

CENTRAL EVERGLADES PLANNING PROJECT



Central Everglades Planning Project (CEPP)

Monitoring and Adaptive Management Plan

Introduction for the WG/SCG

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CENTRAL EVERGLADES

What is a Project's **Monitoring and Adaptive Management Plan**?

The **Monitoring and Adaptive Management Plan** is a combination of two required pieces of CERP Project Implementation Reports (PIRs):

1. The ***monitoring plan*** specifies the data collection, analysis, and reporting that will inform project performance.
2. The ***Adaptive Management Plan*** guides the use of the data to
 - Maximize project benefits while reducing project costs,
 - Help inform implementation sequencing of CEPP,
 - Determine if adjustments are needed in project implementation to improve performance.

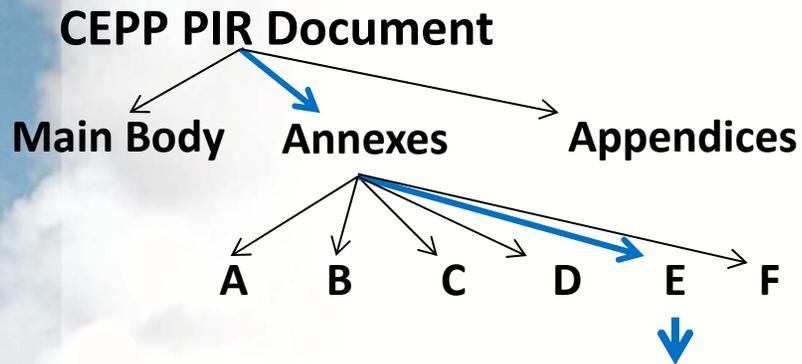


Figure 1. Location of the Monitoring and Adaptive Management Plan in the CEPP PIR document.

Annex E: Monitoring and Adaptive Management Plan.

Introduction

Part 1: Adaptive Management Plan (AM Plan). Will include AM-relevant uncertainties, strategies, and recommendations. Will refer to other monitoring where possible.

Part 2: Hydrometeorological Monitoring

Part 3: Water Quality Monitoring

Part 4: Ecological Monitoring

Part 5: Nuisance and Exotic Vegetation Control Plan

Parts 1-5 are typical sections for CERP monitoring, although sometimes provided in separate annexes.

How does the AM Plan relate to the rest of the Monitoring Plan?

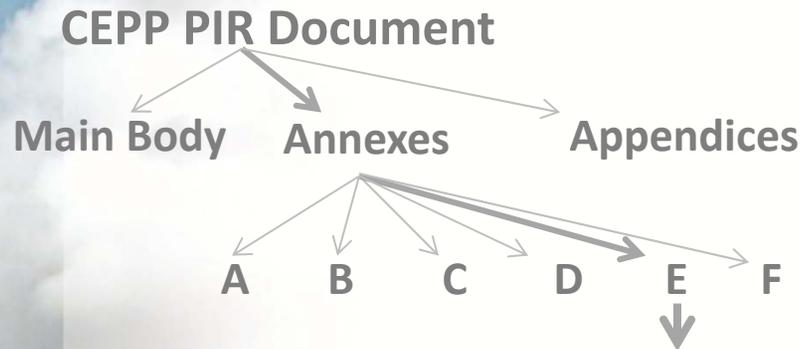


Figure 2. Relationship between the CEPP Adaptive Management Plan and Monitoring (linkages highlighted in purple).

Annex E: Monitoring and Adaptive Management Plan.

Introduction

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Part 2: Hydrometeorological Monitoring

Part 3: Water Quality Monitoring

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How does the AM Plan relate to the rest of the Monitoring Plan?

Figure 3. Relationship between the CEPP AM Plan and Monitoring, and sample subheadings.

The headings here match the previous slide. Detail is added in the subheadings.

This organization of subheadings is a suggestion and will be further vetted.

Annex E: Monitoring and Adaptive Management Plan.

Part 1: Adaptive Management Plan

1.1 Introduction(stakeholder engagement, CEPP goals,...)

1.2 Key Uncertainties and Strategies

1.2.1 North of Redline Uncertainties and Strategies

1.1.1.1 Uncertainty:

Strategy

Monitoring and threshold (refer to relevant monitoring plan sections)

1.2.2 South of Redline Uncertainties and Strategies...

1.2.3 Greenline Uncertainties and Strategies...

1.2.4 Blueline Uncertainties and Strategies...

1.2.5 Yellowline Uncertainties and Strategies...

1.3 Management Options

1.3.1...

Part 2: Hydrometeorological Monitoring

1.1 Introduction

1.2 Example Monitoring 1: To monitor parameter x, stage data will be collected from the following gauges..*

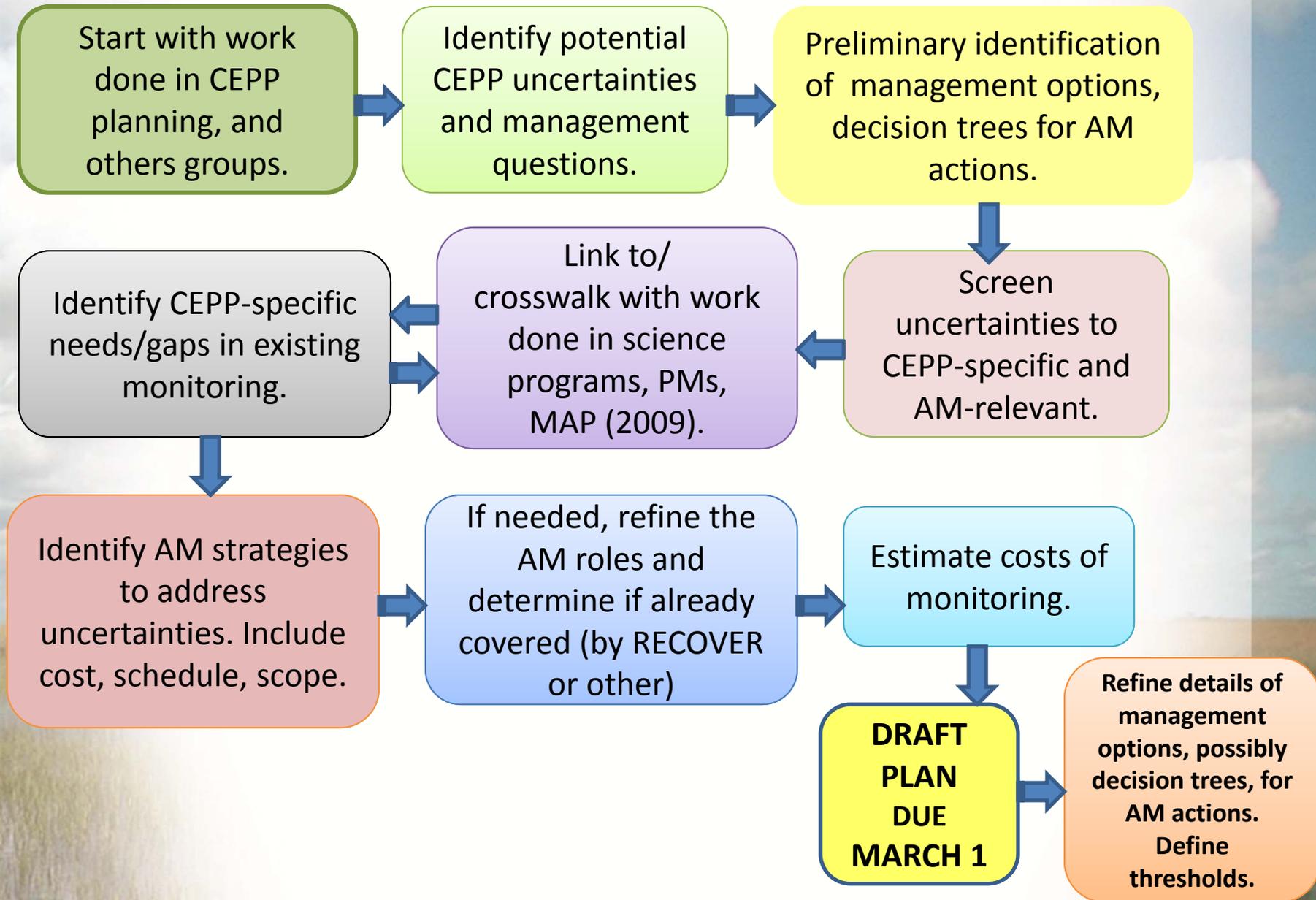
**See Part 1 Section 1.2.1 for AM use of this data.*

Part 3: Water Quality Monitoring

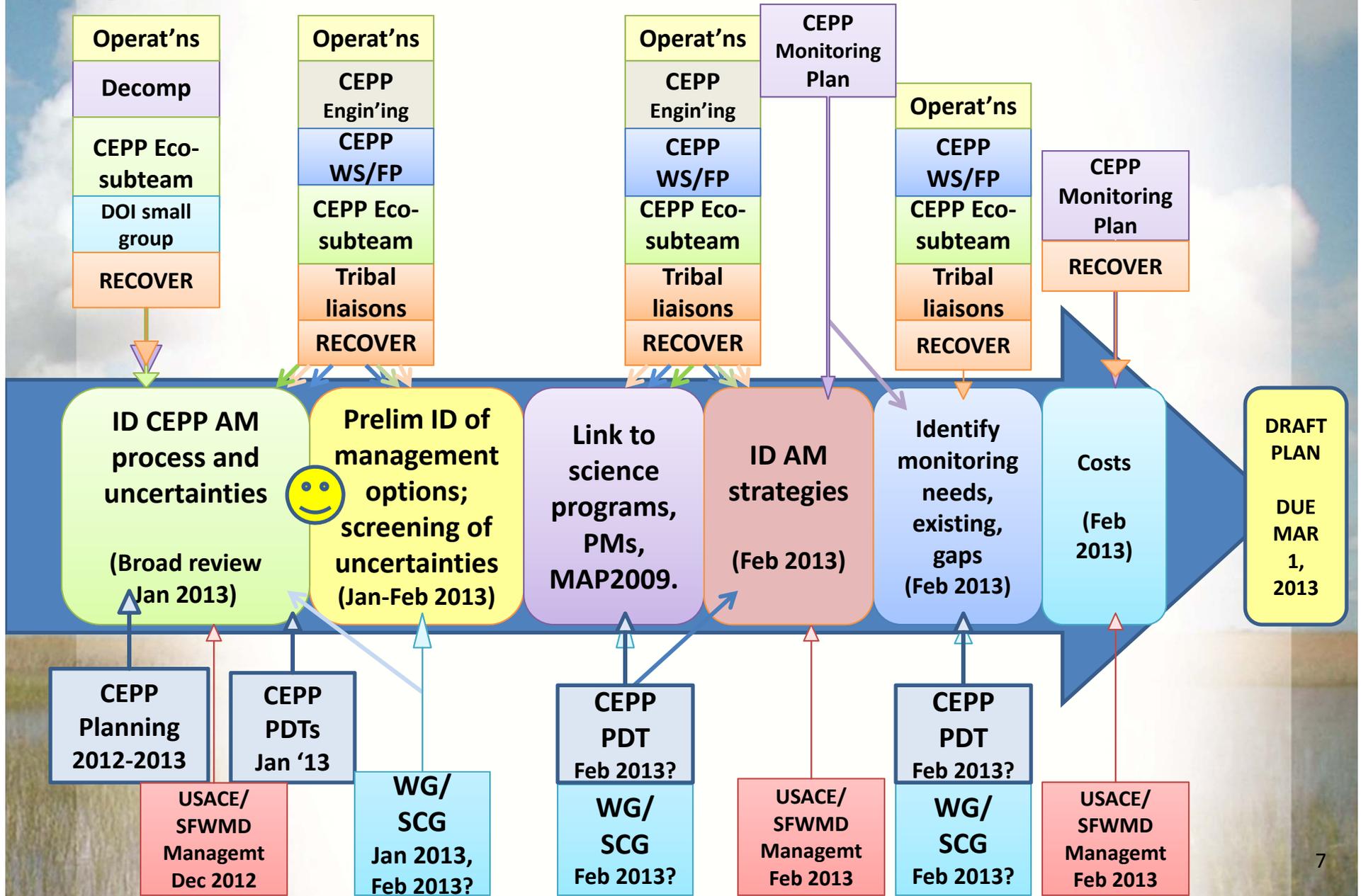
3.1...

Part 4: Ecological Monitoring

Process for AM Plan Development



Proposed Team Interactions for AM Plan Development



Schedule for Monitoring and AM Plan Development

December 2012:

- ✓ Convened AM core working team.
- ✓ Confirmed process for AM Plan development.
- ✓ "Strawman" AM products: key AM-relevant uncertainties and screening criteria.
- ✓ Parallel process: Other sections of Monitoring plan initiated.

January 2013:

- ✓ Review of "strawman" uncertainties and screening criteria.
- ✓ Coordination with several interested groups.
- ✓ Preliminary screening, identification of management options and AM strategies.
- ✓ Other parts of the monitoring plan in progress.

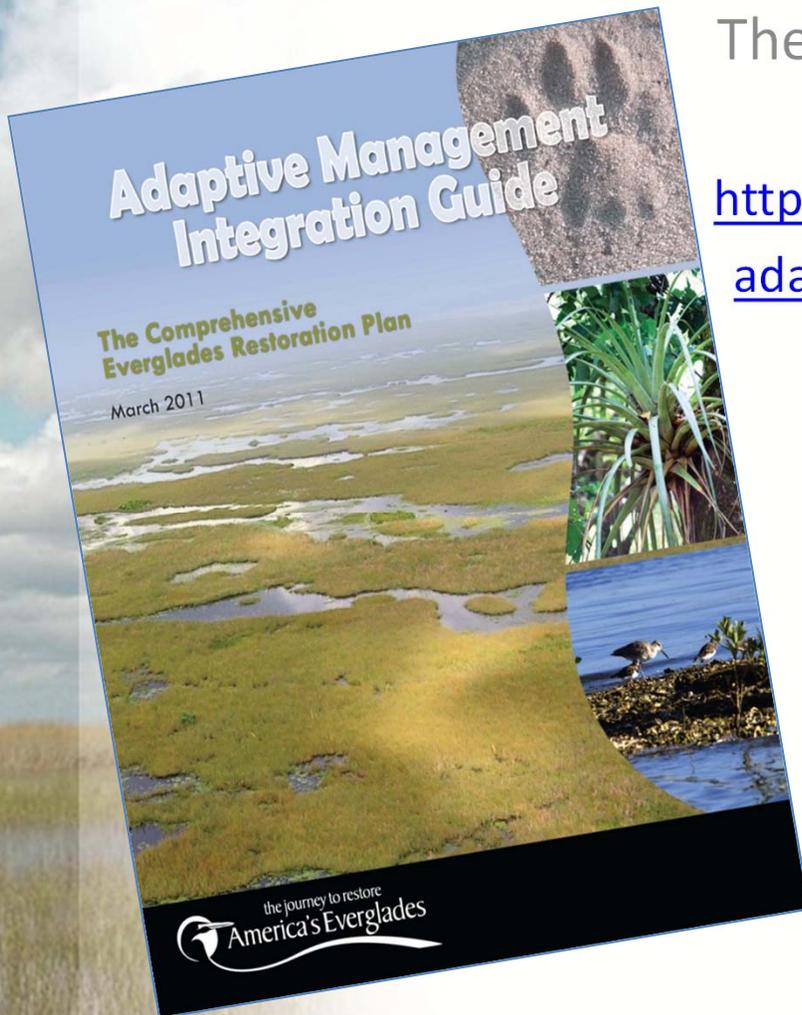
February 2013:

- Screen and finalize AM items to include in the AM Plan.
- Coordinate with other groups, experts, and other monitoring.
- Identify AM strategies, decision trees, and plan for AM execution.
- Present costs.

March 1, 2013: Monitoring and Adaptive Management Plan Deadline

Reviews of Project Implementation Report (PIR) draft begin March 4, 2013.

Learn more about Adaptive Management in CERP



The Adaptive Management Integration
Guide

[http://www.evergladesplan.org/pm/pm_docs/
adaptive_mgmt/062811_am_guide_final.pdf](http://www.evergladesplan.org/pm/pm_docs/adaptive_mgmt/062811_am_guide_final.pdf)