PROJECT INFORMATION

Lead Principal Investigator	Joane Nagel
Institute	University of Kansas, Department of Sociology
Project Title / Grant #	IGERT: C-CHANGE: Climate Change, Humans, and Nature in the Global Environment (0801522)
NSF Program and Manager	NSF\EHR\DGE\IGERT, Dr. Carol Van Hartesveldt
PFS Project Manager	Kim Derry

LOGISTICS SUMMARY

This NSF IGERT (Integrative Graduate Education and Research Traineeship) grant to the University of Kansas funds summer PhD-student level field work in Kansas, Mexico, and Greenland. The PI envisions a program of broad-based training for PhD students in the social sciences, natural sciences, and engineering that targets the human and natural drivers and outcomes of global climate change and develops strategies for responding to those changes.

This record focuses on the arctic field work. 15 people (up to 4 faculty and 11 students) will travel to Kangerlussuaq, Greenland. Basing from the Kangerlussuaq International Science Support (KISS) building, the team will participate in observation, lecture, and research for one week in June 2010 and June 2012. In-country field travel will include 5 day trips to ice sheets.

The research and observation trip will expose IGERT students to the variation in environments that are impacted by global climate change. Specific research activities will include sampling soil and vegetation; mapping vegetation and surface topography of freshly-exposed moraines; taking spectral measurements of various surface types and vegetation; measuring sediment load and size distribution in marginal ice and meltwater streams; using ground-penetrating radar on the ice; and snow coring and pit sampling at the margin.

CPS will provide ANG flight coordination, field transportation for day trips, and KISS user days. All other logistics will be paid by the researchers from the grant.

For the complete CPS online project record for this grant, including science objectives, go to: http://www.polar.ch2m.com/arlss_reports/arlss_projectsdetail.asp?cbPropNum=0801522

For up-to-date information on the project's schedule, please view the online Greenland calendar (http://www.polar.ch2m.com/> Greenland > Calendars/Schedules).

OUTSTANDING ACTIONS AND NOTES

Issue	Responsibility	Date Due	Date Completed
Review support plan for accuracy and distribute to all field team members	PI		
Obtain all necessary permits for fieldwork	PI		
Visit all hyperlinks and review all documents referred to in the support plan	Entire Field Team		
Note: **Passports are required** for Air National Guard and international travel. Also, please bring **TWO** copies of your passport to Greenland with you.	Entire field team		
Purchase food for field lunches in USA and Kangerlussuaq. Make field lunches in Kangerlussuaq.	Entire Field Team		

ALLOCATIONS AND SERVICES

Allocations from Inventory

Quant/Unit	Item
3 each	Truck rental in Kangerlussuaq
3 each	GPS
3 each	Saw
3 each	Soil shovel
3 each	First aid kit
4 each	Hand-held radio
1 each	Iridium for the days the team travels to the ice edge

Other Services

Service	Comments
KISS user days	15 people/7 days
Internet access at KISS	
Conference/Meeting room use at KISS	
Round trip ANG tickets NY>SFJ	15 passengers
Coordinate museum trip in Kangerlussuaq	
Coordinate meeting with NEEM	
Coordinate trip to Kellyville	
Coordinate meeting room for informal group discussions	

LOCATION INFORMATION

Please visit http://www.polar.ch2m.com/ and navigate to the Greenland menu for en route and location-specific Greenland information. Prior to deployment, your entire field team should be familiar with the content of the *Greenland Guide* and, if traveling to Summit, with the guidelines provided in the *Summit Users' Guide*. Both are available electronically via our Web site's Greenland menu.

CARGO AND CUSTOMS

All cargo required for your project should arrive in Scotia, NY, **no later than 2 weeks prior** to the desired northbound Air National Guard (ANG) flight, must be entered into our online Cargo Tracking System, and must be properly registered with Customs.

For the most current ANG flight schedule go to http://www.polar.ch2m.com/ and navigate to Greenland > Calendars/Schedules.

If you are a **new user** requiring access to the Cargo Tracking System, contact Jason Buenning.

(If you need **technical support** with the Cargo Tracking System, contact Mike Dover .

Customs instructions are available on our Web site at http://www.polar.ch2m.com/ (go to Greenland > Customs). More information is available via the *Greenland Guide*, under Greenland on the CPS site.

The following is our current understanding of your overall cargo requirements:
Cargo List

Items	Weight/Cube
Asst cargo as hand carry only, includes field lunches	

For the most up-to-date information on the project's schedule, please view the online Greenland calendar (http://www.polar.ch2m.com/ > Greenland > Calendars/Schedules).

FIELD TEAM INFORMATION

Name	Location	Date In	Date Out	Email
Braaten, David	Kangerlussuaq	06/02/10	06/12/10	braaten at ku.edu
Nagel, Joane	Kangerlussuaq	06/02/10	06/12/10	nagel at ku.edu
Billings, Sharon	Kangerlussuaq	06/02/10	06/12/10	
Bonilla, Alvin	Kangerlussuaq	06/02/10	06/12/10	
Cochran, Ferdouz	Kangerlussuaq	06/02/10	06/12/10	
Crosthwait, Rebecca	Kangerlussuaq	06/02/10	06/12/10	
Gentry, Jodi	Kangerlussuaq	06/02/10	06/12/10	
Gerhart, Laci	Kangerlussuaq	06/02/10	06/12/10	
Jackson, Trish	Kangerlussuaq	06/02/10	06/12/10	
Kern, Anna	Kangerlussuaq	06/02/10	06/12/10	
Owens, Hannah	Kangerlussuaq	06/02/10	06/12/10	
Reed, Alexis	Kangerlussuaq	06/02/10	06/12/10	
Sundberg, Adam	Kangerlussuaq	06/02/10	06/12/10	
van der Veen, Cornelis	Kangerlussuaq	06/02/10	06/12/10	
Williams, Linda	Kangerlussuaq	06/02/10	06/12/10	

PROJECT CONTACT INFORMATION

Research Team

Role	Name	Email	Phone / Fax
Co-PI	David Braaten	braaten at ku.edu	785 864.3801 /785 864.5262
Co-PI	Leonard Krishtalka	krishtalka at ku.edu	785 864.4540 /785 864.5335
Principal Investigator	Joane Nagel	nagel at ku.edu	785 864.4111 /785 864.5280
Co-PI	Townsend Peterson	town at ku.edu	785 864.3926 /785 864.5335
Co-PI	Daniel Wildcat	dwildcat at haskell.edu	785 832.6677 /785 832.6643

CPS Team Members

Contact for	Name	Email	Primary Phone
Greenland science planning & support	Robin Abbott	Robin at polarfield.com	Denver: 303.748.8507
Thule science planning & support	Kim Derry	Kim at polarfield.com	Denver: 303.349.6382
Kangerlussuaq base operations	Kathy Young	Kathy at polarfield.com	Denver: 720.320.6160 Greenland: 011.299.524218
Scotia (Stratton Air Base) operations & customs	Earl Vaughn	Earl Vaughn at gmail.com	Scotia cell: 518.605.0979

CPS Offices

Denver	Kangerlussuaq	Scotia
Polar Field Services 8110 Shaffer Parkway Suite 150 Littleton, CO 80127 Tel: 303.984.1450/1439 Fax: 303.984.1445	CH2M HILL Polar Services Attn: Name of Employee/Researcher Postboks 1015 DK-3910 Kangerlussuaq, Greenland Tel: 011.299.841598 Fax: 011.299.841599	Earl Vaughn C/O 109th Aerial Port Bldg. 20 Stratton Air Base Scotia, NY 12302-9752 Tel: 518.344.2635 Cell: 518.605.0979 Fax: 518.344.2537

SAFETY, ENVIRONMENT, HEALTH and PERMITS

Effective January 1, 2010 the Government of Greenland assumed responsibility for the permitting process for research in Greenland. All science teams planning to conduct research in Greenland must complete an **annual application** in order to obtain approval from the Government of Greenland. The application forms are available from the Department of Domestic Affairs, Nature and Environment at http://www.nanoq.gl/expeditions or by sending an email to ekspeditioner at gh.gl. Applications are submitted directly through the Department of Domestic Affairs, Nature and Environment. Be advised that a new fee of 4000 DKK has been put in place for permits. For assistance with the application process, contact:

Martin Schiøtz
Head of Section
Section of Nature
Department of Domestic Affairs, Nature and Environment P.O. Box 1614
3900 Nuuk
Greenland
e-mail: ekspeditioner at gh.gl

RISK ASSESSMENT

See Appendix for Risk Factors and Mitigation.

CRITICAL SUCCESS FACTORS

Please list the factors that are most important for the success of your science. We track these factors in order to measure the success of CPS' support. Examples might be the availability of the helicopter or camp gear.

Factors
air transport to-from Greenland > 109th Air National guard
food and lodging in Greenland > KISS user days: PFS supplies, filed lunches: PI supplies
ground transport in Greenland > Truck rental in Kangerlussuaq
equipment listed in Season Plan
internet access
guidance and facilitation from PFS staff

GOVERNMENT AND PERFORMANCE REPORTING ACT OF 1993 (GPRA)

NSF/OPP requires your help in complying with the Government Performance and Reporting Act of 1993 (GPRA). One measure of CPS' performance is a "facility-performance metric" which counts the number of productive days your project has in the field while relying on CPS facilities or support. Please keep track of any "lost days" and report these to us at the end of the season.

APPENDIX

RISK FACTORS and MITIGATION

Factor	Mitigation and Control
Communications	-Carry the appropriate communications system (satellite phone) -Assure your phone and/or radio is fully charged before going out and carry a spare battery.
Emergency Plan	-Compile a list of emergency contacts for your field team and share it with critical participants including your home institution and CPS. -Share your satellite phone number as a means for others to contact you.
Foot travel	-Have a communication plan in place (carry a radio) -Have a check out policy in place
Heavy lifting/body strains and sprains	-Use proper lifting techniques
Truck Travel	-Participate in truck training -Do not ride in the bed of the truck -Insure the truck has spare tire and jack for extended trips -Carry survival gear and warm clothes for extended trips -Carry a radio for extended trips