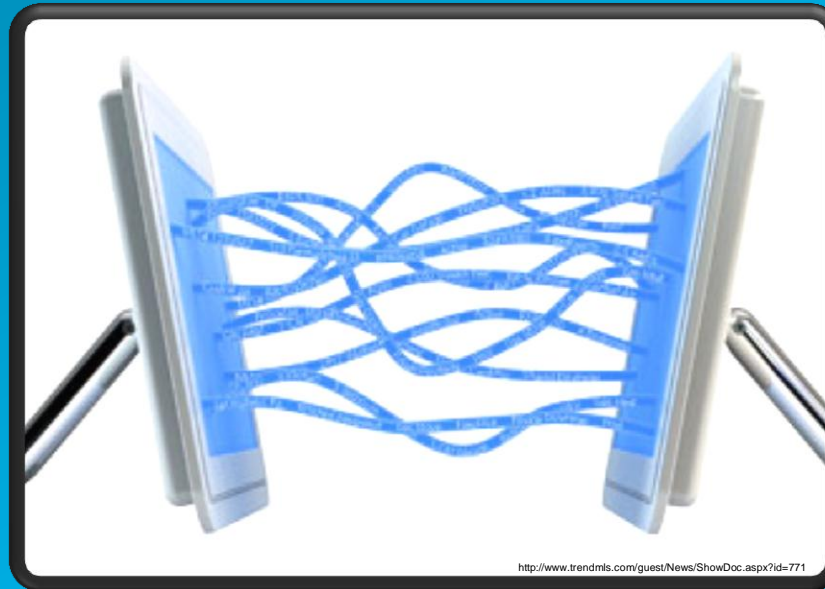
1. Facilitate the establishment and implementation of a Caribbean Regional Ocean Partnership
2. Identify sustainable funding options for CMSP and a Caribbean Regional Ocean Partnership
- 3. Improve collaboration between regional CMSP data managers**

Goals for ROP Phase 1

1. Set in motion a coordination work plan among spatial data partners
2. Establish Regional Data Portal
3. Identify CMSP data gaps
4. Establish workflow for key regional datasets

Goals for today

1. Assess role of each organization in CROP Data Portal and data available for sharing



TNC & CZMP Datalist

List of the data by file and common name including a short description of each

File Name	Common Name	Description	Spatial Reference	Category
pr_topo_contours_50m.shp	Topographic Contours	50m contours for Puerto Rico.	WGS_1984_Web_Mercator_Auxiliary_Sphere	Topographic
pr_moot_priorityareas_DRNA_2008	Priority Areas	Originally named "APC_DRNA_2008", this dataset was sent to John Knowles by <u>Raimundo Espinoza</u> on March 5, 2012. These are the PR Conservation Priority Areas. They can be overlapped with existing protected areas to determine how PR is meeting their conservation priorities.	NAD_1983_StatePlane_Puerto_Rico_Virgin_Islands_FIPS_5200	Model Other
usvi_bath_depthpoints_2001.shp	Bathymetric Depth Points	These data were collected by the National Ocean Service (NOS, formerly the U.S. Coast and Geodetic Survey) for the purpose of charting the coastal waters and navigable waterways of the United States.	NAD_1983_UTM_Zone_20N	Bathymetric

Data Priorities

Ocean Uses

Vessel traffic patterns
Shipping channels
Energy facilities
Pipelines, cables & power
transmission
Commercial fisheries
Recreational boating & fishing
Shipwrecks
Aquaculture

Administrative & Cultural

Fishery management areas
Danger and restricted areas
Federal & State marine protected
areas
Heritage & cultural sites

Habitat

Birds
Marine mammals
Fish habitat
Shellfish habitat
Benthic communities

Physical & Oceanographic

Bathymetry
Seafloor geomorphology
Shoreline classifications
Wind regime
Surface currents and waves

Example taken from NROC

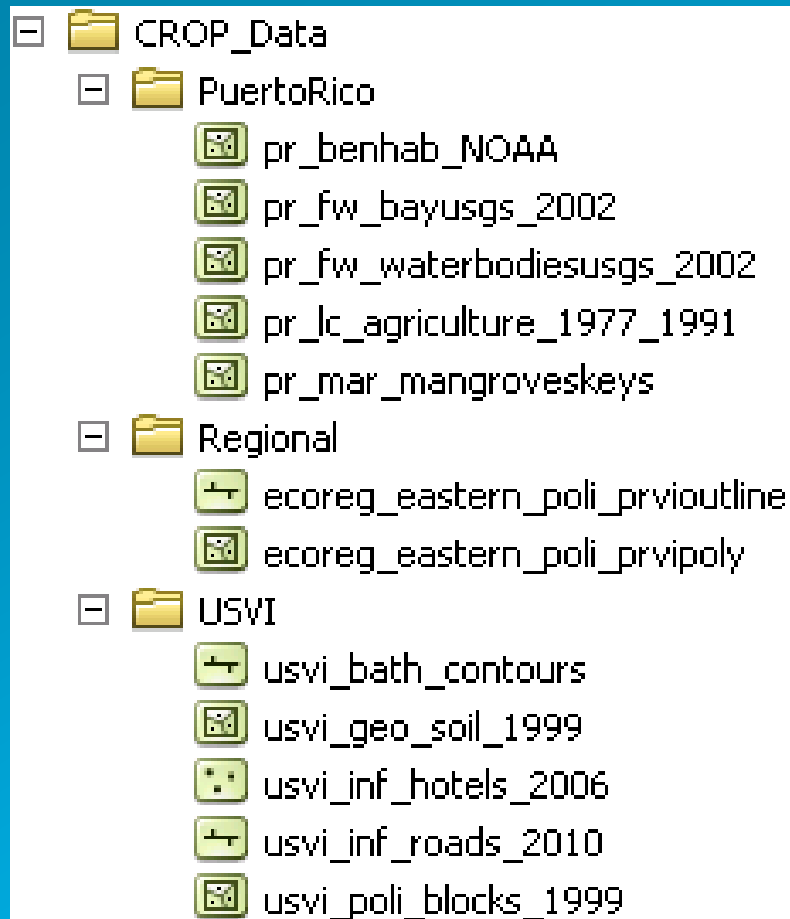
Goals for today

2. Discuss the shared standards that are needed for data and information used to support regional CMSP

- File formats
- Naming Convention
- Metadata
- Themes



Naming Convention



Scale Theme Name Date

Schools Shapefile



Main metadata
fields filled in for

FGDC: Geospatial Data Collection Special Award Condition 2012

Statistics were contributed by the Center for Research and Educational Foundations (CREF).

CREDITS

Use limitations

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USE LIMITATIONS

Extent

West -61.774044 **East** -61.386453
North 12.527380 **South** 11.997632

FIELD DESCRIPTIONS

FIELD ED_ID
* ALIAS ED_ID
* DATA TYPE SmallInteger
* WIDTH 4
* PRECISION 4
* SCALE 0

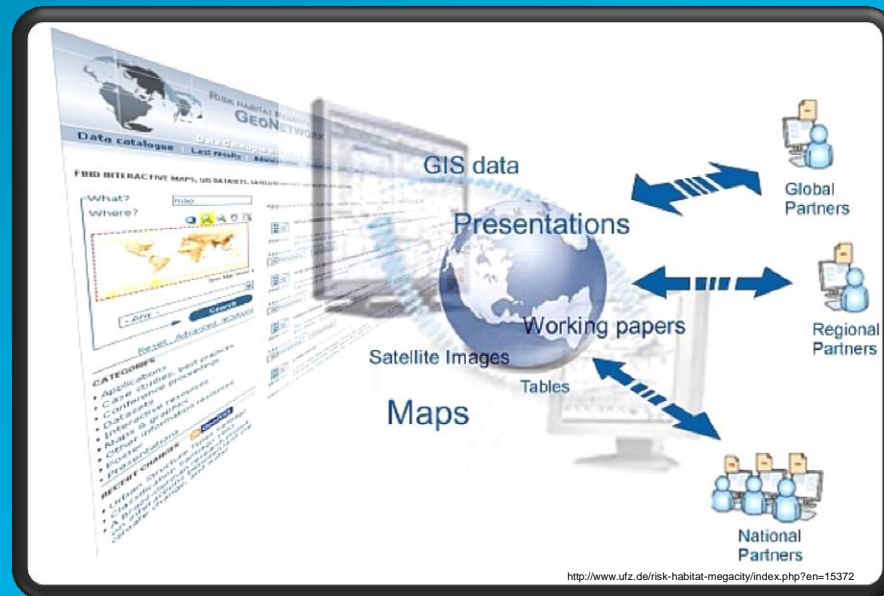
FIELD DESCRIPTION

3-4 digit ED identifier from 2001 census

Hide Field ED_ID ▲

Goals for today

3. Discuss portal development and likely uses of this portal by managers and stakeholders for CMSP



Decisions for Data Portal

Decisions to be made

– Where to host the data and portal

- Locally in one of the territories
- On the cloud (Amazon)
- NOAA's Digital Coast
- Ecotrust



– Software for webpage

- Madrona
- ArcGIS Online
- Create our own



Esri GeoPortal Server



The screenshot displays the GOMAportal interface. At the top, there is a navigation bar with links for 'Texas', 'Louisiana', 'Mississippi', 'Alabama', and 'Florida', along with 'Login', 'Help', 'About', and 'Feedback'. The main header features the 'Gulf of Mexico Alliance' logo and the text 'GOMAportal'. Below the header is a navigation menu with 'HOME', 'SEARCH', and 'BROWSE' options. The main content area is titled 'Undeveloped Coastal Barriers, Mississippi, USFWS, 2007' and includes a 'Details' tab. The 'Identification Information' section provides the following metadata:

- Title:** Undeveloped Coastal Barriers, Mississippi, USFWS, 2007
- Originator:** U.S. Fish and Wildlife Service
- Publication Date:** 20070707
- GOMA FTP Download URL:** ftp://gomaftp.tamucc.edu/Mississippi/AD_PROT_undeveloped_coastal_barriers_mississippi_USFWS_2007.zip
- Website URL:** <http://projects.dewberry.com/FWS/Digital%20CBRS%20Boundaries/Forms/AllItems.aspx>
- Abstract:** This data set contains areas in Mississippi designated as undeveloped coastal barriers in accordance with the Coastal Barrier Resources Act, as amended. This boundary data set was digitized between 4/1/2007 and 7/7/2007 from the official John H. Chafee Coastal Barrier Resources System (CBRS) maps enacted by law. This data set complies with the National Spatial Data Infrastructure (NSDI) and other standards established by the Federal Geographic Data Committee (FGDC). The U.S. Fish and Wildlife Service (FWS) endorses this data set as having been compiled to meet forty feet horizontal accuracy at the ninety-five percent confidence level relative to the boundaries shown on the official CBRS maps. However, these digital boundaries are only representations of the official CBRS boundaries and are not to be considered authoritative. The FWS is not responsible for any misuse or misinterpretation of this digital data set, including use of these boundaries to determine eligibility for federal financial assistance such as federal flood insurance. The official CBRS maps are enacted by Congress and maintained by the FWS. Copies of the official CBRS maps are available for viewing at the FWS national headquarters, regional and field (local) offices, and are also available for download at http://www.fws.gov/habitatconservation/coastal_barrier.htm. For an official determination of whether or not an area or specific property is located within the CBRS, or for any questions regarding the CBRS, please contact your local FWS office. Contact information for FWS field offices can be found at <http://www.fws.gov>.
- Purpose:** This data set was created to provide local users with a general depiction of the aerial extent of the boundaries of the John H. Chafee Coastal Barrier Resources System.
- Progress:** Completed
- Frequency:** As needed

On the left side of the screenshot, a 'Catalog' tree is visible, showing a hierarchy of content types and ISO Topic Categories. The 'Administrative and Political' category is currently selected.

MARCO

MARCO
MID-ATLANTIC OCEAN DATA PORTAL

NEWS ABOUT THE PORTAL VISIT MARCO SEARCH

MARCO
MID-ATLANTIC OCEAN DATA PORTAL

Administrative
Numerous federal, regional and
boundaries...

NEWS ABOUT THE PORTAL VISIT MARCO search

portal.midatlanticocean.org/visualize/#location%5Bx%5D=-75.17&location%5By%5D=37.42&location%5Bzoom%5D=9&active...

MARCO

RETURN TO PORTAL HELP

DATA ACTIVE (3)

- Coldwater Corals
- Artificial Reefs
- Waterbird Survey

Artificial Reefs
Reef Name: Wachapreague

LEARN
Understand the range

feedback

feedback

Learn
Administrative
Fishing
Marine Life
Maritime
Recreation
Renewable Energy
Security

Explore
Data Catalog
Data Priorities

Visualize
Marine Planner
Cartography
Collaboration
Interactivity

Sources: GEBCO, NOAA, CHS, OSU, UNH, CSUMB, National Geographic, Delorme, NAVTEQ, and Esri

Goals for today

4. Discuss Community of Practice options



Summary

Goals for today:



Available Data



Data Standards



Data Portal Options



Community of Practice