

# National Science Foundation (NSF) Advisory Committee for Cyberinfrastructure (ACCI)

Fall (HYBRID) Meeting, September 12-13, 2024

Meeting Minutes

Day 1 (September 12, 2024)

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## ACCI Welcome, Committee Introductions, and Review of Agenda

Ruth Marinshaw and Hakizumwami Biralirunsha, ACCI Co-Chairs

Ruth Marinshaw, ACCI Co-chair, began the Spring 2024 ACCI meeting by greeting everyone on behalf of the co-chairs and ACCI members. Ruth reviewed the agenda and administrative items for participants.

Members in attendance are listed in the minutes in the Appendix.

## Updates from the Office of Advanced Cyberinfrastructure (OAC)

Katerina Antypas, Office Director, OAC

Ruth Marinshaw introduced OAC Office Director Katie Antypas. Katie provided an update on OAC awards including Strengthening the Cyberinfrastructure Professionals Ecosystem (SCIPE), National Deep Inference Fabric (NDIF), and the Leadership Class Computing Facility (LCCF). There was a discussion regarding metrics and usage in respect to OAC programs

Amy Walton provided an update on the National Discovery Cloud for Climate (NDC-C).

Katie continued with an update on the National AI Research Resource (NAIRR) Pilot. A discussion regarding facilitating partnerships in emerging communities followed.

## Updates from the Computer & Information Sharing & Engineering (CISE) Directorate

Gregory Hager, Assistant Director, CISE

Ruth introduced CISE Assistant Director Gregory Hager. Gregory provided an overview of the CISE Directorate, a vision for computing, resilient and reliable systems, Formal Methods in the Field (FMitF), National Strategic Computing Reserve (NSCR), and the NSF budget status.

A discussion regarding interagency opportunities, artificial intelligence, quantum computing, international partnerships, underserved and under-resourced communities, and data bias.



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## Open Discussion with OAC and CISE Management

ACCI Members, NSF Staff

There was a discussion on broadening participation in computing alliances, growing artificial intelligence institutes around the country, shaping societal impacts, and embracing reliability in systems.

## Update on Cyberinfrastructure for Sustained Scientific Innovation (CSSI)

Varun Chandola, Program Director, OAC

Varun Chandola presented an overview of CSSI program and recent awards made by CSSI. A conversation regarding sustainable projects followed.

## Session with the NSF Directorates

ACCI Members, NSF Staff, NAIRR Pilot Subcommittee Co-chairs

The session began with an introduction by Birali, followed by introductions of the NSF Assistant Directors. Conversation topics included how the NSF Directorates respond to artificial intelligence resources, potential plans for leveraging the NAIRR, cyberinfrastructure challenges, and emerging areas of focus.

## OAC Updates on Tracking Outcomes

Amy Walton, Rediet Woldeselassie, Sonam Ahluwalia

Birali introduced Amy Walton, Rediet Woldeselassie, and Sonam Ahluwalia. Amy continued by outlining the recommendations from the most recent Committee of Visitors (COV) report. Sonam discussed OAC's current progress on the COV recommendations and lessons learned. A conversation regarding how to find and reuse materials for educational purposes followed and identifying metadata for analysis.

## Final Thoughts and Adjourn for the Day

Birali concluded the day by reflecting on the day's topics with ACCI members and reviewing the agenda for Day 2.

Day 2 (September 13, 2024)

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## ACCI Welcome and Review of Agenda

Ruth Marinshaw and Hakizumwami Birali Runesha, ACCI Co-Chairs

Birali began the Day 2 of the meeting with a review of the agenda and administrative reminders for the ACCI members.

## Update from NAIRR Pilot Subcommittee

Tilak Agerwala and Roscoe Giles (NAIRR Pilot Subcommittee Co-Chairs), ACCI Members

Roscoe Giles began with member introductions followed by an overview of the subcommittee's activities, four potential focus areas, and concluded with an open discussion between ACCI members and subcommittee members. There was a short discussion on the benefit of an interagency panel to bring in knowledge on other programs and perspectives connected to NAIRR activity.

## Session with the Office of the Director

Sethuraman Panchanathan (Director, NSF), ACCI Members

NSF Director Panchanathan highlighted how the NSF supports and complements the growing number of state and regional computing, data, and AI-related consortium initiatives. Director Panchanathan expanded on these topics by discussing the NAIRR and other NSF infrastructure funding efforts. He concluded by discussing ways the NAIRR Pilot Subcommittee could support the buildup of the NAIRR and its resources in a timely and effective way.

## Fall Meeting Reflections and Farewell to Departing ACCI Members

ACCI Members

Ruth Marinshaw began the final session with acknowledging the three departing members: Romie Amaro, Patrick Heimbach, and Valerie Taylor. The members made farewell remarks to the ACCI. Ruth continued by asking members for feedback for the Spring 2025 meeting.

The meeting concluded at 2:11PM EDT.

## APPENDIX 1: Members in attendance

Patrick Heimbach
Deborah Dent
Susan Gregurick
Ruth Marinshaw
Valerie Taylor
Rommie Amaro
Hakizumwami Runesha
Anita Nikolich
David Lassner
Claire Porter
Willie Pearson
Ryan Abernathey
Peter Mattson
Samual Graham
Ann Gates
Andrew Chien
Julia Lane

## APPENDIX 2: NSF Attendees

<b>NSF Staff</b>	<b>Title</b>
Sethuraman Panchanathan	Director/NSF
Brian Stone	Chief of Staff/NSF
Susan Marqusee	Assistant Director/BIO
Gregory Hager	Assistant Director/CISE
James Moore	Assistant Director/EDU
Susan Margulies	Assistant Director/ENG
Timothy Patten	Deputy Assistant Director/GEO
Tie Luo	Deputy Assistant Director/MPS
Evan Heit	Acting Deputy Assistant Director/SBE
Erwin Gianchandani	Assistant Director/TIP
Katie Antypas	Office Head/OAC
Amy Walton	Deputy Office Director/OAC
Christine Christy	Project Manager/OAC
Amy Apon	Program Director/OAC
Bill Miller	Senior Advisor/OAC
Al Suarez	Program Director/OAC
Jen Li	Program Director/OAC
Sheikh Gafoor	Program Director/OAC
Wen-Wen Tung	Program Director/OAC
Marlon Pierce	Program Director/OAC
Varun Chandola	Program Director/OAC
Andrey Kanaev	Program Director/OAC
Sylvia Spengler	Program Director/IIS
Rediet Woldelessie	Data Scientist/OAC
Sonam Ahluwalia	Program Analyst/OAC