

Please review all of the following information, including the gear allocations and field team information, to ensure accuracy. This plan is an agreement between VPR and your group, documenting the logistics support you will receive.

• Project Information •

Lead Principal Investigator	Winfried Hanka
Institute	GeoForschungsZentrum Potsdam, GEOFON Program
Project Title / Grant #	GEOFON (GEOFOorschungsNetz - Geo Research Network) (DESeismic)
NSF Program and Manager	Intl - GFZ Potsdam, Mr. Simon Stephenson
VPR Project Manager	Sandra Starkweather

• Logistics Summary •

This project conducts broadband seismological recording of global earthquakes at Summit, Greenland. Formerly a part of the temporary GLATIS network, it has now been turned over to GFZ Potsdam and became a member of that institute's GEOFON network.

The PI will visit Summit Station annually to service and maintain the project's seismological station. In 2002, in addition to the scheduled maintenance, the team members installed an upgraded datalogger for the seismological station and a "Seiscomp" box that connects the station to the Summit LAN for Internet real-time data transmission when the station's LAN is running. In 2004, another major station upgrade was carried out to overcome technical problems and to minimize required local support. In the out years, a technician will return to Summit as needed to conduct minor maintenance on the seismometer. In 2007, two technicians will visit Summit to raise and relocate the seismometer bunker. The power and communications connections for this bunker will be routed out of the Temporary Atmospheric Watch Observatory (TAWO).

In addition to providing construction and operational support to relocate the experiment to a new seismometer bunker and to remove the old one, VPR will provide infrastructure and science technician support at Summit Station for the year-round experiment. All other logistics, including cabling other than that required to bring power to the new bunker, will be provided by the PI.

For the complete VPR online project record for this grant, including science objectives, go to: http://www.vecopolar.com/arlss_reports/arlss_projectsdetail.asp?cbPropNum=DESeismic

• Outstanding Issues •

Issue	Responsibility	Date Completed
Review support plan for accuracy and distribute to all field team members	PI	5/15/2007
Obtain all necessary permits for fieldwork	PI	Maintenance on previously permitted installation
Visit all hyperlinks and review all documents referred to in the support plan	Field Team Members	5/15/2007
Contact the GEOSummit Science Coordination Office (SCO) mailto:sco@summitcamp.org regarding your project's plans for the season	PI	5/15/2007
Complete Critical Success Factors	PI	5/15/2007

• Allocations & Services •

Allocations from Inventory

Quant/Unit	Item
2 ea	Arctic Oven Sleep Tents
4 ea	Thermal Sleeping Pads
2 ea	Shovels for excavation

Other Services

Project Allocations	Comments
New Seismometer Bunker	The construction staff will create a new seismometer bunker similar to the last, near the surface and adjacent to the existing site.
Electrical Service	The construction staff will provide 115V (nominal) line to the new seismometer bunker to replace the existing power line.
Old Seismometer Bunker	The camp staff will excavate the existing seismometer bunker in order to retro current installation from the hole.
Temporary Atmospheric Watch Observatory (TAWO)	Field team will be provided with space (science tech will direct location), power and comms in the TAWO for their instruments that had previously been located in the science trench. The science team is providing all cabling exclusive of power cabling described above.

• Location Information •

Please visit <http://www.vecopolar.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.vecopolar.com> and navigate to Greenland > Calendars/Schedules.
- ✓ If you are a new user requiring access to the Cargo Tracking System, contact Jason Buenning (jason@polarfield.com).
- ✓ Customs instructions are available on our website at <http://www.vecopolar.com> (go to Greenland > Customs)
- ✓ For Customs requirements please refer to the *Greenland Guide*, also available at <http://www.vecopolar.com> under Greenland.

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

Cargo List

Items	Weight/Cube
3 boxes arriving from Europe to KISS manager	TBD

• Support Schedule •

Date	Location	Activity
6/1/2007	Kangerlussuaq	Field team arrives in Kangerlussuaq via Comm Air from CPH at 8:40 am
6/4/2007	Summit	Field team arrives at Summit
6/4/2007	CAZ (Clean Air Zone)	The camp staff will have excavated the old seismometer bunker
6/4/2007	CAZ	The construction staff will have completed new bunker in adjacent location
6/4 – 6/6	CAZ	Filed team relocates seismometer equipment from their old bunker to their new bunker and relocates equipment from the science trench to the Temporary Atmospheric Watch Observatory (TAWO)
6/6/2007	Summit	Field team leaves Summit
6/8/2007	Kangerlussuaq	Field team leaves Kangerlussuaq

• Field Team Information •

Name	Location	Date In	Date Out	Email
Schuette, Juergen	Kangerlussuaq-CPH	6/1/2007	6/8/2007	schue@gfz-potsdam.de
Schuette, Juergen	Summit	6/4/2007	6/6/2007	
Wylegalla, Kurt	Kangerlussuaq-CPH	6/1/2007	6/8/2007	wyle@gfz-potsdam.de
Wylegalla, Kurt	Summit	6/4/2007	6/6/2007	

Research Team

Role	Name	Email	Phone / Fax
Co-PI	Trine Dahl-Jensen	tj@geus.dk	(45) 814-2519 / (45) 814-2050
Principal Investigator	Winfried Hanka	hanka@gfz-potsdam.de	331 288-1213 /

VPR Team Members

Contact for	Name	Email	Primary Phone(s)
Greenland operations	Jason Buenning	jason@polarfield.com	Denver: 303-638-6669 Greenland: 011.299.524218
Greenland operations	Mark Begnaud	mark@polarfield.com	Denver: 720.320.6160 Greenland: 011.299.524281
Summit operations	Sandy Starkweather	sandy@polarfield.com	Denver: 303.518.8714
Medical & MAS	Kyli Olson	kyli@polarfield.com	Denver: 303.489.2151
Denver operations	Jill Ferris	jill@polarfield.com	Denver: 720.320.6155
Scotia Operations & Customs	Earl Vaughn	earl.vaughn@gmail.com vprscotia@hughes.net	Scotia: 518.331.3103

VPR Offices

Denver	Kangerlussuaq	Scotia
VECO Polar Resources Western Office 8110 Shaffer Parkway Suite 150 Littleton, CO 80127 Tel: 303.984.1450/1439 Fax: 303.984.1445	VECO Polar Resources Attn: Name of Employee/Researcher Postboks 1015 DK-3910 Kangerlussuaq, Greenland Tel: 011.299.841598 Fax: 011.299.841599	Earl Vaughn C/O 109 th Aerial Port Bldg. 20 Stratton Air Base Scotia, NY 12302-9752 Tel: 518.331.3103 Fax: 518.334.2537

Summit Station

Summer
VECO Polar Resources Attn: Name of Employee/Researcher - Summit Station C/O Earl Vaughn 109 th Aerial Port Bldg. 20 Stratton Air Base Scotia, NY 12302-9752 Tel: 518.331.3103 Fax: 518.334.2537

Other

Organization	Internet	Phone
Medical Advisory Services	http://www.mas1.com	410.257.9504 / 410.257.9505 / 410.257.9506
Summit Science Coordination Office	http://www.geosummit.orgsco@summitcamp.org	John Burkhart 47 96 82 50 11 (Norway) 1 209 658 7142 (USA, messages checked weekly)

• Safety, Environment, Health, and Permitting •

Permits

All science teams planning to conduct research in Greenland must complete an **annual application** in order to obtain approval from the Danish Polar Center (DPC). The application forms are available from the DPC at <http://www.dpc.dk>. Applications are submitted directly through the DPC, rather than through the U.S. State Department. For assistance with the application process, contact:

Poul Henrik Sorensen

E-mail: phs@dpc.dk

Telephone: +45 3288 0100

Medical Clearance

Arctic Program participants traveling into the Greenland field are generally required to pass a National Science Foundation (NSF) mandated physical exam. All field team members should plan to complete their medical clearance process 8-6 weeks prior to their travel to Greenland. For more information refer to VPR's *Greenland Guide*, available at <http://www.vecopolar.com> under Greenland.

• 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 VPR's support. Examples might be the availability of the helicopter or camp gear.

Factors
Old bunker excavated
New bunker ready with electrical service
Space and power available in TAWO

• Government Performance and 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 VPR's performance is a "facility-performance metric" which counts the number of productive days your project has in the field while relying on VPR facilities or support. Please keep track of any "lost days" and report these to us at the end of the season.