

Russian Permafrost Field Courses - Summer 2007

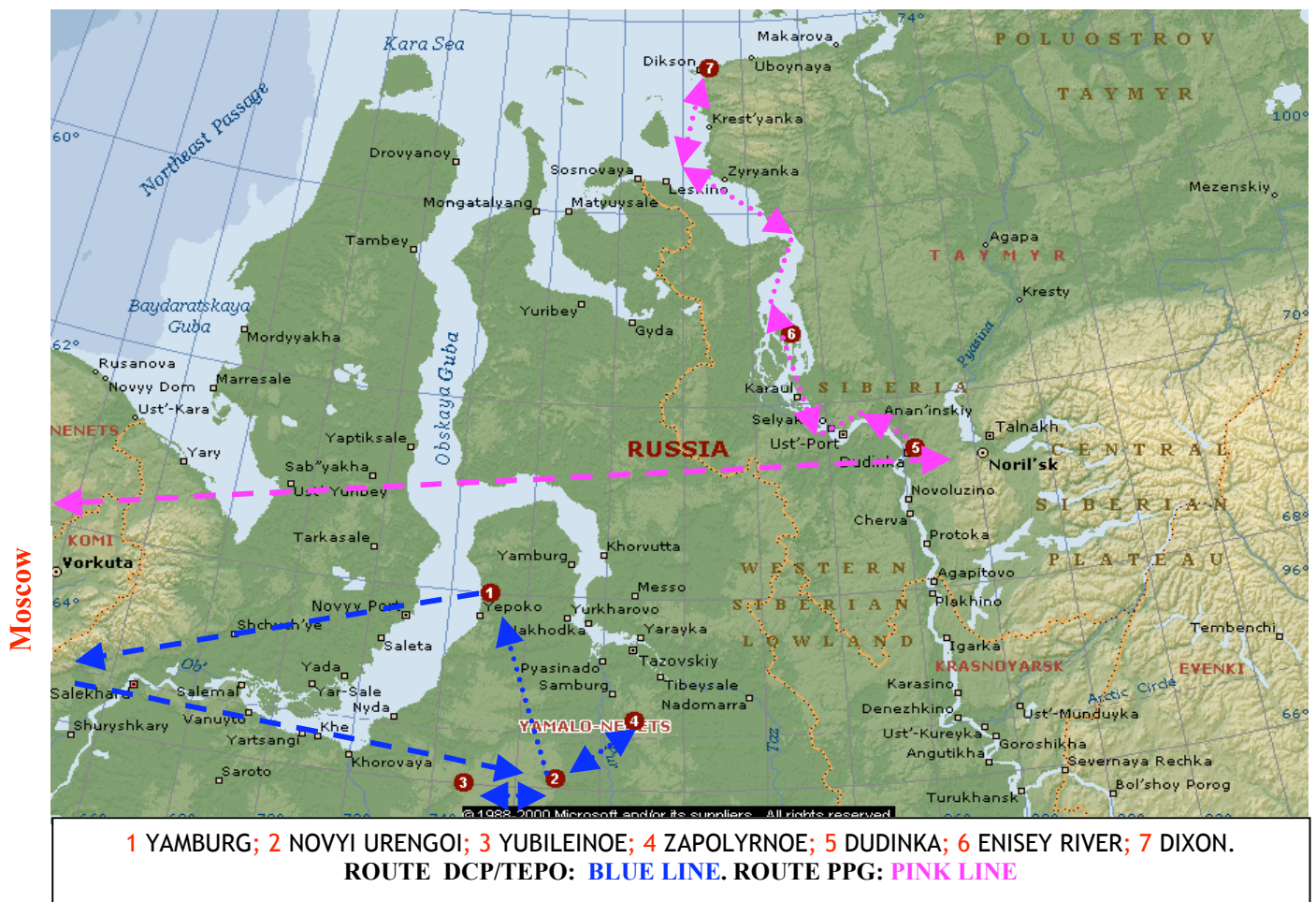
The Geography Faculty, Moscow State University, is hosting the Russian International University Courses on Permafrost (IUCP) as part of the IPA International Polar Year activities. Two courses are offered in summer 2007.

- (1) Permafrost and Periglacial Geomorphology of Western Siberia and Western Taymyr, Enisey River
- (2) Dynamics of Cryogenic Processes and Technogenic and Environmental Permafrost Observatories, West Siberia

Cost of the individual courses is still being negotiated and depends on the number of

students. Students interested in attending the summer school must submit an application form and letter of recommendation from a professor or senior scientist by 15 February 2007 to: registration@permafrostcourses.org

Applicants will be notified in early March 2007 of the success of their application, the final costs, and arrival information for Moscow. Further information will appear online at: <http://www.permafrostcourses.org>. The site is currently under construction. Contact course organizers for more information.



Brief Course Descriptions

(1) The course **Permafrost and Periglacial Geomorphology of Western Siberia and Western Taymyr (PPG)** is planned for the period 20 July-05 August 2007. Route: Moscow - Dudinka (5) - Dixon (7) - Dudinka (5) - Moscow. It is aimed primarily for PhD and MS students and

teachers interested in permafrost and periglacial geomorphology, and other disciplines related to ecology of the North. The course will be given abroad a ship with frequent stops to view exposures on the Enisey River (6) and Gulf. Lectures by senior scientists, field studies and posters will be in English. The main content of the course involves field investigations and

methodologies employed in Russian permafrost investigations and include:

- morphology and landscapes of typical tundra and arctic tundra
- Quaternary stratigraphy
- permafrost processes
- cryogenic structure of the grounds including massive ground ice and ice wedges
- cryogenic weathering,
- active layer observations
- coastal dynamics
- climate and permafrost temperature observations

Estimated cost is between \$2500 and \$5000 US upon arrival in Moscow.

For further information, contact either:

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(2) The course **Dynamics of Cryogenic Processes and Technogenic and Environmental Permafrost Observatories, West Siberia (DCP/TEPO)** is planned for the period 05-26 July 2007 and is organized by the Department of Cryolithology and Glaciology Geography Faculty, Moscow State University and the Tyumen State Oil and Gas University (TSOGU). Route: Moscow-Novyi Urengoi (2) - Yubileynoe Gas Field (3) - Novyi Urengoi (2)- Zapolrnoe Gas Field (4) - Novyi Urengoi (2) - Yamburg (1) - Moscow. It is aimed primarily for PhD and MS students and teachers interested in permafrost and periglacial geomorphology, industrial development and other disciplines related to ecology of the North. The course will consist of visits field sites in West Siberia that are influenced by oil and gas developments. Lectures

by senior scientists, field studies and posters will be in English. The main content of the course involves field investigations and methodologies employed in Russian permafrost investigations and include:

- Quaternary history of permafrost development
- modern state of permafrost and its dynamics under climate change and technogenic impacts
- active layer investigations in various types of tundra
- thermoabrasion and other cryogenic processes
- permafrost monitoring and engineering geocryology
- monitoring sites of the Subarctic Center
- renewal of the disturbed landscapes
- paleocryogenic formations and permafrost affected soils
- permafrost landscapes of northern West Siberia hydrological and hydrogeological conditions
- technological processes of gas complexes

Estimated cost is \$2000 upon arrival in Moscow.

For further information, contact either:
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For more information about permafrost see
<http://www.geo.uio.no/IPA/> and
<http://www.pyrn.org>

