

4th Annual PPS Arctic Meeting

14-17 April 2009

Volkovo village, Zvenigorod, Russia





Welcome

- Aim of the meeting
- Our role and responsibilities as an IPY core project
- PPS Arctic structure and its possibilities
- Results for the future





Annual Meetings

- 2005 - Start up discussions
- 2006 - Project construction
- 2007 - PPS Arctic Manual
- 2008 - Products
- **2009 - Results**
- 2010 - Results, Open science conference



Aim of the 2009 Meeting

- Result presentations
 - Project level
 - National level
 - Bilateral
 - Circumpolar
- Encourage
 - Circumpolar collaboration
 - Young scientist and student exchange
- Poster sessions and Group meetings



Our role and responsibilities as an IPY core project

Fingerprint of today in a 50-year perspective

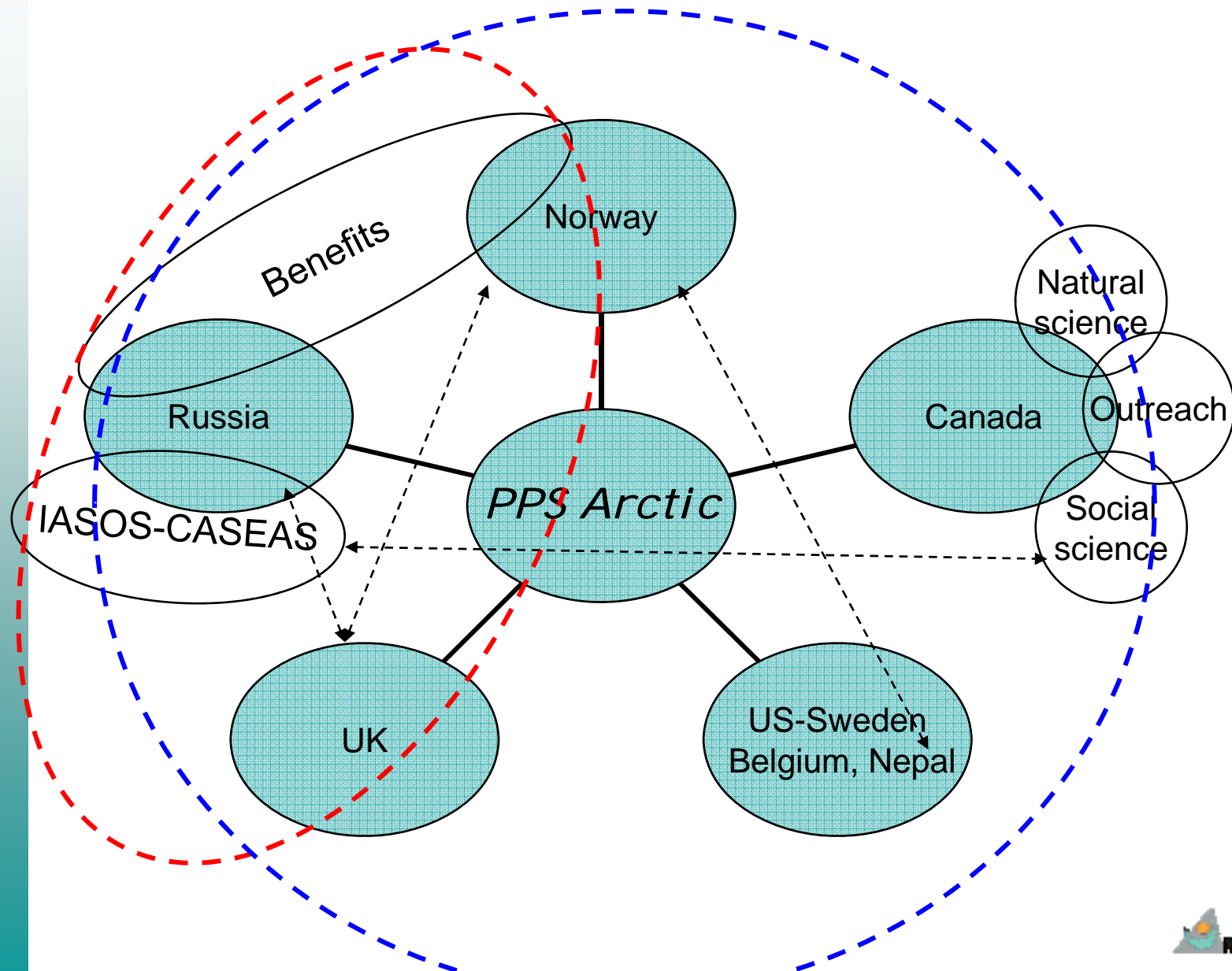
IPY Characteristics:

- Address convincing science issues
- Research activities that would not otherwise occur
- Internationally coordinated polar observations and analysis
- Attract and develop next generation of polar scientists
- Engage the public
- Plus: Multidisciplinary, Bipolar, Innovative technology, Societal relevance





PPS Arctic network structure





PPS Arctic Personnel

*Personnel within
active projects:*

	Norway	Russia	UK	Canada	US	Other	<i>Total</i>
PI 's	2	13	1	20	3	1	<i>40</i>
Postdocs	1	4	0	3	1	0	<i>9</i>
Graduate students	4	9	3	36	2	2	<i>56</i>
Collaborators & assistants	4	4	0	31	0	0	<i>39</i>
Total	11	30	4	90	6	3	144



Results for the future

- National level
- Bilateral level
- Circumpolar level

- Individual scientific publications
- Joint topic-specific publications
- Joint cross-topic publications

Results for the future

- National networks
- Bilateral networks
- Circumpolar network

- Field sites
- New young skilled scientists
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Meeting Agenda

Preliminary Agenda
4th Annual PPS Arctic Meeting
 14-17 April 2009
 Vukovo village, Zvenigorod, Russia

Tuesday, 14 April

16:00	Coach from MSU to Universitetskiy conference centre, Vukovo village near Zvenigorod (travel time 1-1.5 hours)
18:00	Registration
19:00	Dinner

Wednesday, 15 April

08:00	Breakfast
09:00	Olga Tutubalina and Elena Golubeva Welcome from Moscow State University
09:10	Annika Hofgaard Welcome to the 4 th Annual PPS Arctic Meeting Aim of the meeting and brief update on PPS Arctic
09:30	Olga Tutubalina Natural science activities within Benefits/Russia
09:40	Gareth Rees UII group activities, progress and results
09:40	Brian Starzomski PPS Arctic Canada activities, progress and results
10:00	Tatiana Vlasova PPS Arctic social science activities and collaborations
10:20	Annika Hofgaard PPS Arctic Research activities, progress and results
10:20	Coffee/tea and poster setup
10:50	David Hik Invited overview presentation: The role of snow in structuring the forest-shrub-tundra ecotones: upscaling in subarctic mountains
11:20	Catherine Plewe and Serge Payette A biogeographical analysis of the distribution and colonization of frost hollows along a latitudinal gradient
11:40	Ingrid E. Mathison and Annika Hofgaard Climate growth relationship in <i>Pinus sylvestris</i> along coast-land gradients

Last updated: 30 March 2009

12:30	Joanne Savard and Serge Payette Vegetation dynamics on Alpine summits in the boreal forest (Quebec, Canada)
12:30	Natalia Lukina et al. Plant-induced variability in soil nutritional status in the forest-tundra ecotone on the Kola peninsula
12:40	Brian Starzomski The relationship between bird communities and vegetation across a treeline ecotone in the Mealy Mountains, Labrador, Canada
13:30	Lunch
14:00	Melissa Vachon Migratory caribou activity in the vicinity of the hydroelectric reservoirs of La Grande Complex, James Bay, Subarctic Quebec
14:20	Tatiana Vlasova et al. Socially-oriented observations in coupled human-nature system investigations in the Russian North within IFF PPS Arctic
14:40	Andrey Melnyev Organization and visualization of spatial information for northern socially-oriented observations
15:30	Poster Session
15:30	Coffee/Tea
16:30	Poster Session continued
17:30	Topic-specific Group meetings
19:00	Dinner

Thursday, 16 April

Scientific program continued - Chair G. Rees

08:30	Breakfast
08:30	Gareth Rees Remote sensing activities in PPS Arctic
08:45	Gareth Rees et al. Position and dynamics of the circumarctic forest boundary from coarse-resolution satellite imagery
09:30	Hans Tammerik et al. The dynamics of the forest lines (spruce and pine) in northern Norway and Kola Peninsula (Russia) revealed by spectral unmixing of multi-sensor satellite images in the period 1972 - 2007
09:30	Olga Tutubalina et al. An approach for mapping micro-mosaic structure of plant cover through integrating field data and high resolution images of the forest-tundra ecotone in the Kola Peninsula
09:40	Mikhail Zimin et al. Using information from geopotentials for mapping the northern forest line boundary
10:30	Coffee/Tea
10:30	Anna Mikheeva et al. 50 years of treeline change in Khibiny mountains

Last updated: 30 March 2009

10:40	Valentina Kravtsova, Aleksandra Loshkareva Changes of forest-tundra vegetation distribution in Karentavr key site (Kola Peninsula) since 1960
11:00	David Hik et al. Patterns of treeline change in the southwest Yukon
11:20	Christine Struphelle, Gareth Rees Remote Sensing of Human impact on the Position and Structure of the Northern Treeline
11:40	Zaika Yu, Vikulina M. Climate and snow precipitation in central Kola Peninsula
12:30	Poster Session
14:00	Topic-specific Group meetings
15:00	Coffee/Tea
15:30	All General discussion
16:30	Annika Hofgaard PPS Arctic and the Future
19:00	Conference Dinner

Friday, 17 April

(Excursion and transport to Moscow)

08:00	Breakfast
10:00	Coach to Solovki-Dorozhevsky Monastery in Zvenigorod for excursion
11:00	Lunch in Zvenigorod
14:00	Coach leaves to Moscow, to bring participants to hotel(s) near MSU
15:30	Arrival to Moscow, check into hotel
16:30	Informal excursion to the Red Square lead by Moscow team members
Evening	Dinner, Moscow city centre

Saturday, 18 April

11:00	(Extra excursion and sightseeing in the city centre (e.g. to Tretyakov Picture Gallery, can be lead by Moscow team members))
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Last updated: 30 March 2009



Update by national groups

- Status of included projects
- Funding situation
- Active sites
- Geographical region/s
- Themes
- Student involvement
- The future

Good luck with the meeting!



History of PPS Arctic

