

# Mid-scale Research Infrastructure Project Management Panel Discussion

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# Research Infrastructure Office

*RIO supports the research directorates in the development, implementation, and oversight of research infrastructure (RI), including Mid-scale and Major Facilities.*

- Develop policies and procedures
- Promote project management practices
- Share lessons learned for RI supported by NSF



# Congressional Definition of Mid-scale RI

2017 American Innovation and Competitiveness Act (AICA); Section 109 (Section 1.4.4 of the RIG):

*A mid-scale project means **research instrumentation, equipment, and upgrades to major research facilities** or other research infrastructure investments that **exceeds the maximum funded by the Major Research Instrumentation program (MRI)** and are **below that of a major multi-user research facility project (Major Facility)**.*

MRI upper limit = **\$4M** (per NSF solicitation)

To

Major Facility lower threshold = **\$100M** (Regardless of funding account, 2021 NDAA)



# Mid-scale RI Project Management Webinars

NSF 3-part Webinar Series on Mid-Scale RI Project Management.

<https://researchinfrastructureoutreach.com/2023-webinar-series/>

## Part I: Mid-scale Project Planning & Management

- Overview and key concepts of a PEP.
- Basic Project Management concepts for RI projects.
- Initial steps to develop a PEP for Mid-scale projects per NSF's RIG.
- Review the first two PEP components: Introduction and Organization.

## Part II: Mid-scale Project Development, Definition and Risk

- Key Design/Development and Project Definition elements of PEP.
- Project Definition (Baseline)
- Scope and WBS
- Quality Management
- Schedule and Milestones
- Budget and Basis of Estimate (BoE)
- Risk and Contingency Management.

## Part III: Mid-scale Project Performance Management

- Cover remaining PEP components.
- Performance management techniques that are efficient, scalable, tailorable, and satisfy NSF's statutory obligations for managing and oversight.



# NSF Resources

**NSF Research Infrastructure Outreach:**

<https://researchinfrastructureoutreach.com/>

**Webinar Series (3-part) on Mid-Scale RI Project Management:**

<https://researchinfrastructureoutreach.com/2023-webinar-series/>

**Research Infrastructure Outreach Knowledge Gateway:**

<https://researchinfrastructureoutreach.com/knowledge-gateway/>

**Communities of Interest (CoI):**

<https://researchinfrastructureoutreach.com/coi-portal/>



# Questions?

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