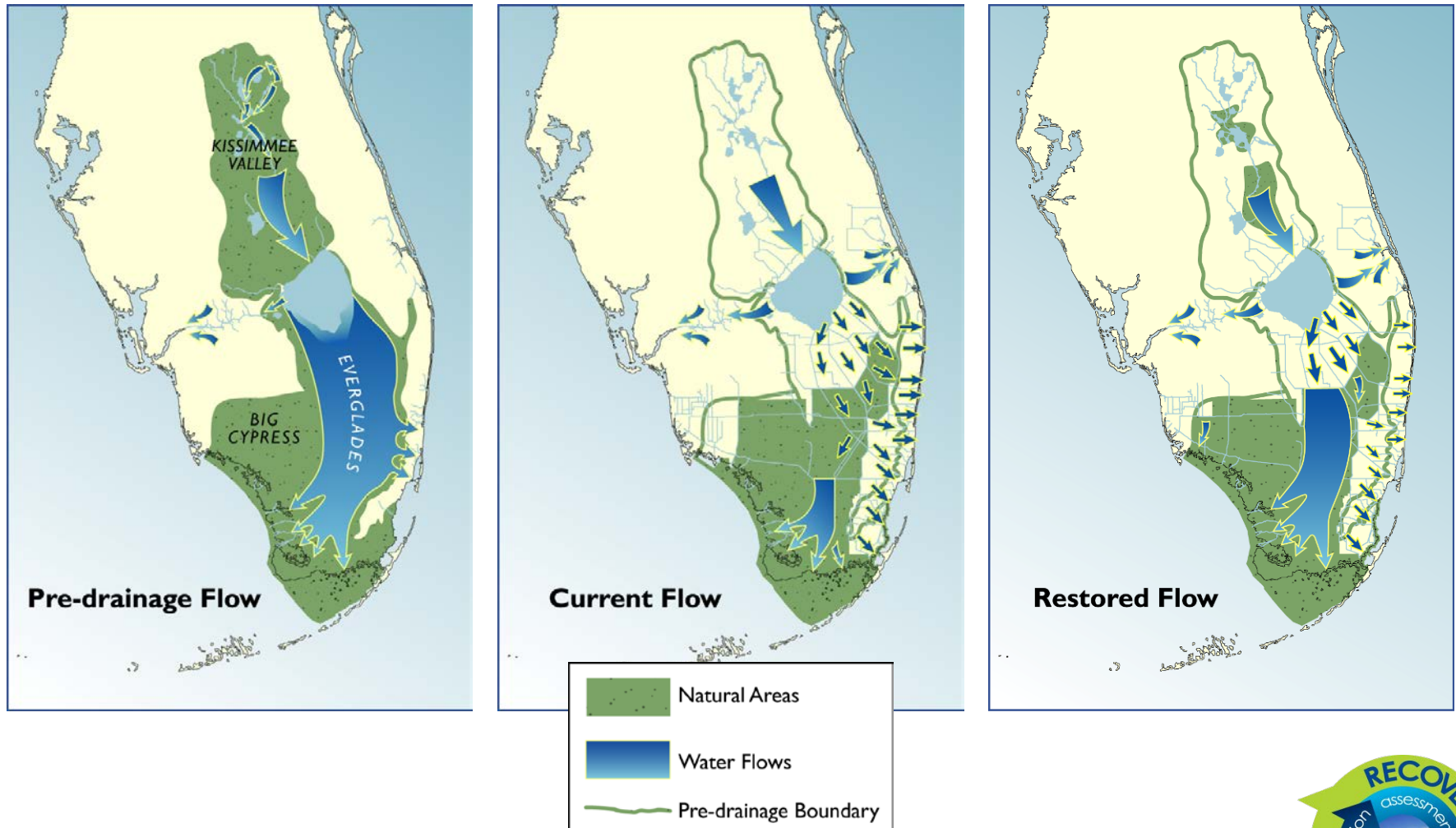




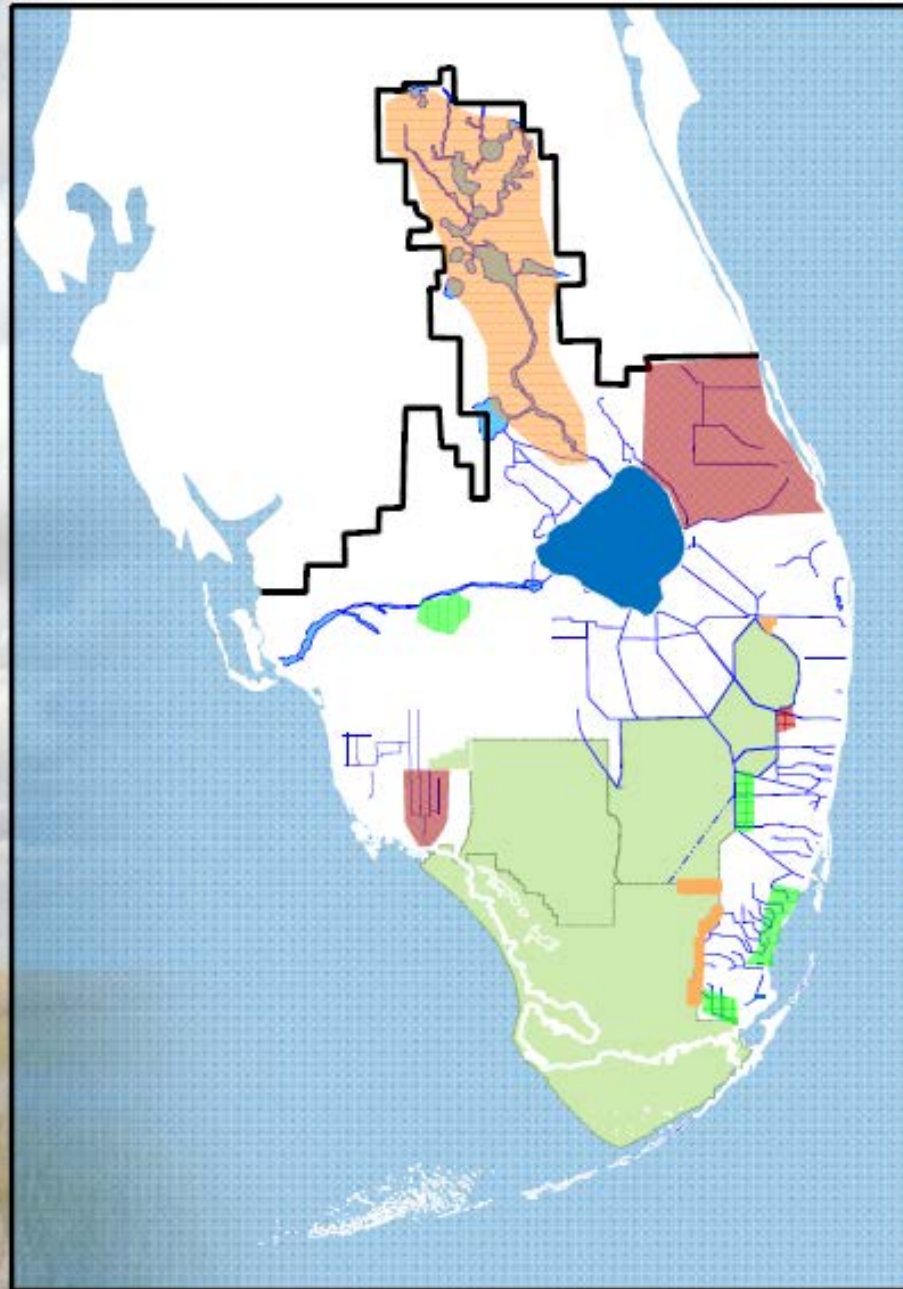
COMPREHENSIVE EVERGLADES RESTORATION PLAN (CERP) / SOUTH FL RESTORATION EFFORTS

Susan Kemp (US Army Corps of Engineers – Jacksonville District)
Florida Water Resource Monitoring Council - Statewide Council Meeting
February 21, 2012 Tampa, FL

Comprehensive Everglades Restoration Plan (CERP) Goal



CERP Implementation



Foundation Projects

- ▶ Kissimmee River
- ▶ C-111 South Dade
- ▶ C-51/STA-1E
- ▶ Modified Water Deliveries

1st Generation CERP

- ▶ Site 1 Impoundment
- ▶ IRL-South
- ▶ Picayune Strand

2nd Generation CERP

- ▶ C-43 Reservoir
- ▶ Broward County WPA
- ▶ C-111 Spreader Canal
- ▶ Biscayne Bay Coastal Wetlands

Comprehensive Everglades Restoration Plan



68 components to be implemented over 35 years including the following features:

 Surface Water Storage Reservoirs	 Removing Barriers to Sheetflow
 Aquifer Storage & Recovery	 Wastewater Reuse
 Stormwater Treatment Areas	 Operational Changes
 Seepage Management	

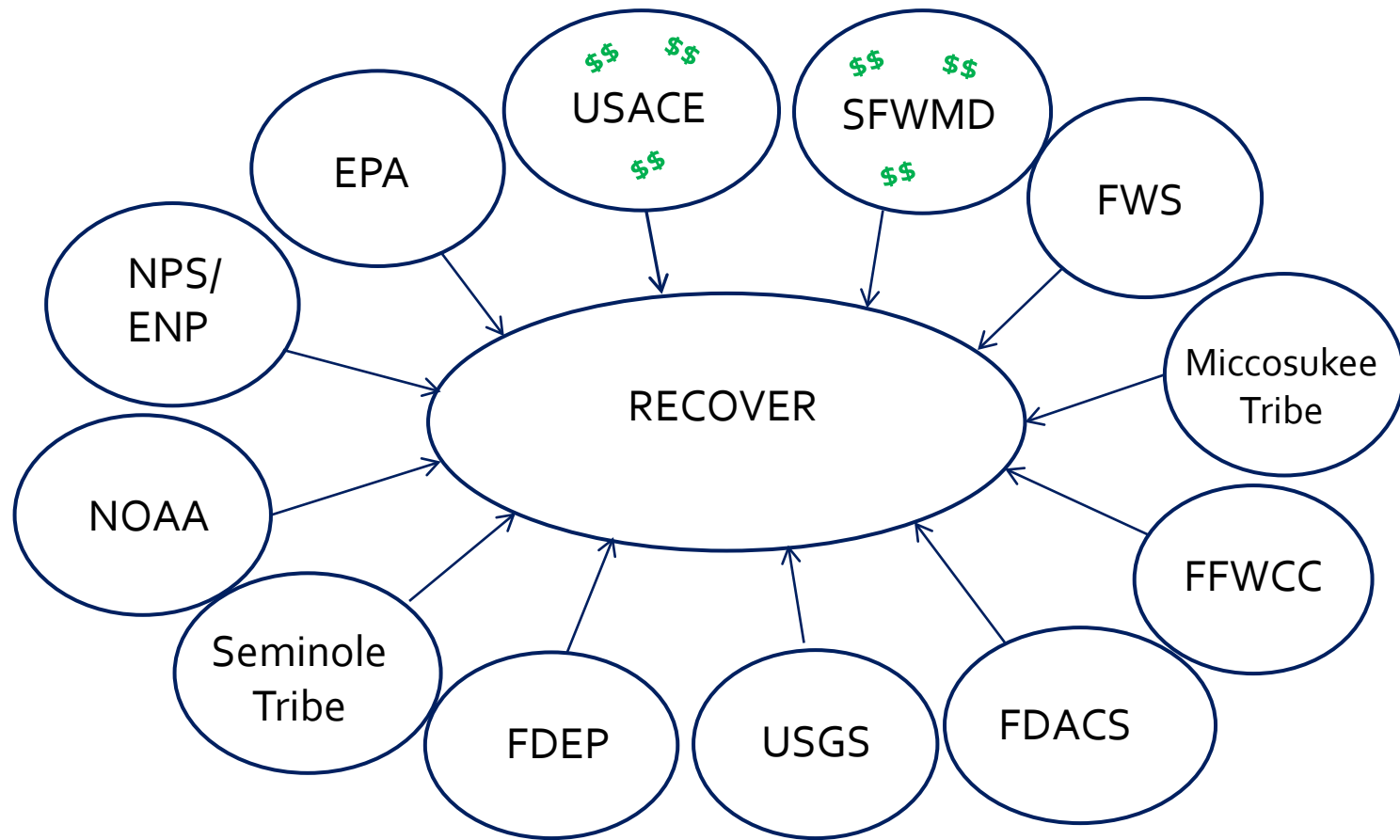


What is RECOVER?

- RECOVER - Restoration Coordination and Verification
- A multi-agency, multi-disciplinary team of scientists, modelers, planners & resource specialists
- Role – To organize, analyze and apply scientific and technical information in support achievement of **system-wide goals** of CERP
- Authorized in CERP Programmatic Regulations (33 CFR 385.20)
- Principles: Science-based, restoration focus, collaborative, accountability, adaptive management



Who is RECOVER?



Monitoring and Assessment Plan (MAP)

- Adaptive Assessment and Monitoring authorized by WRDA 2000 and Programmatic Regulations
- Original MAP Developed in 2004 - based on decades of science and the best information available at the time. Represented “what we knew about **how** the Everglades ecosystem worked.”
- Built upon existing monitoring and research to fill gaps necessary for successful ecosystem restoration
- Single, integrated plan used and supported by all agencies and tribes to track and measure restoration performance



2009 MAP Revisions

- Emphasized linkage between science and decision-making:
 - ▶ Identifies “**what**” and “**why**” ecosystem responses to CERP for effective decision-making
- Updated monitoring plan based on 5 years of monitoring; ensures utility and financial sustainability
- Addressed changing priorities (project delivery schedule)
- Incorporates project-level monitoring as projects are implemented



Monitoring components at a glance

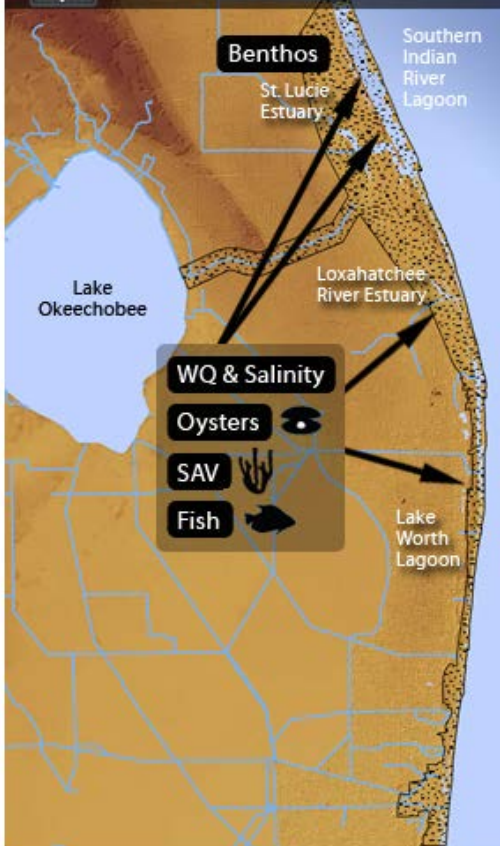
- Stage/flow
- Ground/surfacewater quality (nutrients, physical, etc.)
- Submerged aquatic vegetation
- Oysters
- Shrimp
- Estuarine/freshwater fish
- Birds
- Trophic-level integration
- Vegetation mapping (remote sensing, GRTS, transect)
- Landscape patterning (ridge/slough)
- Tree island dynamics (nutrient cycling, formation)
- Crocodiles/Alligators
- Sediment deposition



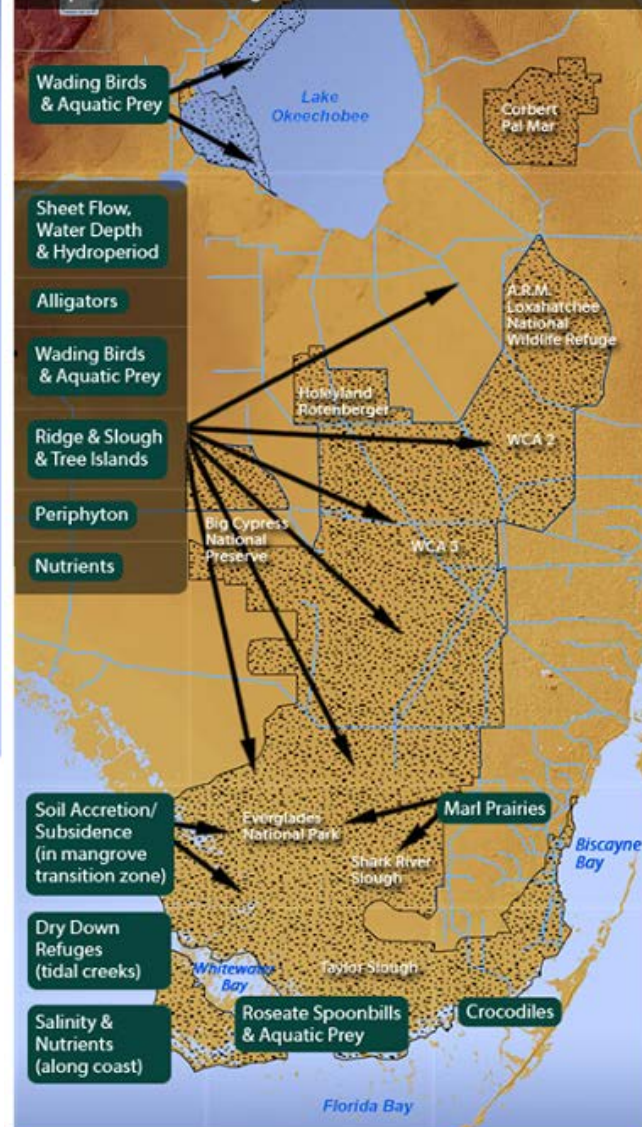
Map of Southern Coastal Systems



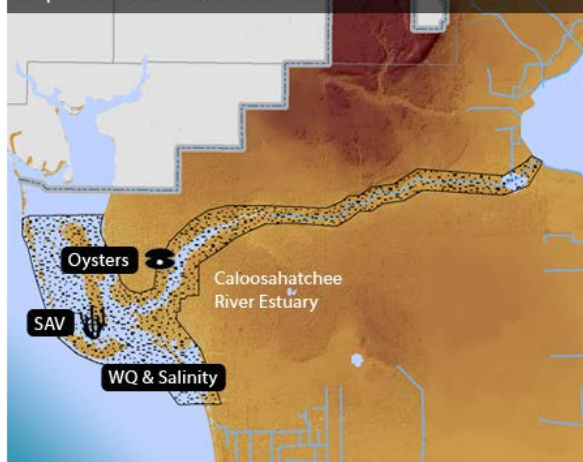
Map of Northern Estuaries East Coast



Map of Greater Everglades



Map of Northern Estuaries West Coast



System Status Report (SSR)

- Formal assessment of data generated from the RECOVER Monitoring and Assessment Plan (MAP)
- Status, condition, and trends of hydrological, water quality, and biological data critical to Everglades restoration
- Biennial assessment to establish pre-CERP reference conditions, and ultimately determine whether the goals and objectives of CERP are being met
- Address the overall status of the ecosystem relative to system level hypotheses, PMs, and restoration goals.



CERPZone

CERPZone.org Home - Windows Internet Explorer

https://www.cerpzone.org/Default.aspx

CERPZone.org Home

CERPZone

The Collaboration Tool for Everglades Restoration

 CERPZone Video Tour

Susan Kemp ([edit profile](#))

Tuesday, February 07, 2012

LOG OUT

Home

Help/Training

Send Us Feedback

Tasks

My Profile

Teams:

RECOVER

WCA Decomp

All Team Rooms

My Bookmarks:

Edit Bookmarks

CERP Calendar

View the CERP calendar for a list of all events - both public and internal.

CERP Directory

Search the CERP directory or view full directory list by agency.

Project Contact Directory

Contact information for Project Managers and Team Rooms.

CGM Contact Directory

Contact information for roles found in the CGM.

CERPZone Newsletters

Archive of past CERPZone Newsletters.

NEWS

26 Jan 2012
Upgrade to Access Information Panel in Morpho

13 Dec 2011
Instant Web Conference Meetings

21 Sep 2011
New Edition of CERPZone Newsletter is Available!

30 Mar 2011
New process for requesting EvergladesPlan.org Website Updates!!!

Business Applications



CITIF | [HELP](#)

CERP Information Technology Initiation Form



Citrix Applications

[DASR](#) | [HELP](#)

GIS Access Point

Data Access, Storage, and Retrieval for CERP, GIS, and IMC

Password Update (Non-Federal)



Documentum North | [HELP](#)

For optimal access to Jacksonville docbases



Documentum South | [HELP](#)

For optimal access to West Palm Beach docbases



EDCat Application | [HELP](#)

Electronic Data Catalog



EDCat (with Spatial Capability) | [HELP](#)

Electronic Data Catalog using MetaCarta



EGRET | [HELP](#)

Everglades Restoration Extraction Tool



Monitoring Data Templates

Links to templates for all data types

GIS Applications | [HELP](#)

Monitoring Locator

Find out what Monitoring Activities are happening in South Florida

CERP GIS Services Overview

What the CERP GIS Team can do

CERP GIS Request Form

GIS services request

CERP GIS Data Catalog

Catalog of available GIS layers

CERP MMS Application

Locate CERP projects and related models

EDEN Applications

Run EDEN Water surface tools from CITRIX

Map Library

Search and download maps

Upcoming Events

13 Feb 2012
Science and Coordination Group-sponsored Central Everglades Planning Project Public Workshop

14 Feb 2012
Science and Coordination Group-sponsored Central Everglades Planning Project Public Workshop

[view calendar](#)

https://nfuse.cerpzone.org/Citrix/XenApp/auth/login.aspx

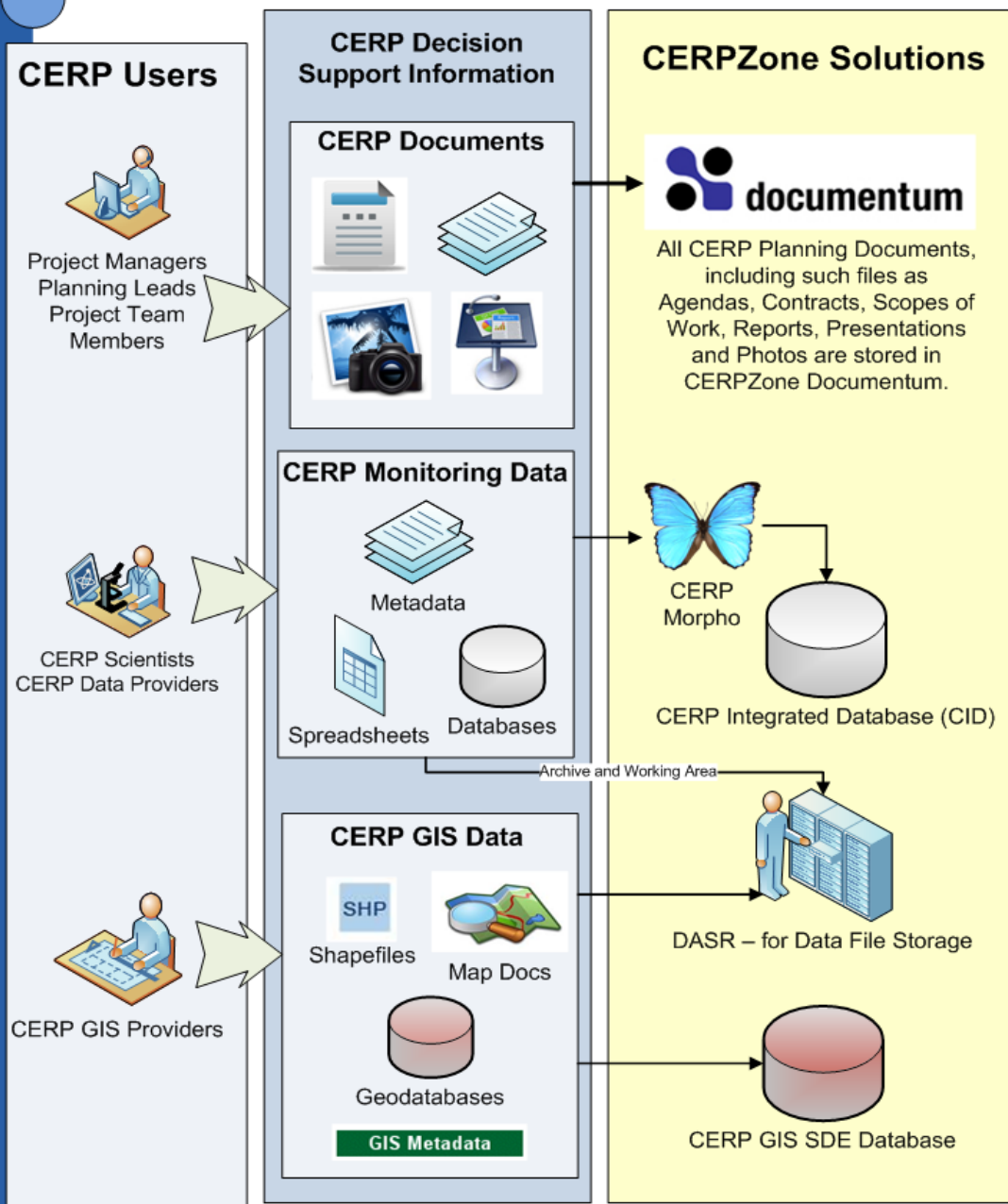
Trusted sites

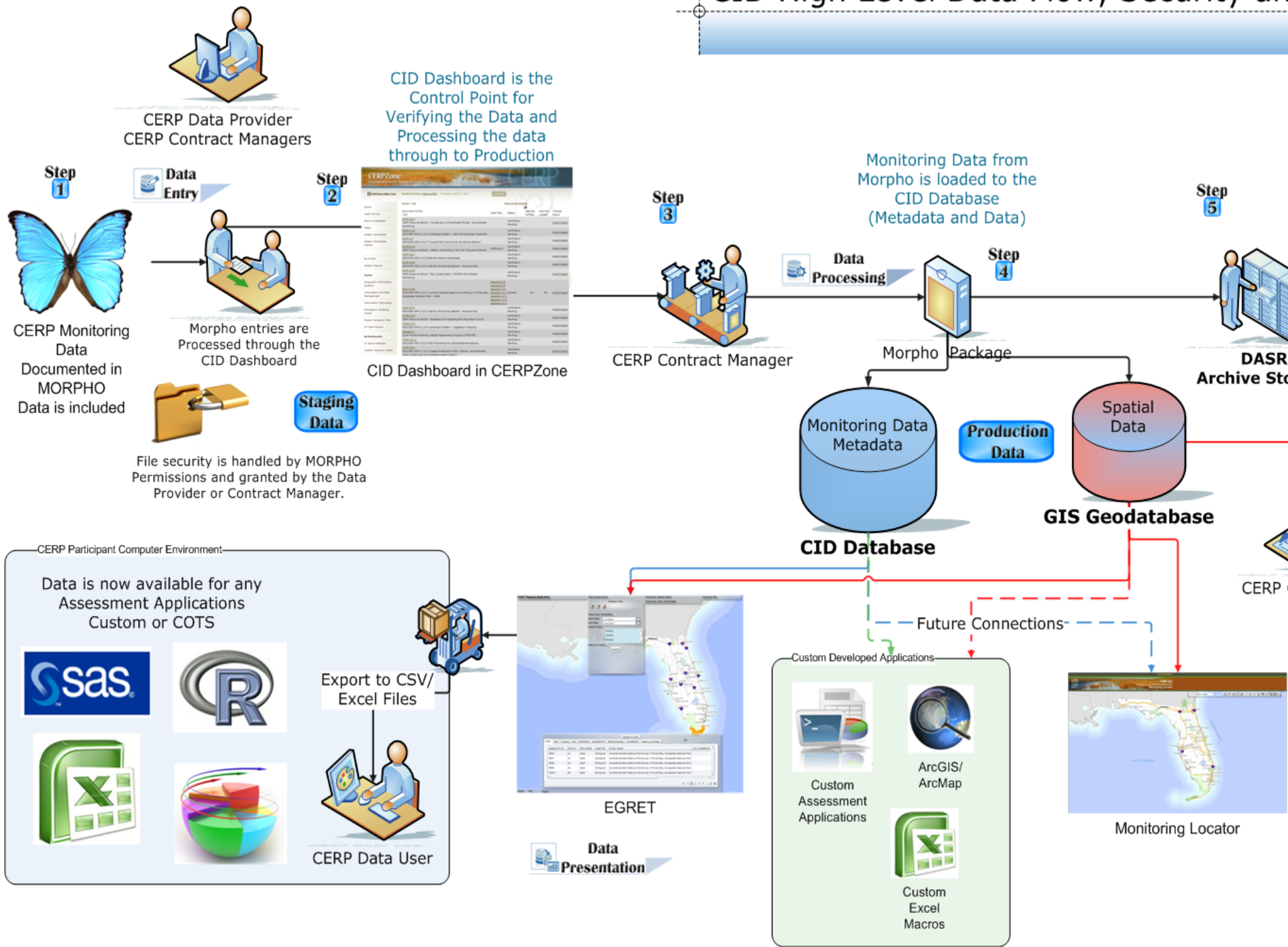
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Storing Data in the CERPZone





Questions?

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www.evergladesplan.org

