

Linking TRAKT project to the PEEEX networking

Hanna K. Lappalainen



E-mail: hanna.k.lappalainen@helsinki.fi

Institute for Atmospheric and Earth System Research (INAR) / Physics Faculty of Science, University of Helsinki (UH), Finland
<https://www.helsinki.fi/en/inar-institute-for-atmospheric-and-earth-system-research>

& Markku Kulmala, Tuukka Petäjä, Alexander Mahura, Risto Makkonen, Sergej Zilitinkevich

At current moment the Pan-Eurasian EXperiment programme (PEEX) network includes more than 4000 researchers worldwide. The existing PEEEX dissemination platform and communication tools will be used for presenting and promoting the TRAKT-2018 project (*TRAnsferable Knowledge and Technologies for high-resolution environmental impact assessment and management*) for the PEEEX community.

The information is distributed through the PEEEX official website (<https://www.atm.helsinki.fi/peex> - in English, Russian and Chinese), e-news, instagram, twitter (https://twitter.com/PEEX_News), e-mailing list (<https://www.atm.helsinki.fi/peex/index.php/peex-e-mailing-list>), newsletters (<https://www.atm.helsinki.fi/peex/index.php/newsletter>). So far the PEEEX programme signed more than 30 PEEEX Memorandum of Understanding (MoU) with universities and research institutes in Russia and China (<https://www.atm.helsinki.fi/peex/index.php/mou>).

As part of the TRAKT project, during the official kick-off-meeting (22-24 Jan 2018, St. Petersburg, Russia; Fig. 1) such MoUs were signed also with 3 Russian partners involved into the project – the Nansen International Environmental and Remote Sensing Center (NIERSC; <http://www.niersc.spb.ru>; St. Petersburg), the Scientific Research Center for Ecological Safety (SRCES; <http://ecosafety.spb.ru>; St. Petersburg) and the Kola Science Center of the Russian Academy of Sciences (KSC RAS; <http://www.kolasc.net.ru/english/index.html>; Apatity, Murmansk region).



Moreover, basic information about the TRAKT project is linked to the PEEEX official website and available at: <https://www.atm.helsinki.fi/peex/index.php/trakt-2018>. The TRAKT activities are well linked with two PEEEX focus areas (Fig. 2) such as the “Knowledge Transfer” and “Impact on Society”.

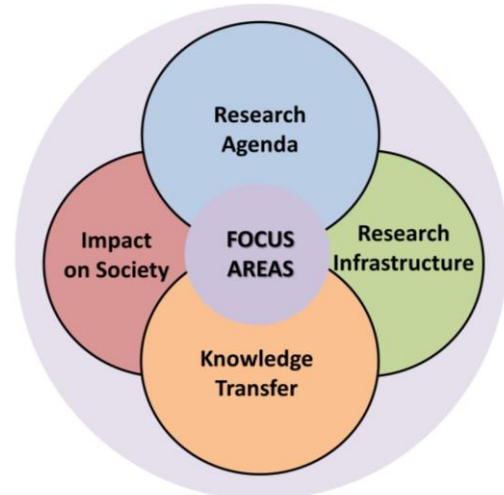


Figure 2. PEEEX is represented by 4 main focus areas: Research Agenda, Research Infrastructures, Impact on Society, Knowledge Transfer.

The “Knowledge Transfer” focus area directs towards educational programs at multiple levels, strengthening future research communities, and raising awareness of global changes and environmental issues. And in particular: (i) to educate the next generation of multidisciplinary experts and scientists capable of finding tools for solving grand challenges; (ii) to increase public awareness of climate change impacts in the Pan-Eurasian region; (iii) to distribute the new knowledge and data products to scientific communities and the public sector; and (iv) to deliver tools, scenarios and assessments for climate policy makers and authorities.

The “Impact on Society” focus area addresses key aspects related to mitigation and adaptation strategies. It also involves planning for preparing northern societies to cope with environmental changes, developing reliable early-warning systems, and addressing the role of new technology in the implementation of these strategies and plans.

As part of the PEEEX Working Groups meeting (scheduled for 1-2 November 2018, Helsinki, Finland), the TRAKT partners were invited to present the achieved results to a wider PEEEX community. TRAKT is also invited to contribute to the 4th PEEEX Science Conference (2019, Helsinki). Materials and results of the project are expected to be included into lecture courses at Universities. In addition, the INAR-UHEL team is also agreeing to provide the Enviro-HIRLAM model through signing agreement on the model code transfer and use for research, development and educational purposes for the project partners. A closer involvement and project contribution are also expected as part of the PEEEX climate policy making and to international forums, decision-makers and national authorities (see more information in the PEEEX Science Plan, sections 5.2 & 6.1).

References:

PEEX (2015). *Pan-Eurasian EXperiment Science Plan*. Eds. Lappalainen H.K., Kulmala M., Zilitinkevich S., ISBN 978-951-51-0587-5, 307 p, http://www.atm.helsinki.fi/peex/images/PEEX_Science_Plan.pdf



Figure 1. TRAKT-2018 project kick-off-meeting (Jan 2018) – participants working moments, and brainstorming on steps of the project realisation (led by the project coordinator Dr. Igor Ezau).