Marketing, Communication, Demonstrating Impact/Value

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Virtual Residency
Intermediate/Advanced Workshop 2020
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Effort with 7 FTEs centrally funded

HTC and HPC Computing and basic user support
- One centrally funded cluster plus multiple faculty funded clusters in various cabinets on campus
- Around 300 active users
- 80% centrally funded hardware

No other kinds of research computing services

Underserved social sciences and humanities for their need on science gateways

~1000 faculty, ~12000 students
Take the risk and hire people first

- train people
- generate / bring projects
- assign people to projects and focus on getting more projects and more people -\> etc...
- if not successful then exit, i.e. quit 😊

Fortunately, we had many projects, mostly science gateway projects of various kinds and difficulty.
Marketing and Communication

- Direct outreach to departments
- Yearly user event
- User awards
- Training

Extension of services
- Software development and profiling
- Cyberinfrastructure/science gateway development
- Computational Scientist support
- Collaborative research/grant development
- System administration/prototype architectures
- National resources (e.g., XSEDE, OSG)
Impact/Metrics – ND CRC in 2020

• 50 FTEs with 70% of the staff salaries supported through grants and services
• HTC and HPC Computing and user support
  – 30,000 cores
  – 2,200 active users
  – 12 HPC engineers and user support staff
  – 25% of compute nodes are centrally funded
• Cyberinfrastructure development
  – ~15-20 CI projects each year with ~35 faculty from various departments including social sciences and humanities
  – supported by ~25 research programmers, ~8 computational scientists, some FTE fractions of HPC engineers, and a few (7) grad students and undergraduate interns (4-6)
• ~1000 faculty, ~12000 students
Thanks!
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