

Agenda of the meeting
Results of the First Year of Atmospheric Observations at
The International Tiksi Hydrometeorological Observatory
(Arctic and Antarctic Research Institute, 18-20 September 2012)

September 18

9:00 – 9:30

Opening of Meeting (5 min A.I., Danilov, AARI)

Welcome from Roshydromet (5 min –Yu. S. Tsaturov)

Welcome from NOAA (5 min - D. Legler)

Welcome from FMI - (5 min - A. Laaksonen)

Welcome from YGMS (5 min Yu. A. Dikhtarenko)

9:30 – 10:00 Goals of the Meeting and Review of the History of the Tiksi Observatory and Current Infrastructure and Operation Status (A. Makshtas, T. Uttal, T. Laurila)

10:00 – 10:30 Coffee Break

Convener A. Makshtas

10:30 – 10:45 Climate of Tiksi region from the historical instrument records of surface and upper air observations (N. Ivanov, I. Bolshakova, O. Zukova, A. Makshtas)

10:45-11:00 Comparison of ozone depletion events between Tiksi and Barrow (P. Sheridan, T. Uttal, L. Patrick, S. Oltzman)

11:00-11:15 The NOAA/ERSL Global Surface Aerosol Monitoring Network: The measurements, relation to the GAW network and future possibilities for Tiksi (P. Sheridan)

11:15 – 11:30 Preliminary results of POPs monitoring in HMO of Tiksi (A. Konoplev, E. Volkova, G. Dydko, A. Kochetkov, E. Pacenkova, A. Ruchkov, D. Samsonov)

11:30 – 11:45 Greenhouse gas observations at HMO Tiksi: Comparison of measurement techniques of NOAA/ESRL, FMI and MGO (N. Paramonova, A. Reshetnikov, A. Zinchenko, V. Ivakov, V. Privalov, K. Kazakova)

11:45 – 12:00 Investigations of methane emission in HMO Tiksi region (A. Reshetnikov, V. Ivakhov).

12:00 – 12:15 Micrometeorological fluxes of carbon dioxide and methane (M. Aurela, T. Laurila, J. Hatakka, A. Laaksonen)

12:15 – 12:30 Atmospheric concentrations of methane and carbon dioxide (T. Laurila, J. Hatakka, M. Aurela, A. Laaksonen)

12:30 -12:45 Measurements of Atmospheric Black Carbon in Arctic Regions (T. Uttal)

12:45 – 13:00 Observations of black carbon in snow in the Arctic (J. Svensson, D. Brus, E. Asmi, H. Lihavainen, A. Laaksonen)

Lunch: 13:00 – 14:00

Convener T. Uttal

14:00 – 14:15 Measurements of aerosol size distribution in the Arctic (E. Asmi, D. Brus, H. Lihavainen, T. Laurila, A. Laaksonen)

14:15 – 14:30 Variability of aerosol optical parameters of atmosphere at the stations of the Southern and Northern polar regions in the first decade of 21 century (V. Radionov, E. Rusina, E. Sibir)

14:30 – 14:45 Characteristics of the radiation balance of the tundra from measurements at HMO Tiksi and Comparison of BSRN and Russian Radiation Techniques (V. Kustov, A. Makshtas)

14:45-15:00 Boundary-layer measurements and surface fluxes in the Canadian Arctic at Eureka observatory (A. A. Grachev, T. Uttal, P. O. G. Persson, R. S. Stone, and R. Albee).

15:00-15:15 The preliminary results of Boundary-layer measurements in Tiksi (A. Artamonov, I. Repina, A. Makshtas, A. Grachev, T. Uttal, and R. Albee)

15:15 -15:30 Processes Affecting the Annual Surface Energy Budget at High-Latitude Terrestrial Sites in the Canadian Arctic (O. Persson)

15:30-15:45 Measurements of the characteristics of tundra plant cover in the vicinity of flux measurements (M. Linkosalmi, T. Virtanen, J. Mikola, M. Aurela, T. Laurila)

15:45–16:00 Observations and modeling of the thermodynamic processes in active soil layer (P. Bogorodsky, A. Makshtas, V. Kustov)

16:00–16:15 Investigations of fast ice in the Sogo Bay (A. Makshtas, P. Bogorodsky, V. Kustov)

16:15-16:30 Coffee Break

Convener T. Laurila

16:30 -16:45 Polar Satellite Products and Applications (J. Key)

16:45-17:00 The program of atmospheric measurements at the background monitoring IFA RAN Zotino station (K. Moisienko)

17:00 – 17:15 The data collection and transmission system at the Tiksi Hydrometeorological Observatory (D. Apartsev, T. Afanasyeva)

17:15- 17:30 Datagrams: A method for understanding data (Taneil Uttal)

18:30 – 20:30 Banquet

September 19

9:00-9:40 Arctic Research Programs (10 min each)

International Arctic Systems for Observing the Atmosphere IASOA (T. Uttal)

Global Cryosphere Watch (J. Key)

MOSAIC (O. Persson)

North Pole Russian Drifting Stations (A. Makshtas)

9:40-10:10 Agency Missions at HMO Tiksi (10 min each)

Roshydromet missions and Tiksi Observatory (A. Danilov)

NOAA missions and the Tiksi Observatory (D. Legler)

FMI missions and the Tiksi Observatory (A. Laaksonen)

10:10 – 10:40 On the further work to give HMO Tiksi the status of GAW WMO station (A. Reshetnikov, A. Makshtas, T. Uttal, T. Laurila)

10:40 – 11:00 Coffee Break

11:00 -13:00 Small Group Discussions

13:00 -14:00 Lunch

14:00 -17:30 Plenary Group Discussion on the plan of research for the HMO Tiksi and preparation of first version of meeting report

September 20

9:00 - 10:30: Discussion and signing of meeting notes

Close of General Meeting

10:30 -12:30 Meeting of Agency program managers and Tiksi project leaders to draft the plan of operation and responsibilities for HMO Tiksi