



Please review the following information to ensure accuracy. When finalized, this plan will be an agreement between CH2M HILL Polar Services (CPS), Barrow Arctic Science Consortium (BASC), and your group, documenting the logistics support you will receive.

### PROJECT INFORMATION

<b>Lead Principal Investigator</b>	Vladimir Romanovsky <b>AND</b> Kenji Yoshikawa
<b>Institute</b>	University of Alaska, Fairbanks, Geophysical Institute
<b>Project Title / Grant #</b>	Recent and future permafrost variability, retreat and degradation in Greenland and Alaska: An integrated approach (0612533) <b>AND</b> IPY:Development of a Network of Permafrost Observatories in North America and Russia: The US Contribution to the International Polar Year (0632400) <b>AND</b> IPY: Current Climate changes over Eastern Siberia and Interior Alaska and their Impact on Permafrost Landscapes, Ecosystem Dynamics, and Hydrological Regime (0731739)
<b>NSF Program and Manager</b>	NSF/OPP ANS, Dr. William Wiseman <b>AND</b> NSF/OD\OPPARC\ARCSS\AON, Dr. Neil Swanberg <b>AND</b> NSF/EHR\DRL, Dr. Sharon Locke
<b>PFS Project Managers</b>	Steve Hastings

### LOGISTICS SUMMARY

<p><b>0612533 / 0632400 / 0731739:</b></p> <p>These three permafrost projects have established and continue to expand a permafrost monitoring network in Alaska, Canada, Russia, and Greenland. The PIs work in close collaboration, particularly for their efforts in the greater Barrow area, the focus of this document. A team of two visits Barrow twice annually to maintain established permafrost monitoring sites in the area (0612533/0632400) as well as to conduct permafrost outreach work at area schools (0731739). In 2009, these visits will occur in April and September. Side trips in 2009 include Atqasuk, Wainwright, Pt. Lay, and Nuiqsut.</p> <p>Working via a subcontract, BASC will provide access to the Barrow area infrastructure. CPS will provide support for remote trips. CPS will document support for non-Barrow based work in a separate plan.</p>
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For the complete CPS online project record for these grants, including science objectives, go to:

- [http://www.polar.ch2m.com/arlss\\_reports/arlss\\_projectsdetail.asp?cbPropNum=0612533](http://www.polar.ch2m.com/arlss_reports/arlss_projectsdetail.asp?cbPropNum=0612533)
- [http://www.polar.ch2m.com/arlss\\_reports/arlss\\_projectsdetail.asp?cbPropNum=0632400](http://www.polar.ch2m.com/arlss_reports/arlss_projectsdetail.asp?cbPropNum=0632400)
- [http://www.polar.ch2m.com/arlss\\_reports/arlss\\_projectsdetail.asp?cbPropNum=0731739](http://www.polar.ch2m.com/arlss_reports/arlss_projectsdetail.asp?cbPropNum=0731739)

### OUTSTANDING ACTIONS AND NOTES

Issue	Responsibility	Date Completed / Comment
Review and confirm approved NSF scope	PI	Complete
Visit all hyperlinks and review all documents referred to in the support plan	Field Team Members	
Make housing reservation and select meal plan at least 3 weeks prior to desired arrival date	Field Team Members	Complete
Identify project POC for planning process & for field deployments	PI	September POC is TBD
Apply for all necessary permits for fieldwork	PI	In process



Identify any hazardous materials by completing the form found at the following link: <a href="http://www.arcticscience.org/images/cheminvblank.xls">http://www.arcticscience.org/images/cheminvblank.xls</a>	PI	In process
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### APPROXIMATE FIELD DATES

For the most up to date info for upcoming work, see the online reservations sheet.

Trip	Dates	POC
April work	4/5-4/9	Yoshikawa
September work	TBD	TBD

### ALLOCATIONS AND SERVICES

The below tables describe the NSF-approved support scope for your project. Your support will be managed to these allocation levels. Requests to exceed this scope will require NSF approval. The 2009 Scope Management Policy is available here: <http://www.arcticscience.org/pdf/BarrowScopePolicy.pdf>

#### Barrow Housing & Meals

Support	Description	Unit	Allocation	Comment
lodging/meals	April – 2p, 10d	Days	20	Yoshikawa, Overduin, only coming for 5 days
lodging/meals	Sept– 2p, 2d	Days	4	Names TBD
			<b>24</b>	<b>NSF-approved scope</b>

All team members should familiarize themselves with the 2009 Housing / Reservations Policy and the 2009 Meals policy at their earliest convenience. The complete policies can be found online at:

- <http://www.arcticscience.org/pdf/barrowreservationhousingpolicy.pdf>
- <http://www.arcticscience.org/pdf/barrowmealpolicy.pdf>

Make housing reservations and select a meal plan at least 3 weeks prior to your arrival date. The reservations form is available here:

<http://spreadsheets.google.com/viewform?hl=en&formkey=cDcxU2ZhNmI0dy1mZ0FYQnNhLTiiUIE6MA>.

Confirmed reservations can be viewed here:

<http://spreadsheets.google.com/pub?key=p71Sfa6itw-fgAXBsa-9bRQ>

#### Lab Space

Support	Description	Unit	Allocation	Comment
Lab/office	April trip	Days	NA	None, just library
Lab/office	Sept trip	Days	NA	None, just library
			<b>0</b>	<b>NSF-approved scope</b>

#### Vehicles

Support	Description	Unit	Allocation	Comment
Truck, 1 ea	April trip	Days	10	
Truck, 1 ea	Sept trip	Days	2	



Snowmachine, 2 ea	April trip	Days	10	2 snow machines, 5 days
				<b>22 NSF-approved scope</b>

**Field Equipment Inventory**

Support	Description	Unit	Allocation	Comment
Sled, 1 ea	April trip	Days	10	
Little Beaver	April trip	Days	5	Borrow from Hinkel

**Information Technology**

Support	Description	Unit	Allocation	Comment
IT	Email support	Lot	1	

**Guides, coordinators, and community participants**

Support	Description	Unit	Allocation	Comment
None				

**Other Services**

Support	Description	Unit	Allocation	Comment
Ticket	April trip to Wainwright	Ea	1	Day trip - CPS will reimburse researcher directly for expense
Ticket	April trip to Atqasuk	Ea	1	Day trip - CPS will reimburse researcher directly for expense
Charter	April trip to Pt. Lay & Nuiqsut	Lot	1	CPS will procure

*For expense reimbursements please contact Dana Truffer Moudra in the Alaska office. See Project Contact Information, below.*

**Permits**

Support	Description	Unit	Quantity	Comment
UIC permit	1 per person per year	Ea	4	
NSB Permit	1 per project per year	Ea	1	

**RESEARCH TEAM INFORMATION**

**0612533**

Role	Name	Email	Phone / Fax
Principal Investigator	Vladimir Romanovsky	<a href="mailto:ffver@uaf.edu">ffver at uaf.edu</a>	907.474.7459 /907.474.7290
Co-PI	John Walsh	<a href="mailto:walsh@atmos.uiuc.edu">walsh at atmos.uiuc.edu</a>	217.333.7521 /217.244.4393
Co-PI	Kenji Yoshikawa	<a href="mailto:ffky@uaf.edu">ffky at uaf.edu</a>	907.474.6090 /907.474.7979



**0632400**

Role	Name	Email	Phone / Fax
Principal Investigator	Vladimir Romanovsky	<a href="mailto:ffver@uaf.edu">ffver at uaf.edu</a>	907.474.7459 /907.474.7290
Co-PI	Kenji Yoshikawa	<a href="mailto:ffky@uaf.edu">ffky at uaf.edu</a>	907.474.6090 /907.474.7979

**0731739**

Role	Name	Email	Phone / Fax
Principal Investigator	Kenji Yoshikawa	<a href="mailto:ffky@uaf.edu">ffky at uaf.edu</a>	907.474.6090 /907.474.7979
Co-PI	Vladimir Romanovsky	<a href="mailto:ffver@uaf.edu">ffver at uaf.edu</a>	907.474.7459 /907.474.7290

**PROJECT CONTACT INFORMATION**

**BASC/CPS Team Members**

Contact for	Name	Email	Primary Phone(s)
Program Development	Glenn Sheehan	<a href="mailto:BASC@arcticscience.org">BASC at arcticscience.org</a>	907.852.4881 (v) 907.367.3815 (c)
New science requests, scope changes to existing requests	Steve Hastings	<a href="mailto:steve@polarfield.com">steve at polarfield.com</a>	907.852.0904 (v) 907.388.0565 (c)
Lodging and lab assignments	Bryan Thomas	<a href="mailto:bryan.thomas@arcticscience.org">bryan.thomas at arcticscience.org</a>	907.852.0903 (v) 907.367.3797 (c)
Station Management, Vehicles, Field Equipment, Temporary Labor	Lewis Brower	<a href="mailto:lewis.brower@arcticscience.org">lewis.brower at arcticscience.org</a>	907.852.0905 (v) 907.367.3813 (c)
IT Support	Brad Heaston	<a href="mailto:brad.heaston@arcticscience.org">brad.heaston at arcticscience.org</a>	907.852.0902 (v) 907.367.3836 (c)
Meal Expense Reimbursements	Dana Truffer Moudra	<a href="mailto:dana@polarfield.com">dana at polarfield.com</a>	907.455.4271 (v) 907.388.2498 (c)

**Offices**

Barrow/BASC	Fairbanks/CPS	Denver/CPS
BASC 360 NARL Street Room L-206, Box 577 Barrow, AK 99723 Tel: 907.852.4881 Fax: 907.852.4882	CH2M HILL Polar Services Alaska Office 2325 King Road Fairbanks, AK 99709 Tel: 907.455.4214 Fax: 907.455.4126	CH2M HILL Polar Services Western Office 8110 Shaffer Parkway, Suite150 Littleton, CO 80127 Tel: 303.984.1450/1439 Fax: 303.984.1445