



Advanced Cyberinfrastructure Coordination Ecosystem: Services & Support (ACCESS) Program NSF 21-555 & NSF 21-556

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NSF 21-555: <http://go.usa.gov/xsT4W>

NSF 21-556: <http://go.usa.gov/xsT4k>



Webinar Activities

- Set context for the ACCESS program
- Describe the ACCESS Program and objectives
- Detail Solicitations NSF 21-555 and NSF 21-556
- Answer questions from potential proposers



NSF 21-555 URL: <http://go.usa.gov/xsT4W>

NSF 21-556 URL: <http://go.usa.gov/xsT4k>

Deadline: June 16, 2021

NSF Office of Advanced Cyberinfrastructure (OAC)

NSF's vision for a National Cyberinfrastructure Ecosystem for Science and Engineering in the 21st Century

An agile, integrated, robust, trustworthy and sustainable CI ecosystem that drives new thinking and transformative discoveries in all areas of S&E research and education.

Overarching principles:

- View CI more holistically
- Support translational research
- Balance innovation with stability
- Couple discovery and CI innovation cycle
- Improve usability

<http://go.usa.gov/xm8bU>



People,
and c



Dat
Infrastru



Co
Resources

Security Layers

Discovery

CI

NSF's vision for a National Cyberinfrastructure Ecosystem for Science and Engineering in the 21st Century

Community-informed blueprints provide implementation strategies for different elements of the CI ecosystem

Visioning /
Community
engagement

Blueprints

Solicitations



National Cyber- infrastructure Coordination Service Conference

June 27-18, 2019
Alexandria, VA

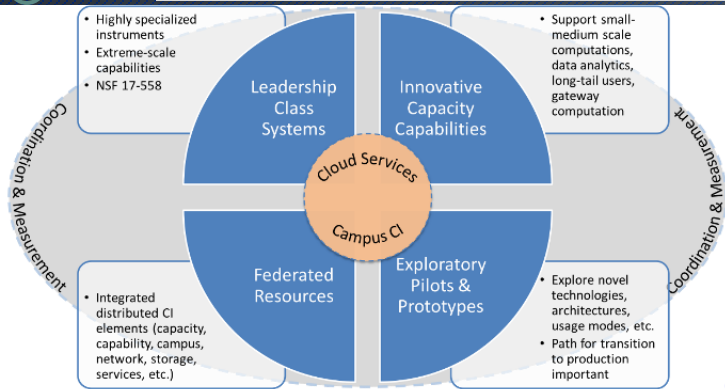


Goal: Rethink the nature, composition, and execution of NSF-supported national scale coordinated cyberinfrastructure services that are essential to 21st century science & engineering research and education

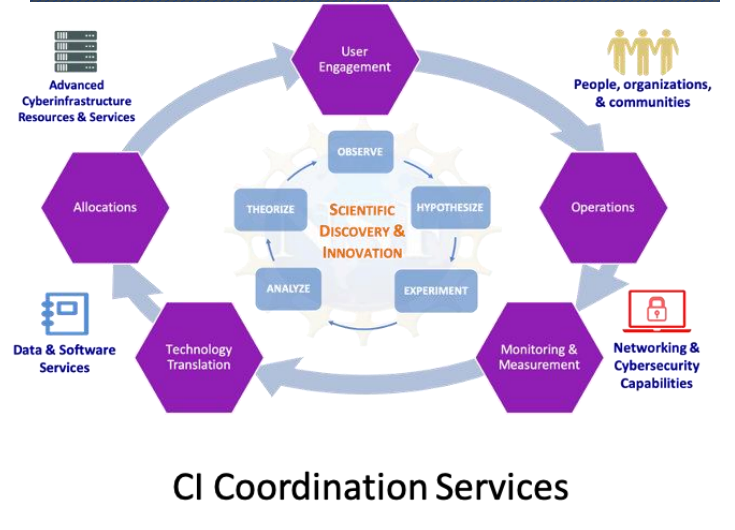
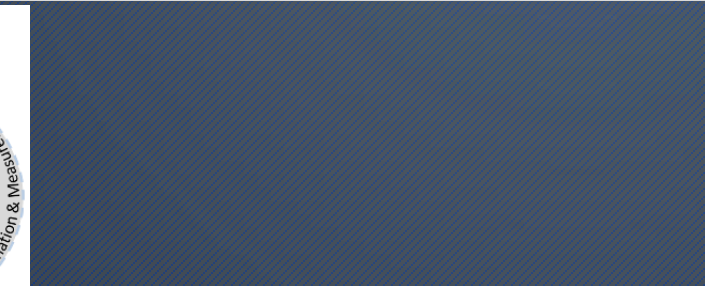
- Transforming Science
- It's an Ecosystem
- New Domains Served
- Spanning all Campuses
- Integrative Services
- Service and Resource Allocation

NSF's vision for a National Cyberinfrastructure Ecosystem for Science and Engineering in the 21st Century

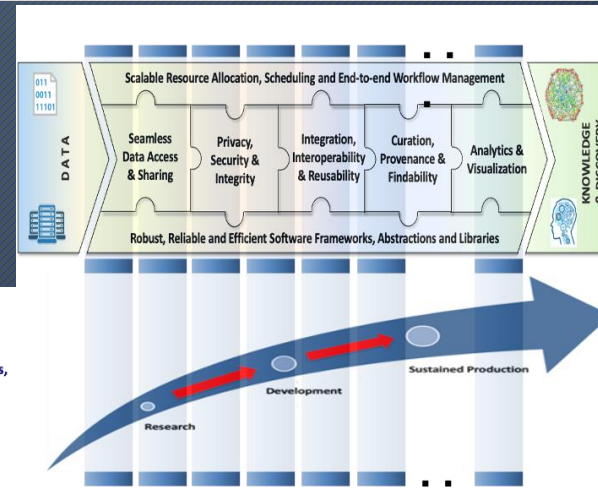
Community-informed blueprints provide implementation strategies for different elements of the CI ecosystem



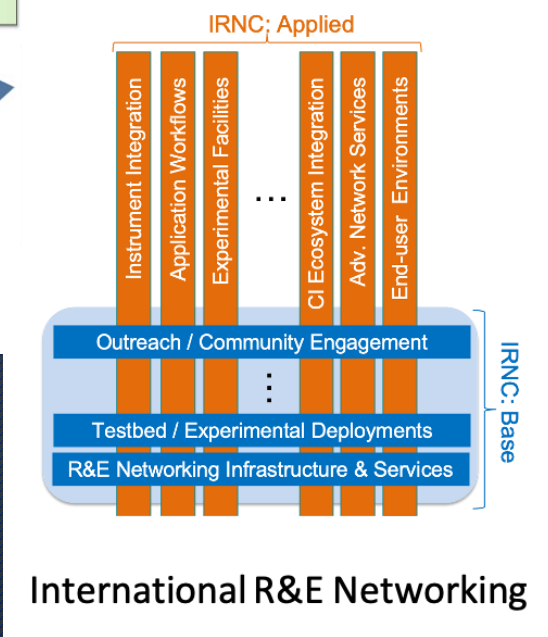
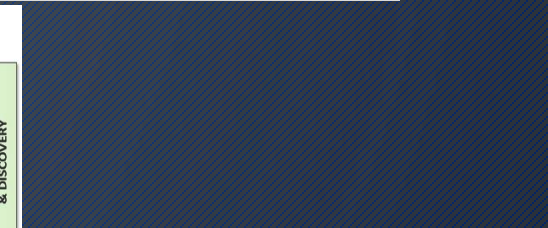
Computational Ecosystem



CI Coordination Services



Software & Data Cyberinfrastructure



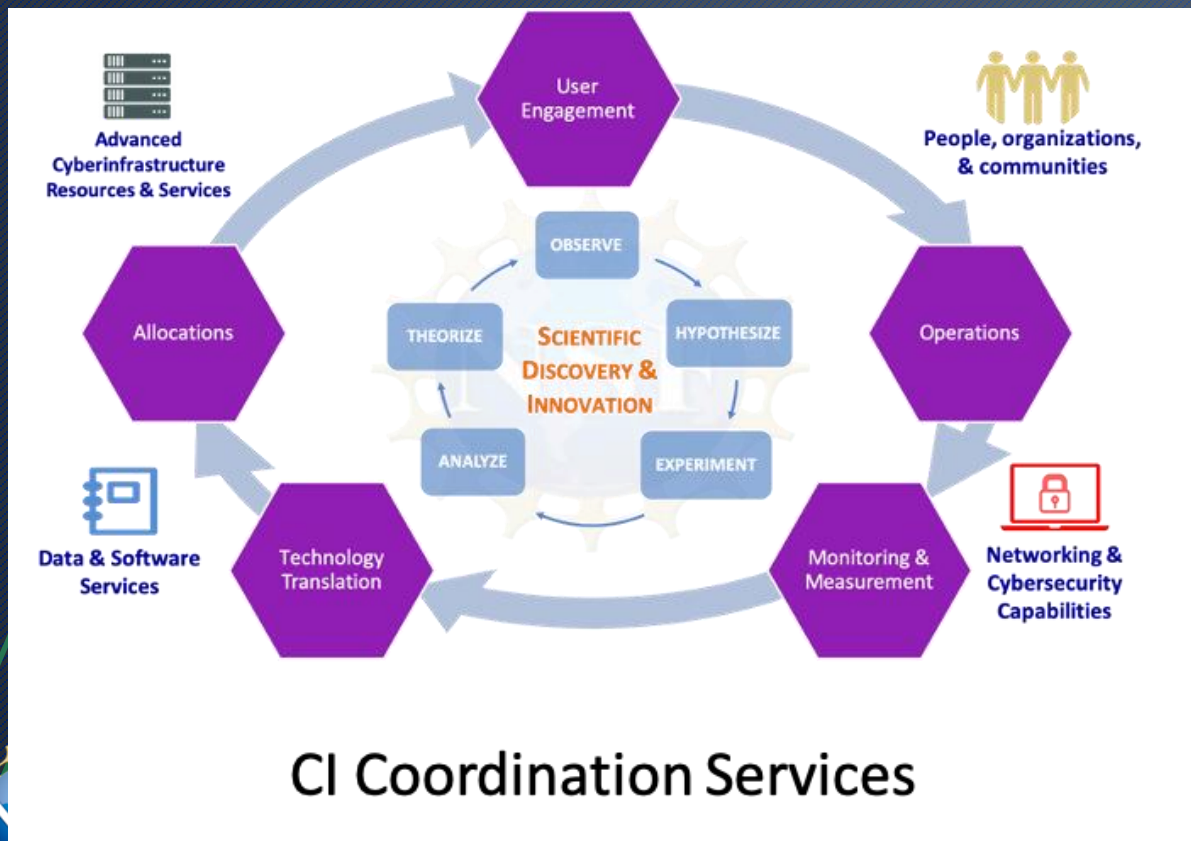
International R&E Networking

More information at: <http://go.usa.gov/xm8bU>



NSF's vision for a National Cyberinfrastructure Ecosystem for Science and Engineering in the 21st Century

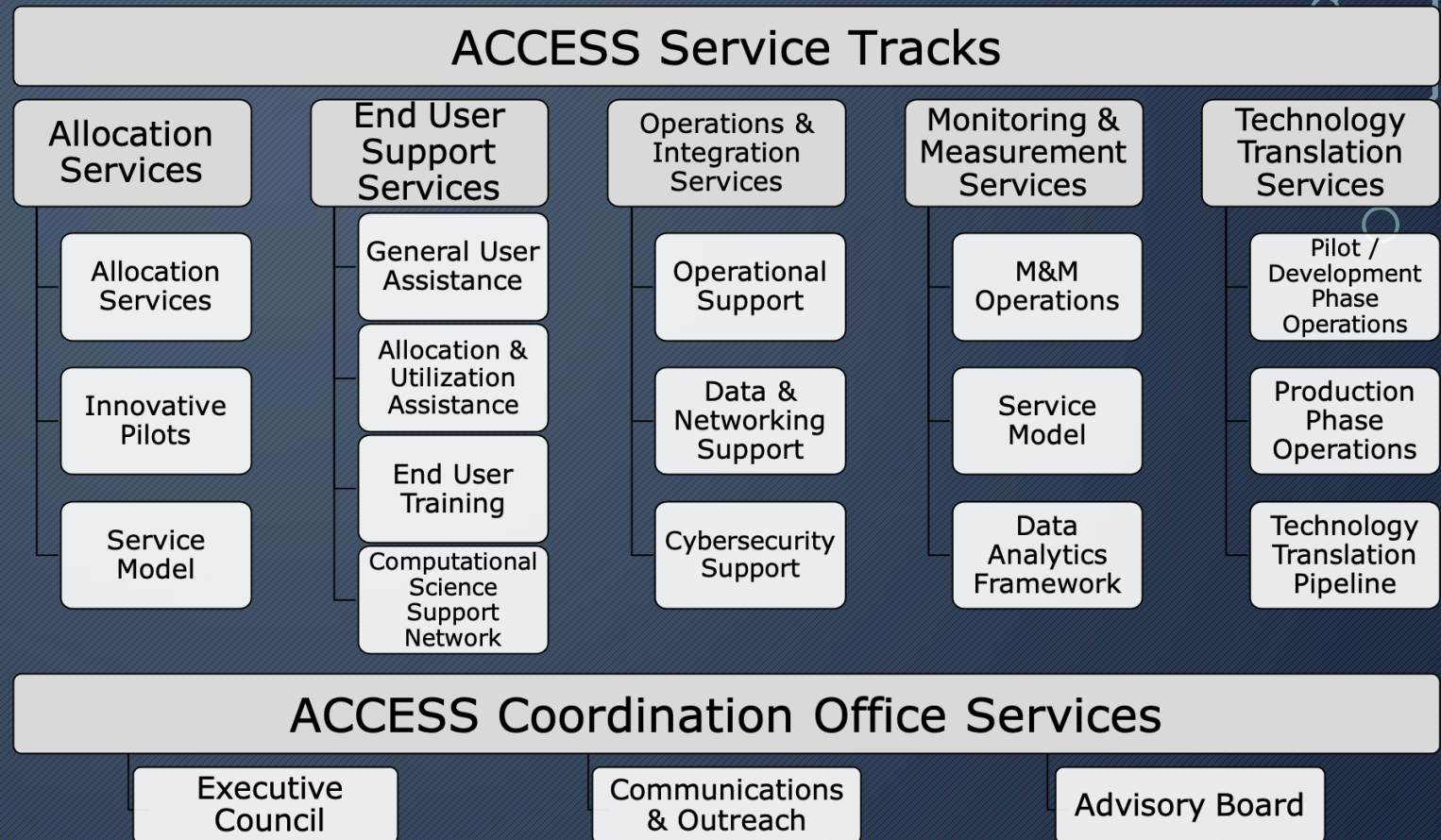
Community-informed blueprints provide implementation strategies for different elements of the CI ecosystem



- Scalability with size & breadth of community
- Flexibility in coordination and management
- Agility in operation and evolution

More information at: <http://go.usa.gov/xm8bU>

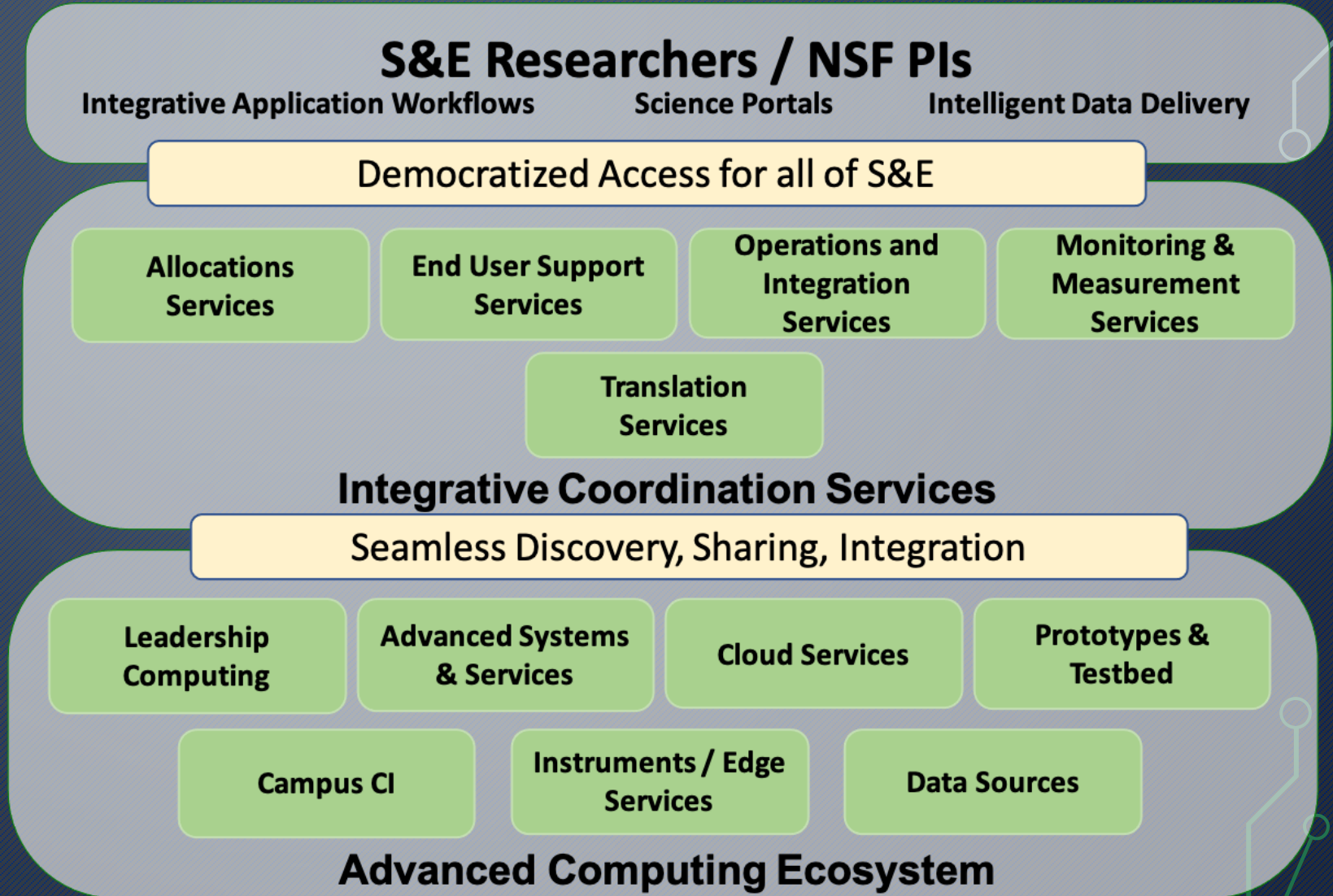
Advanced CI Coordination Ecosystem: Services & Support / Coordination Office



- ACCESS: NSF 21-555
- ACCESS-ACO: NSF 21-556



Realizing a National Research Infrastructure



Advanced Cyberinfrastructure Coordination Ecosystem: Services & Support (ACCESS)

- NSF 21-555 – ACCESS Service Tracks

- Requests proposals from organizations willing to serve as one of five independently-managed yet tightly coordinated service tracks.

- NSF 21-556 – ACCESS Coordination Office

- Serve as a coordination office to support collective and coordinated operation of the ACCESS service tracks.

NSF 21-555 URL: <http://go.usa.gov/xsT4W>

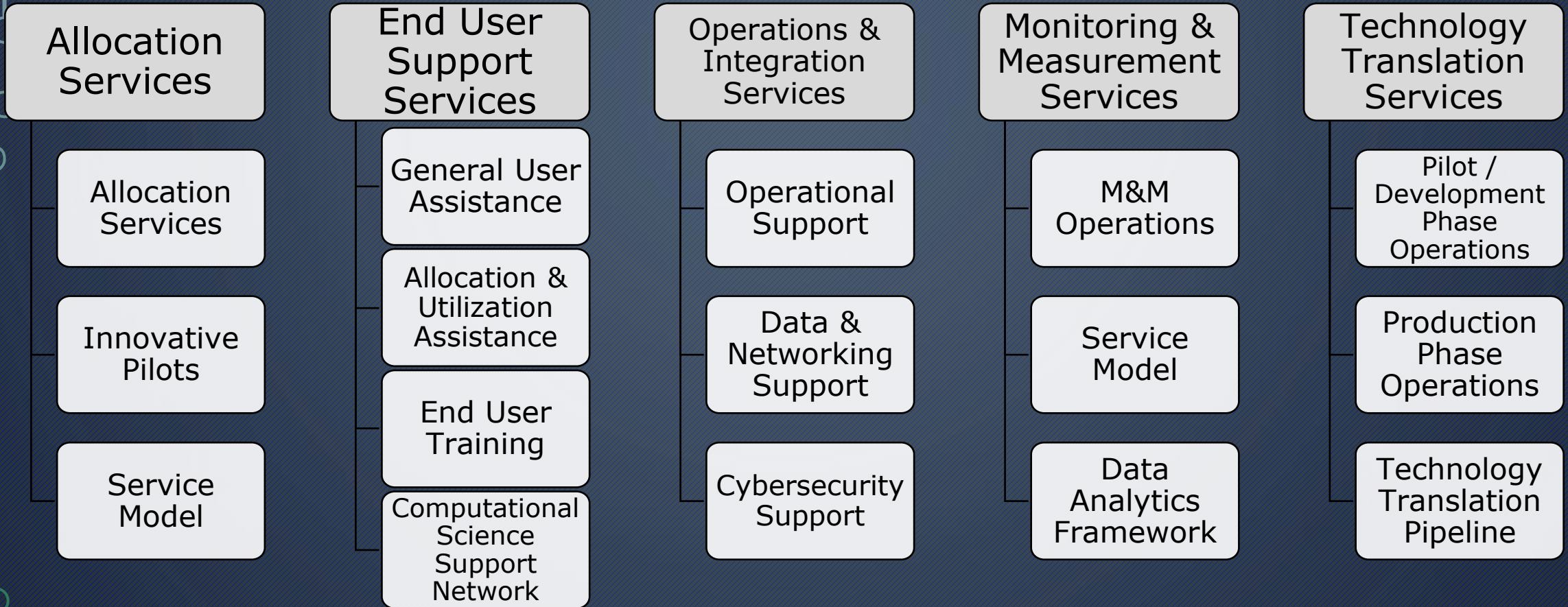
NSF 21-556 URL: <http://go.usa.gov/xsT4k>

Deadline: June 16, 2021



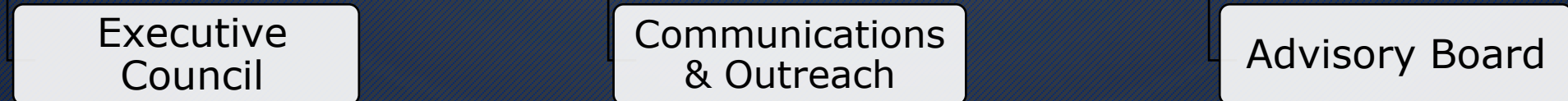
NSF 21-555

ACCESS Service Tracks



NSF 21-556

ACCESS Coordination Office Services



NSF 21-555 KEY THEMES

Track 1: Allocation Services

- Budget: \$7,500,000 over a duration of five (5) years
- Relevant activities
 - Allocation Services
 - Innovative Pilots
 - Service Model



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NSF 21-555 KEY THEMES

Track 2: End User Support Services

- Budget: \$10,000,000 over a duration of five (5) years
- Relevant activities
 - General User Assistance
 - Allocation and Utilization Assistance
 - End User Training
 - Computational Science Support Network



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NSF 21-555 KEY THEMES

Track 3: Operations & Integration Services

- Budget: \$20,000,000 over a duration of five (5) years
- Relevant activities
 - Operational Support
 - Data and Networking Support
 - Cybersecurity Support
- Note: activities *not* expected to include helpdesk-level support specific to a given resource provider



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NSF 21-555 KEY THEMES

Track 4: Monitoring & Measurement Services

- Budget: \$10,000,000 over a duration of five (5) years
- Relevant activities
 - M&M Operations
 - Service Model
 - Data Analytics Framework



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NSF 21-555 KEY THEMES

Track 5: Technology Translation Services

- Budget: \$10,000,000 over a duration of five (5) years
- Relevant activities
 - Pilot/Development Phase Operations
 - Production Phase Operations
 - Technology Translation Pipeline



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Note on planned activities for all tracks

- Expectations for each track's defined activities, their scope, and review criteria can be found in the *Program Description, Proposal Preparation Instructions, and Additional Solicitation Specific Review Criteria* sections of NSF 21-555



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Note on connection to NSF 21-556 (ACO)

- Awardees in all tracks if NSF 21-555 will be expected to interface operationally with one or more other defined ACCESS service tracks and with a coordination function to be supported by NSF through the separate ACCESS Coordination Office (ACCESS-ACO)



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NSF 21-556 URL: <http://go.usa.gov/xsT4k>

Deadline: June 16, 2021

NSF 21-555 Eligibility Information

- Who May Submit

- Institutions of Higher Education (IHE)

- Number of Proposals per PI or co-PI: 1

- An individual may be the PI on no more than one proposal that responds to this solicitation. An individual may also serve as a co-PI or senior personnel on proposals to tracks other than the track to which they have submitted a proposal as the PI.

- Limit on Number of Proposals per Organization: 1

- An organization may submit only one proposal but may be a subawardee on other proposals responding to this solicitation.

Deadline: June 16, 2021



NSF 21-555 URL: <http://go.usa.gov/xsT4W>
NSF 21-556 URL: <http://go.usa.gov/xsT4k>

NSF 21-555 Eligibility Information cont.

- Note on collaborative projects
 - Collaborative projects may **only** be submitted as a single proposal in which a single award is being requested ([PAPPG Chapter II.D.3.a](#)). The involvement of partner organizations should be supported through subawards administered by the submitting organization.
- Note on Eligibility constraints
 - **These eligibility constraints will be strictly enforced in order to treat everyone fairly and consistently.** In the event that an organization/individual exceeds this limit, the proposals received within the limit will be accepted based on the earliest date and time of proposal submission. **No exceptions will be made.**



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NSF 21-555 Proposal Preparation Instructions

- Proposal titles: Must begin with "Track 1:" or "Track 2:", etc., depending on the track being proposed.
- Only personnel directly connected to the project should be listed as **collaborators**.
- The page limit for the Project Description: **25 pages**.
- Please refer to the solicitation for more detail about content required in proposals.



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NSF 21-556 KEY THEMES

NSF 21-556 ACCESS Coordination Office (ACO)

- Budget: \$5,000,000 over a duration of five (5) years
- Relevant activities
 - Executive Council
 - Advisory Board
 - Communications & Outreach
- **NOTE:** The ACO itself will not engage in overall management responsibilities for ACCESS but will enable the other ACCESS awardees to accomplish those activities.



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Deadline: June 16, 2021

NSF 21-556 Proposal Preparation Instructions

- Proposal titles: must begin with “ACO:”.
- Only personnel directly connected to the project should be listed as **collaborators**.
- The page limit for the Project Description: **25 pages**.
- Please refer to the solicitation for more detail about sectioning of defined activities within the project description.



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Deadline: June 16, 2021

NSF 21-556 Eligibility Information

- Who May Submit
 - Institutions of Higher Education (IHE)
- Number of Proposals per PI or co-PI: 1
 - An individual may be the PI on no more than one proposal that responds to this solicitation. An individual may also serve as a co-PI or senior personnel on proposals to tracks other than the track to which they have submitted a proposal as the PI.
- Limit on Number of Proposals per Organization: 1
 - An organization may submit only one proposal but may be a subawardee on other proposals responding to this solicitation.



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Deadline: June 16, 2021

Eligibility Information NSF 21-555 vs NSF 21-556

- Eligibility restrictions on NSF 21-555 and 21-556 are **independent** from each other.
- For Example, an organization/PI could, if desired, apply to NSF 21-555 within its eligibility restrictions AND also apply to NSF 21-556 within its eligibility restrictions



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NSF 21-555 & NSF 21-556

The Award Process

- Awards made for NSF 21-555 and NSF 21-556 are expected to be **Cooperative Agreements**
- Additional reporting requirements may apply. Such requirements will be negotiated with the PI institution prior to award and will be incorporated into the special terms and conditions of the award.



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Deadline: June 16, 2021

Summary

- Deadline (both NSF 21-555 and NSF 21-556): **June 16, 2021**
- Pay careful attention to eligibility information on each solicitation
- Specific Sections are required as part of the Project Description (see *Proposal Preparation Instructions*)
- The award tracks for NSF 21-555 are meant to be ***independently managed*** yet **tightly cooperative**.
- The ACO (NSF 21-556) is meant to provide support for governance/communication among ACCESS awardees and the public (**not** overall management of ACCESS).
- Solicitation specific Review Criteria apply

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Q&A Session

PLEASE USE THE Q&A FUNCTION TO SUBMIT YOUR QUESTIONS



NSF 21-555 URL: <http://go.usa.gov/xsT4W>
NSF 21-556 URL: <http://go.usa.gov/xsT4k>

Deadline: June 16, 2021

What is the anticipated start date for NSF 21-555 and NSF 21-556 awards?

- Awards for NSF 21-555 and NSF 21-556 are expected to be made in FY 2022, subject to the outcome of proposal reviews and availability of funds.



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What is the expected duration of awards for ACCESS tracks and ACCESS-ACO?

- Awards from NSF 21-555 and 21-556 are each anticipated to be for a duration of five (5) years.



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Are renewals possible for awards made by NSF 21-555 and NSF 21-556?

- Yes. For each award made in NSF 21-555 and NSF 21-556, there is a possibility of a renewal award contingent upon availability of funds, the successful evaluation of the awardee's performance, and NSF merit review of a renewal proposal.



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Deadline: June 16, 2021

Can I / my institution apply to both NSF 21-555 and NSF 21-556?

- Yes. Eligibility information on NSF 21-555 and 21-556 are **independent** from each other. Hence, an institution can submit and/or an individual may be PI on one proposal to NSF 21-555 and one proposal to NSF 21-556.



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My institution does not qualify as an Institute of Higher Education (IHE). Would my institution be able to participate in NSF 21-555 or NSF 21-556?

- Yes. There are opportunities for an organization that is not an IHE to participate. As set forth in the solicitations, organizations that do not qualify as an IHE may not apply as the submitting organization for NSF 21-555 or NSF 21-556. Partnerships between an IHE and certain other organizations are allowed provided that all requirements specified in the NSF PAPPG and the solicitations are met.



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I don't see a service provided by the current NSF-supported CI coordination services landscape in this solicitation. Will that service continue?

- The services currently being solicited are specific to calls NSF 21-555 and NSF 21-556. For more information about NSF's vision for the CI service ecosystem more broadly, visit NSF's blueprint a National Cyberinfrastructure Ecosystem for Science and Engineering in the 21st Century:

<http://go.usa.gov/xm8bU>



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Will detailed knowledge about existing incumbent activities be required to prepare a successful proposal?

- *No.* NSF seeks innovative proposals that can drive new thinking and transformative discoveries in all areas of S&E research and education, including where applicable, *the transition of certain existing activities to the proposer's vision.* Proposals will be reviewed using the NSB approved merit review criteria, namely intellectual merit and broader impacts, and respective solicitation-specific review criteria. The XSEDE project and the XSEDE Metrics Service (XMS) project have made material, including documents labeled transition plans, available on their web presences. Any material presented by incumbent awardees on their web presences are the views of the awardee(s) and do not necessarily reflect those of the NSF.



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Q&A Discussion



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Thank you!

- A recording of this webinar will be available at
 - <https://go.usa.gov/xsync>
- Further questions?
 - Robert Chadduck: rchadduc@nsf.gov
 - Alejandro Suarez: alsuarez@nsf.gov



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