NATIONAL ACADEMIES Sciences Engineering Medicine

Committee on Independent Scientific Review of Everglades Restoration Progress

Public subgroup meeting of CISRERP 2026 Biennial Review
December 17, 2025
Zoom link: https://nasem.zoom.us/j/97713704109

DRAFT AGENDA

Wednesday, December 17
OPEN SESSION (all welcome)
This is a 3-hour open meeting to discuss CERP data management with the following objectives:

1. Understand how data are currently managed and analyzed in CERP programs (strengths and gaps).
2. Learn from other large ecosystem programs with strong data management.
3. Explore pathways for evolving CERP's data system to better support adaptive management and scientific review.

9:30 am **Welcome** (*5 min*)

Margaret Gitau, committee chair

Current state of CERP data management

9:35 am **Introduction to CERP data management**

- Current guidance and requirements for data management in CERP (~5 min)
- How requirements are implemented in practice (~20 min)
  - How are the requirements communicated and what mechanisms ensure compliance?
  - What systems or platforms are used to store, catalog, and share data and metadata, from major agencies to RECOVER PIs?
  - How accessible are CERP datasets (and metadata) to collaborators outside the originating project or agency?
  - What challenges have emerged in implementing data standards across multiple agencies and contractors?

Nolan Lacy, USACE
Darlene Marley, SFWMD
Manohardeep Josan, SFWMD
Julianne LaRock, SFWMD
Phyllis Klarmann, SFWMD

10:00 am **Other users perspectives** (5 min ea)
Key questions for speakers:

- From your perspective, how well do current CERP data systems support your needs for data access, integration, and analysis?
  - How accessible and usable are CERP datasets (and metadata) to collaborators outside the originating project or agency?

        - What kinds of data are easiest or hardest to locate, interpret, or use?
    - (*if time allows*) What improvements would most enhance your ability to use CERP data?

Stephanie Romanach, USGS
Erik Stabenau, Everglades Foundation
Kelly McCaffrey, NPS

10:15 am Q&A

External perspectives for data management

10:35 am **Chesapeake Bay Program Data Management**

- What data management framework or system supports your restoration program, and what were the key design principles behind it?
- How is data discoverability, interoperability, and long-term accessibility ensured?
- How do you balance open access with quality control, privacy, or proprietary considerations?
- What design principles and governance or institutional structures support synthesis across data types/scales and use of advanced analytical/visualization strategies among multiple data contributors?
- Who is responsible for data management in your program?
- What lessons have you learned from implementing and sustaining your data system (e.g., funding, staffing, training)?
- How do you measure success or effectiveness in your data management approach?
- Based on your experience, what aspects of your system might be most transferable or relevant to CERP?

John Wolf, USGS
Andy Fitch, USGS

10:50 am **Gulf Restoration**

- What data management framework or system supports your restoration program, and what were the key design principles behind it?
- How is data discoverability, interoperability, and long-term accessibility ensured?
- How do you balance open access with quality control, privacy, or proprietary considerations?
- What design principles and governance or institutional structures support synthesis across data types/scales and use of advanced analytical/visualization strategies among multiple data contributors?
- Who is responsible for data management in your program?
- What lessons have you learned from implementing and sustaining your data system (e.g., funding, staffing, training)?
- How do you measure success or effectiveness in your data management approach?
- Based on your experience, what aspects of your system might be most transferable or relevant to CERP?

Jim Gibeaut, Harte Research Institute (invited)
Greg Steyer, emeritus USGS (invited)

11:05 am **Q+A**

11:20 am **Break**

Panel discussion

11:30 am **Discussion with all speakers: opportunities for data management to support analysis, synthesis, and communication**

Potential questions:

- What are the main barriers preventing CERP data from being more easily shared, integrated, or analyzed, and how might these be addressed?
    - What specific actions (short-term or long-term) could help modernize or streamline CERP data infrastructure?
    - What governance or policy changes might be necessary to support these improvements?
- How could improved data management systems better support synthesis and communication of CERP progress to decision-makers and the public?
- How could lessons from other restoration programs or federal initiatives be adapted to the CERP context?
- How might CERP leverage emerging tools (e.g., cloud data platforms, APIs, metadata catalogs, visualization dashboards)?

12:30 pm **Adjourn**