



**MINORITY SERVING-
CYBERINFRASTRUCTURE
CONSORTIUM**



MS-CC CI Planning Community of Practice

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THE VISION

MS-CC envisions a transformational partnership to promote advanced cyberinfrastructure (CI) capabilities on HBCU, HSI, TCU, and MSI campuses. We are advancing connections across campuses around data, research computing, teaching, curriculum development, professional development, and capacity-building.

We will learn and grow as a consortium, lifting up all participating institutions by advancing cyberinfrastructure for research and education across diverse fields, disciplines, and communities in ways that reflect the unique voices and interests of our communities.

We will engage as full contributors to the global R&E community.



Photo Credit: North Carolina Central University

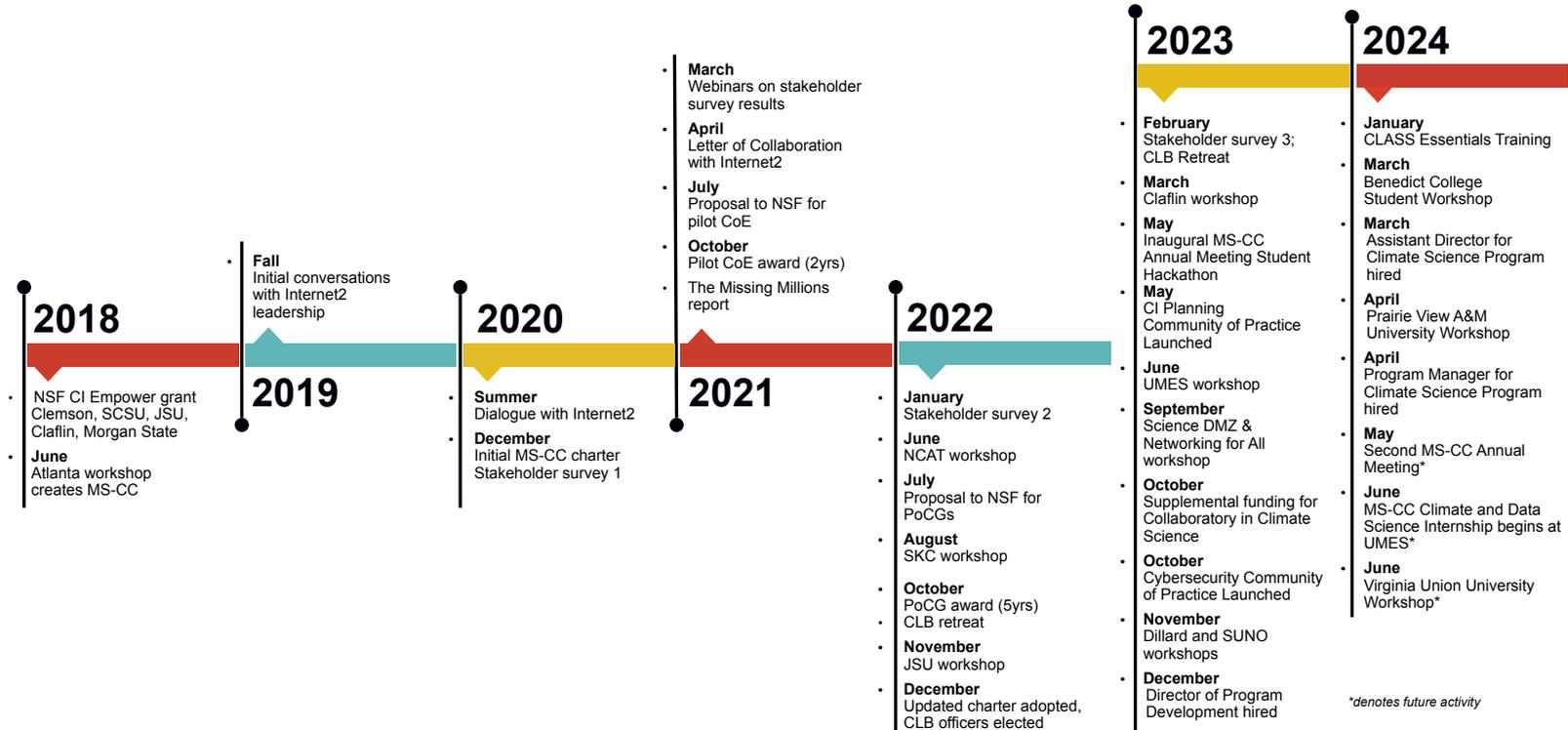


Photo Credit: Salish Kootenai College



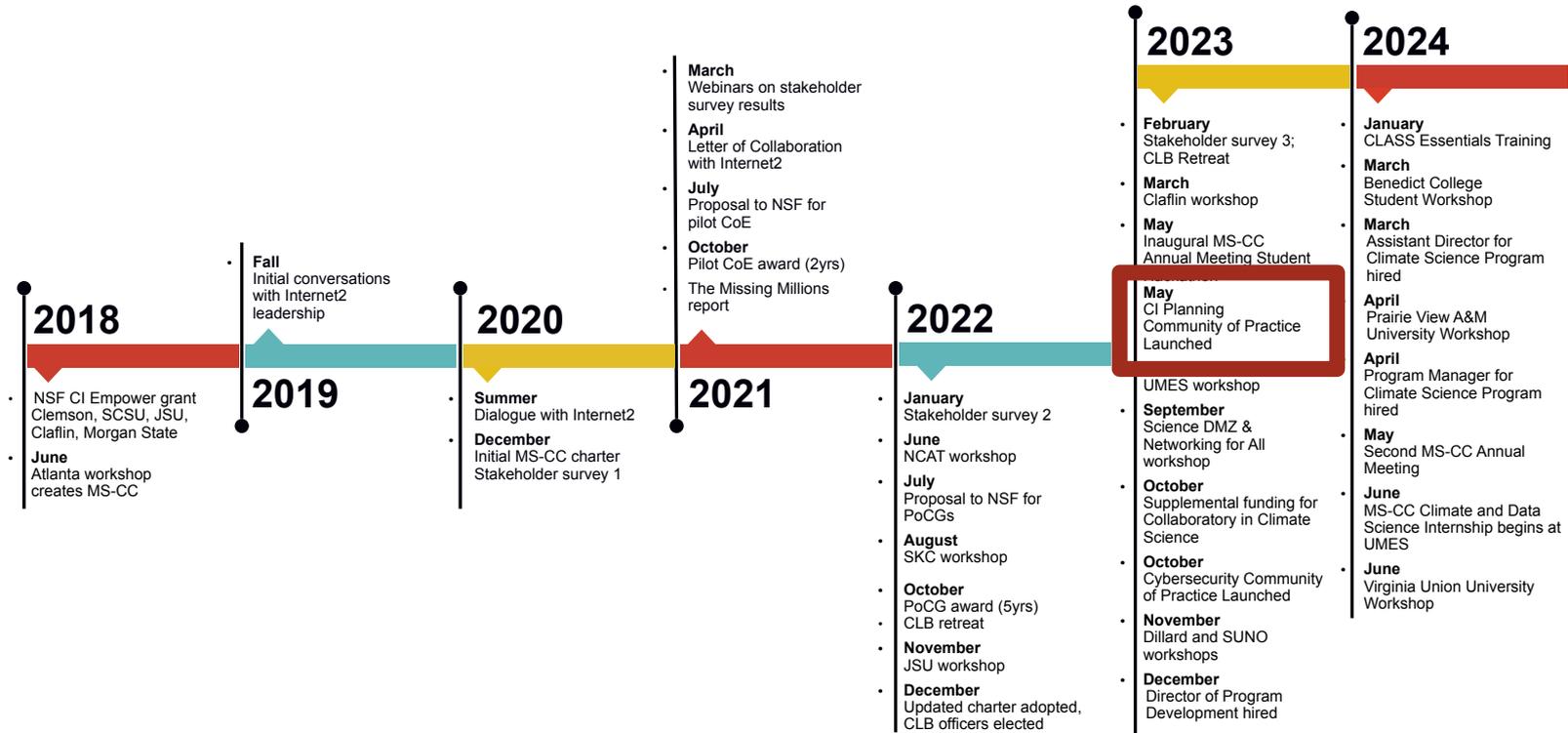
Photo Credit: Jackson State University

TIMELINE



*denotes future activity

TIMELINE



Strength in Numbers. Power of Community.

- Join a vibrant community where you can collaborate, receive support, and advocate for our collective needs.
- Participate in MS-CC governance and committees.
- MS-CC organizes workshops at HBCUs, TCUs, and Internet2 events, and provides funding support for MS-CC participants.
- MS-CC facilitates community-driven experience sharing to support and raise awareness around key topics of interest to MS-CC participants.
- Participate in regional workshops about the importance of IT for Research.
- Stay apprised of funding, collaborator and community offerings.

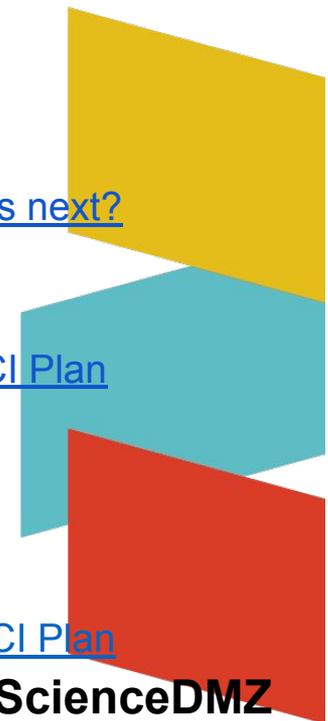
Join NOW: <https://www.ms-cc.org/join>

MS-CC CI Planning CoP Objectives

- Originated to continue discussion from the [MS-CC Virtual Webinar Series: Cyberinfrastructure 101](#)
- Share knowledge & experience around grant supported CI Cyberinfrastructure development
- Discuss creation of Cyberinfrastructure Plans for applying for CC* Proposals and communicating current and future CI capabilities
- Discuss Cyberinfrastructure Strategic Planning development
- Provide platform for collaboration with other research and infrastructure initiatives

Past CI Plan CoP Topics

- May 16, 2023 [CI Plan COP Kickoff Meeting](#)
- June 20, 2023 [CI Plan Show & Tell](#)
- July 21, 2023 [Influence Mapping for a CI Plan](#)
- Aug 15, 2023 [What aspects of CI Plan development would you like to discuss next?](#)
- Sep 19, 2023 [CI Plan Infrastructure Component Deep Dive](#)
- Oct 17, 2023 [CI Plan Template and Deep Dive](#)
- Dec 5, 2023 [Cybersecurity & Network Infrastructure details to include in a CI Plan](#)
- Jan 16, 2024 [Brainstorming Topics for 2024](#)
- Feb 20, 2024 [Faculty Engagement - Identifying Cross Campus CI Priorities](#)
- Mar 19, 2024 [Panel: Faculty engagement to inform CI Priorities](#)
- April 16, 2024 [Science Driver Tables](#)
- May 21, 2024 [Cybersecurity & Network Infrastructure Details to Include in a CI Plan](#)
- July 16, 2024** **Deep Dive on Networking Components of a Pre-ScienceDMZ and Pre-REN Campus CI Plan**



NSF CI Plan Template



<https://bit.ly/MSCC-CIPlanTemplate>

Draft Template for a NSF CI Plan

MS-CC DRAFT Document - 2024-05-07. Russell Hofmann

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Purpose and Goals

This document is an introduction to developing a Cyberinfrastructure Plan (CI Plan), usually in support of an NSF grant proposal. We describe the purpose of CI Plans, some approaches and examples, and present an annotated template for gathering the content elements you will need. We hope this will demystify the process and make you confident that this need not be a daunting task, and can be an easily-achievable first step in a strategic planning journey.

[\[Skip to the CI Plan Template\]](#)

Before you start

1. It is important to understand the difference between a CI Plan and a full Research and Education CI Plan or IT Strategic Plan. CI Plans are a relatively short document in support of a grant proposal, while Research and Education CI Plans and IT Strategic Plans are much more extensive documents with an associated greater investment to develop. Table 1 below summarizes some key differences. |

Understanding and Leveraging Influences as you build a Campus CI Plan



<https://bit.ly/MSCCInfluenceMapping>



<https://youtu.be/sl3xa7ITJ3k>

Faculty Engagement - Identifying Cross Campus CI Priorities



<https://bit.ly/MSCC-FacultyEngagementGuide>

Faculty Engagement - Identifying Cross-Campus CI Priorities

A brief walkthrough by Russell Hofmann

Purpose

This is intended to be a guide for engaging faculty with the general goal of understanding current cyberinfrastructure needs and usage, rather than for any targeted CI activity. To get a picture of cross-campus CI priorities, you are going to need to do more than one engagement, it can take between 10-30 individual meetings with faculty across various departments before you have clear CI priorities identified. This guide does not address individual faculty CI facilitation.

Potential Outcomes

- **Insight into Needs and Pain Points**: By engaging with faculty, you can gain valuable insight into the specific needs and challenges related to cyberinfrastructure, enabling targeted improvements and solutions.
- **Strategic Alignment**: Understanding faculty's future goals allows organizations to align their cyberinfrastructure efforts with broader strategic objectives and academic priorities.
- **Facilitating Future Discourse**: These engagements also serve to open doors for ongoing discussions and collaborations to improve campus cyberinfrastructure.
- **Science driver identification**: If any faculty member is engaged in a research or education activity which would directly benefit from cyberinfrastructure improvements, they are a science driver.



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**CI Plan Community of Practice
Every 3rd Tuesday @ 2pm ET**

Join the conversation!
www.ms-cc.org/join

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<https://bit.ly/MSCC-CIPlanCoP>