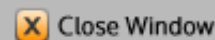




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**CONTROL ID:** 1466151**TITLE:** Northern Eurasia Earth Science Partnership Initiative in 2012: An Update

**ABSTRACT BODY:** Seven years ago NEESPI was launched with the release of its Science Plan (<http://neespi.org>). Gradually, the Initiative was joined by numerous international projects launched in EU, Russia, the United States, Canada, Japan, and China. Throughout its duration, NEESPI served and is serving as an umbrella for more than 150 individual international research projects. Currently, the Initiative is in full swing. The total number of the ongoing NEESPI projects (as on July 2012) is 50 and has changed but slightly compared to its peak (87 in 2008).

The past one and half years (2011 through mid-2012) were extremely productive in the NEESPI outreach. We organized five Open Science Sessions at the three major Geoscience Unions/Assembly Meetings (AGU, EGU, and JpGU) and four International NEESPI Workshops. The programs of two of these Workshops (in Tomsk and Irkutsk, Russia) included Summer Schools for early career scientists.

More than 230 peer-reviewed papers, books, and/or book chapters were published or are in press (this list was still incomplete at the time of preparation of this abstract). In particular, a suite of 24 peer-reviewed NEESPI articles was published in the Forth Special NEESPI Issue of "*Environmental Research Letters*" (<http://iopscience.iop.org/1748-9326/focus/NEESPI3>). Northern Eurasia is a large study domain. Therefore, it was decided to describe the latest findings related to its environmental changes in several regional monographs in English. Three books on Environmental Changes in the NEESPI domain were published by Springer Publishing. House (Gutman and Reissell, eds., 2011; Groisman and Gutman eds. 2013) and "Naukova Dumka" of Ukraine (Groisman and Lyalko, eds. 2012) being devoted to the high latitudes of Eurasia, to Siberia, and to Eastern Europe respectively. One more book by J. Chen et al. (eds.) *Dryland East Asia: Land Dynamics amid Social and Climate Change* has been prepared by the members of the NEESPI team for Springer and will be published in the first half of 2013.

In this presentation, the description of the NEESPI Program will be complemented with an overview of the results presented in three latest our books "*Earth System Change over Eastern Europe*", "*Regional Environmental Changes in Siberia and Their Global Consequences*", and "*Dryland East Asia: Land Dynamics amid Social and Climate Change*".

Cited references:

Gutman, G. and A. Reissell (eds.) 2011: *Arctic land cover and land use in a changing climate: Focus on Eurasia*. VI, Springer, Amsterdam, The Netherlands, 306 pp.

Groisman, P.Ya. and V.I. Lyalko (eds.), 2012: *Earth Systems Change over Eastern Europe*. Naukova Dumka, Kiev, The Ukraine, 487 pp.

Groisman and Gutman (eds), 2013: *Environmental Changes in Siberia: Regional Changes and their Global Consequences*. Springer, Amsterdam, The Netherlands, 357 pp.

**CURRENT SECTION/FOCUS GROUP:** Global Environmental Change

**CURRENT SESSION:** GC019. Environmental, Socio-economic and Climatic Change in Northern Eurasia and Their Feedbacks to the Global Earth System

**INDEX TERMS:** [1610] GLOBAL CHANGE / Atmosphere, [1615] GLOBAL CHANGE / Biogeochemical cycles, processes, and modeling, [1637] GLOBAL CHANGE / Regional climate change, [1719] HISTORY OF GEOPHYSICS / Hydrology.

**AUTHORS/INSTITUTIONS:** P.Y. Groisman, UCAR at NOAA/NCDC, Asheville, NC;  
R.G. Lawford, , International GEWEX Project Office, Washington, DC;  
V. Kattsov, , Voeikov Main Geophysical Observatory, St. Petersburg, RUSSIAN FEDERATION;

**SPONSOR NAME:** Pavel Groisman

**CONTACT (E-MAIL ONLY):** pasha.groisman@noaa.gov

**TITLE OF TEAM:**

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