



ANT Update

## New Staff - Recent

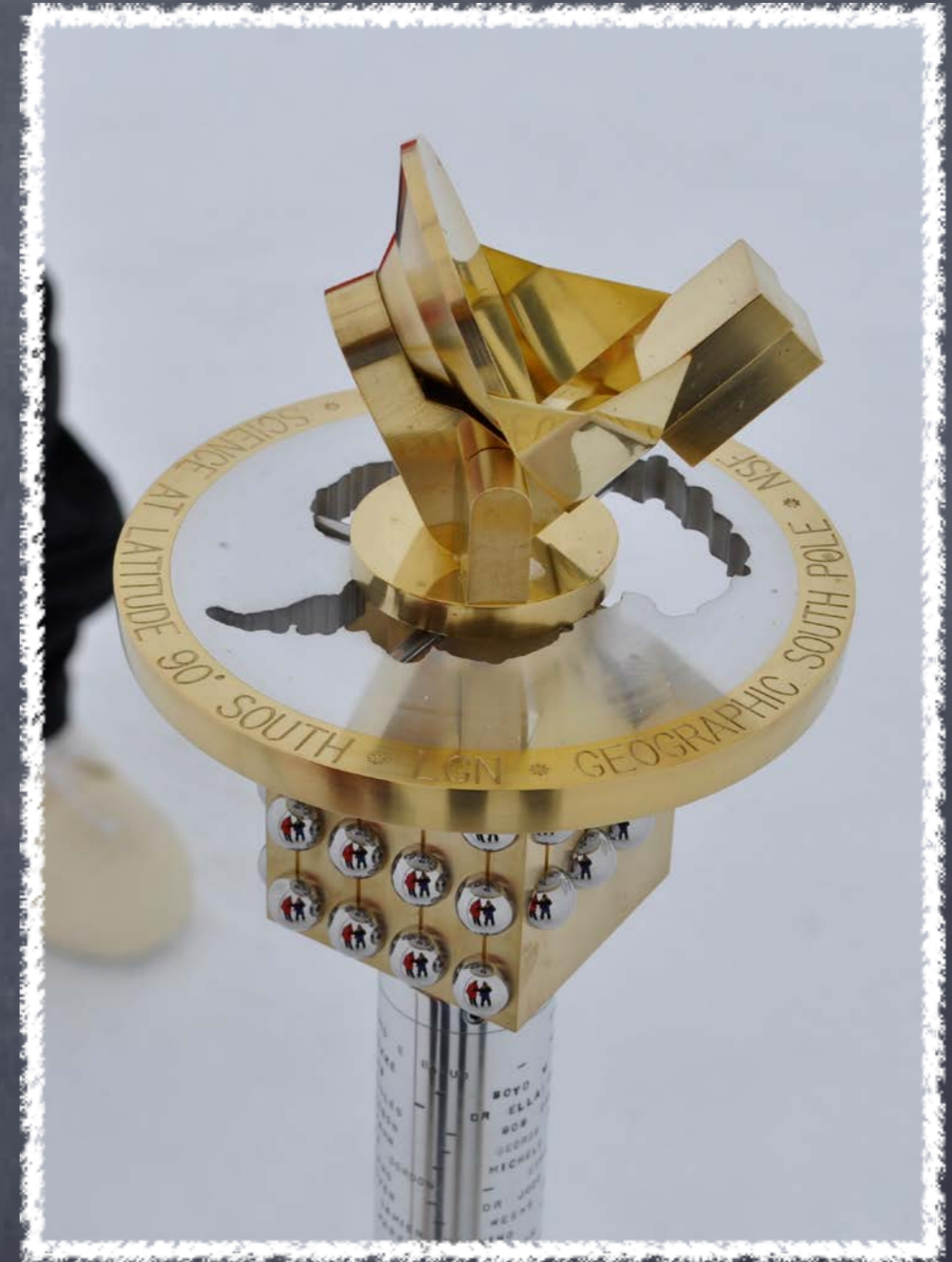
- Diana Nemergut - AOE Program
- Sonia Esperança - AISS Program (on detail from GEO/EAR)
- Jim Swift - ARLI Program (but justifiably tied up in BRP so far)

## Future:

- AISS candidate evaluation underway (career or rotator)
- ARLI, need to take action soon (preferred model - rotation of career PD's and IPA to backfill and benefit in turn from new perspectives)



- New Contractor - ASC
  - Strong emphasis on planning
  - Local planning group
- Upcoming Activities
  - AMGRF Re-competition
  - IDDO Re-competition
  - NICL situation
- MOUs
  - NASA: LDB, ANSMET
  - NOAA: support of NOAA at Pole



## BigData and CIF21

- Earth-cube, should OPP partner (yes, but how?)
- Data Enabled Science including (yes, but emphasis for OPP?)
  - data services – curation, meta data, access, integration, open access, standards, interoperability
  - data analysis – tools etc that enable data mining, manipulation, modeling simulation, visualization, decision support
  - data-intensive science – use of computational methods to analyze and manipulate data; algorithms and policies for cross disciplinary use and sharing and open access

## BigData and CIF21 (continued)

- Community Research Networks (possibly participate) aim to:
  - establish new multidisciplinary research communities that advance exploitation of CI in research
  - advanced research on community research networks – e.g. What can we learn about how research networks work and how they might be developed to best advantage in the future.



- **New Computational Infrastructure (collateral participation?)**
  - establish new computational and data enabled resources, innovative sharing and archiving systems etc (hardware side of infrastructure)
  - development of new software tools for as a general service for application interfaces, workflows, middleware etc (software side of infrastructure)
- **Access and Connections to Cyberinfrastructure Facilities**
  - combines new and upgraded network connectivity with advances in deployed networking technology from academia and industry
  - cybersecurity, including identify management

## General Thoughts

- The new models that emerge from investments in these areas will inform development and deployment of leading edge network connections and access, anticipates a broad array of beneficiaries across the Foundation
- Management, Assessment and Funding of CIF21: Internal language (so far) seems to have substantial top-down involvement whereas NSF does try to foster a bottom-up approach to projects that would emerge.

# Questions?

