



Northern Eurasia Earth Science Partnership Initiative in the past 12 months: An Update

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Eight years ago Northern Eurasia Earth Science Partnership Initiative (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 155 individual international research projects. Currently, the total number of the ongoing NEESPI projects (as on January 2013) is 48 and has changed but slightly compared to its peak (87 in 2008). The past 12 months (from the previous EGU Assembly) were extremely productive in the NEESPI outreach. We organized three Open Science Sessions at the three major Geoscience Unions/Assembly Meetings (JpGU, AGU, and this EGU Session) and three International NEESPI Workshops. The programs of two of these Workshops (in Yoshkar Ola and Irkutsk, Russia) included Summer Schools for early career scientists. More than 150 peer-reviewed papers, books, and/or book chapters were published in 2012 or are in press (this list was still incomplete at the time of preparation of this abstract). In particular, a suite of 25 peer-reviewed NEESPI articles was published in the Forth Special NEESPI Issue of "Environmental Research Letters" (ERL) <http://iopscience.iop.org/1748-9326/focus/NEESPI3> (this is the third ERL Issue). In December 2012, the next Special ERL NEESPI Issue was launched <http://iopscience.iop.org/1748-9326/focus/NEESPI4>. 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 the University of Helsinki (Groisman et al. 2012), "Akademperiodyka" (Groisman and Lyalko 2012), and Springer Publishing House (Groisman and Gutman 2013) being devoted to the high latitudes of Eurasia, to Eastern Europe, and to Siberia respectively. We expect that one more book (Chen et al. 2013) will be published simultaneously by Higher Education Press and De Gruyter Publ. House prior to commence of this Assembly.

In this presentation, the description of the NEESPI Program will be complemented with an overview of the results presented in the 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" and the future of the Initiative will be discussed.

Cited references:

- Groisman, P.Ya., A. Reissell, and Marjut Kaukolehto (eds.) 2012: Proceedings of the Northern Eurasian Earth Science Partnership Initiative (NEESPI) Regional Science Team Meeting devoted to the High Latitudes. Report Series in Aerosol Science, No. 130, Helsinki, Finland, 153 pp.
- Groisman, P.Ya. and V.I. Lyalko (eds.) 2012: Earth Systems Change over Eastern Europe. Akademperiodyka, Kiev, The Ukraine, 488 pp. ISBN 978-966-360-195-3.
- Groisman and Gutman (eds.) 2013: Environmental Changes in Siberia: Regional Changes and their Global Consequences. Springer, Amsterdam, The Netherlands, 357 pp. doi:10.1007/978-94-007-4569-8
- Chen, J., S. Wan, J. Qi, G. Henebry, M Kappas, and G. Sun (eds.) 2013: Region of East Asia: Land Dynamics amid Social and Climate Change. Beijing: Higher Education Press and Berlin: De Gruyter. (in press)