ACCESS: RAMPS

Resource Allocations Marketplace & Platform Services

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https://access-ci.org/

IS-GEO
Intelligent Systems for Geosciences

Lightening Talk

Our Goals

- open, inviting, and **democratized allocations marketplace**
- efficient, scalable, and **simplified request and review framework**
- robust, decentralized, and **flexible software platform**

Our Team

- Pittsburgh Supercomputing Center (PSC)
  - *Stephen Deems, PI*
- National Center for Atmospheric Research (NCAR)
  - *Dave Hart, co-PI*
- National Center for Supercomputing Applications (NCSA)
  - *Laura Herriott, co-PI*

Our Partners

Simplified Review & Request Framework

Rapid and adaptable review, engaging and empowering resource providers

- Standardized allocation tiers
- ACCESS Credits
- Engaging resource providers

Four Allocation Tiers

1. Explore ACCESS

- Easy entry
- Low pressure
- Eligibility review

2. Discover ACCESS

- 1-page proposal
- More substantial award
- Advisory review *upon request*
- One-time supplement

3. Ramp-Up ACCESS

- 3-page proposal
- Merit reviewed
- Accepted continually
- One-time supplement

… and

Four Allocation Tiers (cont)

Largest ~15% of today's allocations consume ~80% of resources

4. Maximize ACCESS

- Will largely follow more conventional allocation practices for these projects
- ACCESS Allocation Review Committee (AARC)
- Resource-specific allocations
- Extreme scale requests
- 10-page proposals
- Annual renewals
- Semi-annual opportunities

ACCESS Credits

- A single “currency” that researchers can exchange for resource specific units
- Builds on longstanding and familiar “normalized unit” concept
- Resource providers define the exchange rates

eXtensible Resource Allocations Service (XRAS)

Allocation management, resource integration, and data sharing

Diversity, Equity & Inclusion

DEI Facilitator on management team to ensure diverse, equitable, and inclusive marketplace, platforms, services, and innovative pilots

RAMPS Continuous Improvement

- **Communication**

  New process & platform improvements

- **Feedback**

  From a variety of stakeholders

- **Inclusion**

  Ensuring we are accessible to all

Innovative Pilots

A more flexible marketplace, On-RAMPS, and an expanding resource portfolio

Questions?

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