



Summer schools for students at the International Arctic Research Center

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IARC's mission is to serve as a focal point of excellence of international collaboration and to provide the arctic research community with an unprecedented opportunity to share knowledge about science in the Arctic. In addition to research conducted at IARC in collaboration with scientists worldwide, education and outreach are major components of IARC's activities. Visiting scientists, workshops, and short courses (such as this "summer school") are vehicles for education and outreach at IARC.

Research at IARC is carried out under four major themes:

1. Arctic Ocean Models and Observation 2. Arctic Atmosphere: Feedbacks, Radiation, Weather Analysis 3. Permafrost/Frozen Soil Models and Observations 4. Arctic Biota/Vegetation (Ecosystem Models)

At a higher level of integration, research under these themes contributes to an improved understanding of the arctic hydrologic and carbon cycles, which in many respects are the keys to the future evolution of arctic climate. At the highest level, IARC's research is targeted at the ultimate objective of "Reducing Uncertainty in Arctic Climate Change Prediction ."

So far we organized three summer school at IARC. The theme in 2003 was "Arctic climate modeling". In 2004 we organized a workshop devoted to the arctic terrestrial ecosystems. Summer school onboard the russian icebreaker i"kapitan Dranitsyn" was organized in 2005 in parallel with our major ocean observing program (NABOS). The summer course in 2006 will build upon IARC's expertise in arctic climate, hydrology and ecosystems embodied by the research themes listed above. Plans for 2006 and future years include organizing summer courses on the icebreaker and other IARC research programs.

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