



the journey to restore
America's Everglades

CERP Integrated Database (CID) and EverGlades
Restoration Extraction Tool (EGRET)

CERPZONE TOOLS FOR DATA

CERPZone

CERP Information and Data Management:

- Purpose: **manage and integrate** CERP information according to the program-level strategy called for in the CERP Master Program Management Plan (MPMP)
- Reason: Standardization and management allows data collected by different projects and programs to be easily integrated into evaluations and assessments resulting in substantial savings of cost and time over the course of the program

Chapter 10 of the QASR covers Data Management

CERPZone tools for Environmental Monitoring Data

www.cerpzone.org

- Must have a user ID and password
 - Can fill out request form on the website, but must sign and route for signatures
- Two main storage areas:
 - Data Access Storage and Retrieval (DASR)-Primarily for:
 - Data
 - Modeling input, output and evaluations
 - GIS data and maps
 - Documentum – documents
- Many tools – example: Monitoring Locator – metadata about sampling locations in South Florida

Difficulties with storing data

- A significant number of environmental monitoring data records generated by CERP Projects and Program
- Data encompasses many different disciplines: biology, ecology, hydrology, water quality
- Data collected for many different purposes: regulatory, baseline, cultural resources, system-wide understanding, hydrodynamic modeling, etc.
- Data currently housed in many different locations: not just on DASR
- Similar data currently available in different formats: Excel spreadsheets, Access/Oracle databases, pdf tables, paper copy tables, etc.

Difficulties with storing data

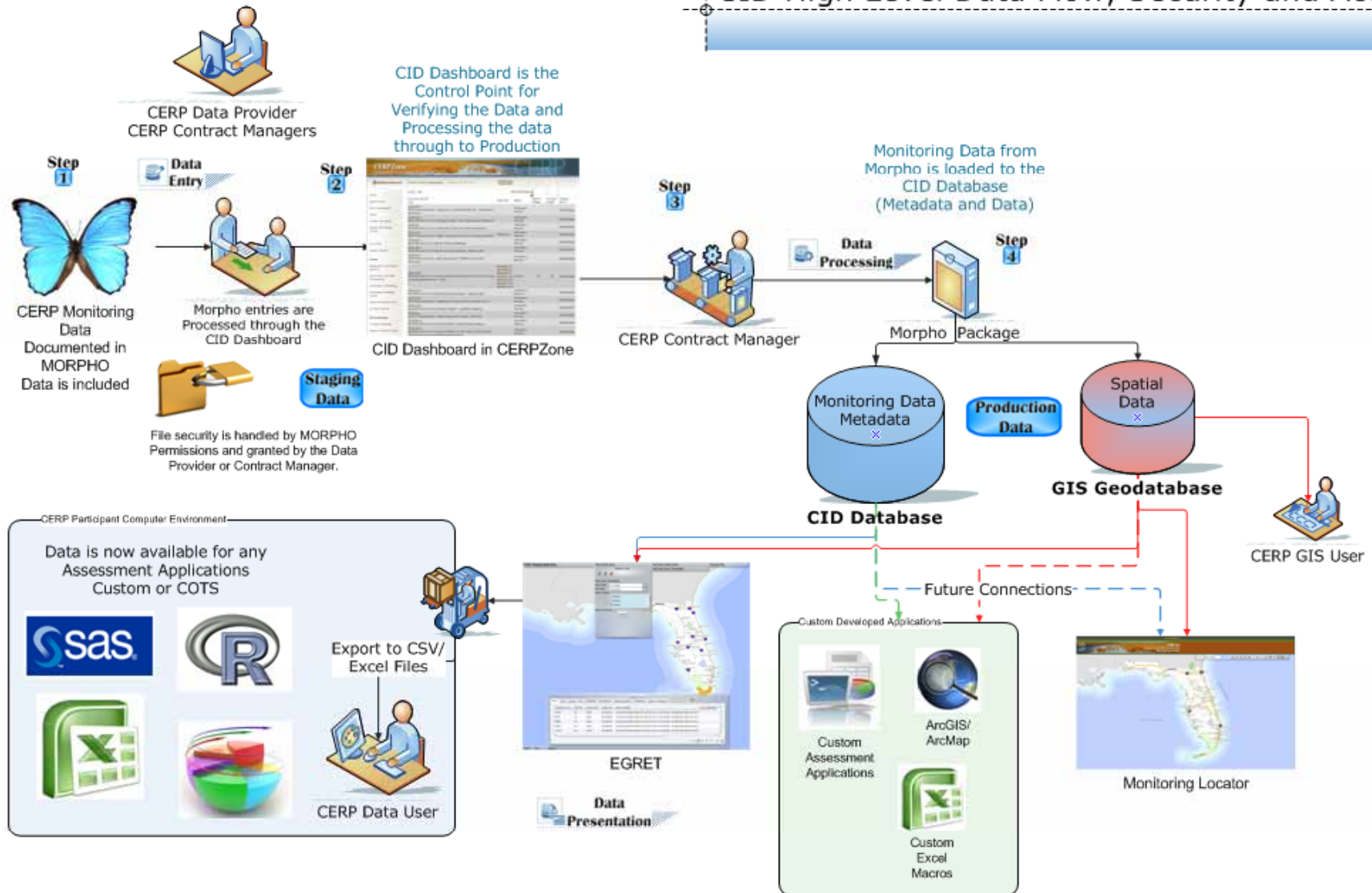
- Months were spent by several individuals to locate and collate needed data for the System Status Report
- Realization that besides RECOVER – other projects were likely not taking advantage of additional information gathered by associated projects or programs; mostly because of not knowing it is there
- Loss of efficiency in performing seemingly easy assessments of the projects and program and consequently, timely application of adaptive management

CERP Monitoring Data Storage Process

- Standardization of package data (Metadata, data files and site files)
- Version control of submissions – “Chain of Custody”
- File and Package level security is available on all data loaded
- Tracking and indexing of complete data inventory
- Single data access point for all CERP participating agencies
- Access is by type of data, searching across multiple studies – with spatial component
- Relational data storage for export to other processing applications
- Designed for Low Maintenance

CID High Level Data Flow, Security and Access

8/3/2011



Steps to Process Monitored Data into CID

1. Data Provider creates a Morpho package of metadata, data files and site files
2. The Contract manager reviews and verifies the deliverables based on the contract
3. The Contract / Data Manager modifies the status of the package to load into CID
4. Data is published to CID
5. Associated Monitoring Locations are loaded to the CERP GIS database
6. Data is available through the EGRET interface

MORPHO

The screenshot shows the Morpho application window. The title bar reads "Morpho" and the menu bar includes "File", "Edit", "Search", "Documentation", "Data", "Window", and "Help". The toolbar contains icons for file operations and a butterfly icon in the top right corner. The main content area has a blue background with a large butterfly graphic and the text "Welcome to Morpho!".

Current profile: hkostura
(cn=hkostura,o=morpho,dc=cerpzone,dc=org)
Change profile: hkostura
[Create a new profile...](#)

Network Status: LoggedIn
You are logged into the network, and may work with all files for which you have access privileges.
[Logout from network...](#)

Work with your data:
[Create a new data package...](#)
[Open an existing data package...](#)
[Search for an existing data package...](#)

System tray icons at the bottom right include a printer, a green checkmark, and a lock icon.

DASHBOARD

RCVR.15.3 CERP Picayune Strand - Conservancy of Southwest Florida - Groundwater Monitoring	FHAP 2005 files ORIG.xls FHAP SAV BIOMASS.csv FHAP SAV BLADEDATA.csv FHAP SAV BB.csv	Verification Pending			Modify/Detail
jesantan.144.6 MAP 3.2.3.3 - South Florida Fisheries Habitat Assessment Program (FHAP-SF)	fhap bbca 2005 ORIG.xls fhap bbca 2006 ORIG.xls fhap bbca 2007 ORIG.xls fhap bbca 2008 ORIG.xls fhap bbca 2009 ORIG.xls FHAP SITE.csv FHAP SWQ.csv	Verified	6		Modify/Detail
jesantan.155.11 RECOVER MAP 3.1.4.6 Crayfish Population Dynamics - Hydrological Influences (test subset)	CRAYFISH VOLIN SITE.csv CRAYFISH VOLIN PERIPHYTON.csv CRAYFISH VOLIN PLANT.csv CRAYFISH VOLIN WATERQ SURFACE.csv data winter07 rcvd072108 ORIG.xls CRAYFISH VOLIN INVERT.csv	Loaded	11	11	Modify/Detail
hkostura.40.7 RECOVER MAP 3.1.3.10 Trophic Level Secondary - Aquatic Fauna Regional Populations (Test Subset)	TREXLER LOX FISH08.csv FISH DRY EARLY 2008 ORIG.xls INVT DRY EARLY 2008 ORIG.xls TREXLER LOX INVERT08.csv TREXLER LOX SITE08.csv	Verification Pending	5	5	Modify/Detail
dmarley.7.3 RECOVER MAP 3.3.3.4 SAV Monitoring for Caloosahatchee Estuary		Verification Pending			Modify/Detail

EGRET

EGRET Mapping Application

Sites Spatial Query

Selection Tools



Sites Query Parameters

Start Date: 1/1/2000 15

End Date: 8/3/2011 15

Select Site(s)

228, Rankin 228
227, Rankin 227
271, Whipray 271

Select All Site(s)

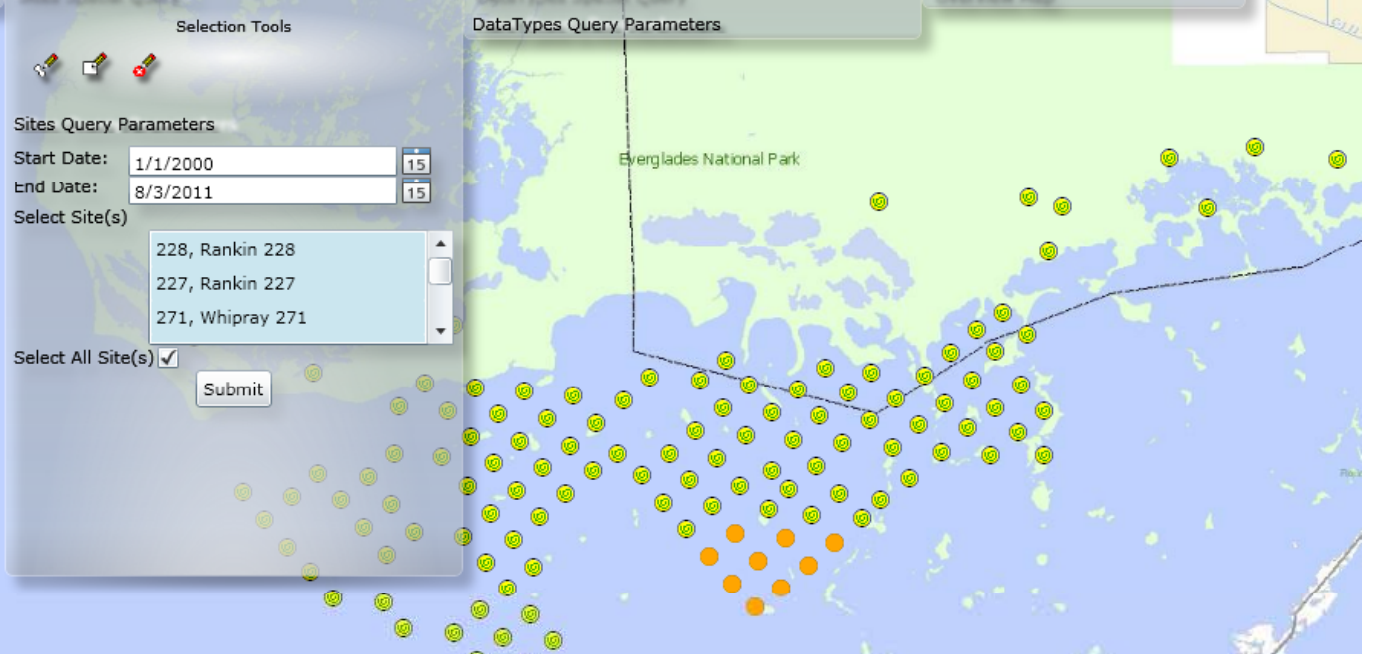
Submit

DataTypes Spatial Query

DataTypes Query Parameters

Overview Map

Q11 SP



Export To CSV

SITES FISH INVERTS INVERTS-OYSTERS SAV-BIOMASS SAV-BLADEDATA SAV-BRAUNBLANQ SAV-COVERAGE SURFACE WATER QUALITY

SAMPLE PT ID	SITE ID	STUDY ID	SUBTYPE	STUDY NAME
13414	227	45	Biological	RECOVER MAP 3.2.3.7 Juvenile Spotted Seatrout Monitoring in Florida Bay, Everglades National Pa
13415	228	45	Biological	RECOVER MAP 3.2.3.7 Juvenile Spotted Seatrout Monitoring in Florida Bay, Everglades National Pa
13416	229	45	Biological	RECOVER MAP 3.2.3.7 Juvenile Spotted Seatrout Monitoring in Florida Bay, Everglades National Pa
13421	242	45	Biological	RECOVER MAP 3.2.3.7 Juvenile Spotted Seatrout Monitoring in Florida Bay, Everglades National Pa
13422	243	45	Biological	RECOVER MAP 3.2.3.7 Juvenile Spotted Seatrout Monitoring in Florida Bay, Everglades National Pa

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Result

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