



# Toolik CA renewal proposal update

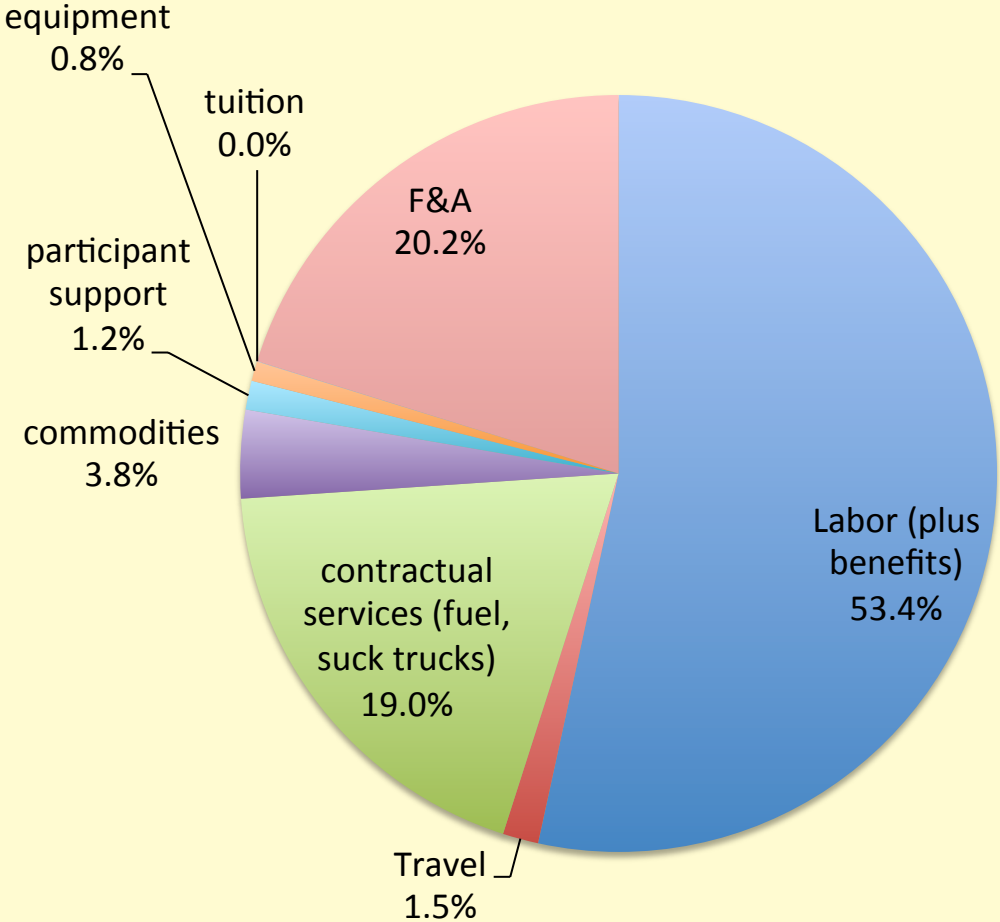
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# Status & Overview

- Renewal Proposal for the Toolik Cooperative Agreement submitted to NSF ARSL program, currently under review
- Pis: Donie Bret-Harte, Brian Barnes, Mike Abels, Brett Biebuyck
- Goal: continued operation of Toolik Field Station and provision of scientific services
  - No decreases in services are proposed
- Budget request: flat (total budget less than requested in the last CA)
  - 1<sup>st</sup> year: current operating costs + one meeting

# CA Renewal Budget Request, year 1



# What is new

- Goal: continue to promote collaboration and convergence among Toolik researchers
- Hold three workshops/meetings in the next 5 years
  - Two integrative science meetings to present work on the Alaskan North Slope, including work conducted at Toolik (yr 1, yr 5)
    - Funds for some invited speakers, most scientists would pay their own way
  - One science support workshop, similar to our previous workshops (yr 3)
    - Funds for 25 invited guests
- Continued organization of “Toolik” sessions at the AGU each year
  - As we have done in the last two years

# What is new

- Development of Toolik Information System
  - Project registration system will keep all project information in one place, allow better tracking of requests, management of project by PIs
  - Spatially explicit component will provide information on plots
  - Metadata and links to archived research data
  - Publication information (eventually) linked to our publication database
- Goal is to get system up and running for current projects, fill in for past projects later

# Continuing Activities

- Support for Toolik Steering Committee
  - Two meetings per year (summer & winter)
  - Additional teleconferences if desired
  - Add Faustine as SC member to represent NEON
- Continued participation in INTERACT II (if funded)
  - Transnational access (funded by the EU) will now be open to research groups led by Americans
  - Continue to host European researchers at Toolik (up to two projects per year; 30 userdays total)
- Update TFS publication database yearly
- Update/improve website, business functions
- Continued scientific services, responsive to community input

# GIS

- Establish last mile internet connectivity, initially on hill S of Toolik Lake
- Spatial component of Toolik Information System
- Continue to upgrade hardware & software as necessary
- Continue all current services (maps, site selection, aerial and satellite imagery, etc.)
- No changes to staff

# EDC

- Participation in National Atmospheric Deposition's National Trends Network (precipitation chemistry) and Mercury Deposition Network
- Continue all existing scientific services
  - Upgrade and maintain meteorological station
  - Maintain baseline observation program
  - Manage common-use equipment
  - Provide limited assistance with field work, especially in shoulder seasons
- Adapt program to complement NEON as it begins
- Participate in development of Toolik Information System (metadata for research projects)
- No changes to staff



# Other Science Support Services

- No fundamental changes to services offered
- Continued assistance building field gear, maintaining vehicles and snowmachines, scientific equipment
- Continued assistance with remote power systems
- No changes in staff

# Data

- TFS data (GIS, EDC) will be archived at IARC
  - Primary portal for obtaining data will be TFS website
- All TFS data sets will be assigned DOI numbers, so that they can be cited

# Changes to staff

- Add  $\frac{3}{4}$  time administrative assistant in the Fairbanks office
  - Assist with travel, invoicing, credit card reconciling
  - More reasonable schedule for business manager
- Add part-time driver, peak season only
  - Insurance for NSF science trucks more restrictive, so a driver will be needed more often
- Reorganization of Assistant Manager position (no net increase)
- Staffing increases offset by reducing expeditor to half-time during winter, reduced overtime for business manager

# TFS Management Structure

- TFS Management team will remain the same, with Donie Bret-Harte as lead PI
- Donie Bret-Harte and Brian Barnes are now Science Co-Directors
- Brett Biebuyck is now a co-PI
- Brett will supervise on-site manager at TFS, business manager, logistics coordinator, and expeditor in Fairbanks
- Mike Abels will focus on permitting, compliance, and external affairs
  - will continue to supervise GIS office
- Changes reflect evolution of responsibilities in the last few years
- No other changes proposed at present

