

TFK-ohjelmasta 2021 tuetut hankkeet

TFK programme funded projects 2021

<p>Project title: Pan-Eurasian EXperiment – Finnish-Russian Earth System Research Network</p>	
<p>Coordinator</p> <p>University of Helsinki</p> <p>Hanna Katriina Lappalainen hanna.k.lappalainen@helsinki.fi</p>	<p>The PEEEX-FRESReN networking project contributes to a framework upscale the prestige of the Finnish academic educational system and distributing this know-how internationally. The involved Finnish university partners (as High Education Institutions, HEIs) have world leading research expertise especially in understanding the land-atmosphere interactions and role of atmospheric aerosols in this context, and are actively developing e-learning courses (Climate University), methods and approaches to student’s education. All project partners are Universities (Univs) or/and research organizations working in the field of Earth’s and environmental sciences.</p> <p>The PEEEX-FRESReN aims are: 1) To carry out joint education activities through students’/teachers’ mobility between HEIs partners; 2) To share knowledge and experience on state-of-the-art research activities and educational assets like e-learning between the project partners; 3) To open new opportunities for research collaboration in atmospheric and Earth system sciences.</p>
<p>Partners</p> <p>Russian State Hydrometeorological University (RSHU), Moscow State University (MSU), University of Eastern Finland (UEF), Saint-Petersburg State University (SPBU), Tampere University of Technology (TAU)</p>	<p>The proposed activities are: 1) joint elaboration of top level research-educational initiatives/ projects based on PEEEX Science Plan (www.atm.helsinki.fi/peex/images/PEEX_Science_Plan.pdf) for student’s realizations; 2) series of online webinars/ workshops; 3) practical students’/ teachers’ short-term mobility/ visits between involved HEIs; 4) face-to-face educational research training course.</p> <p>The specific objectives for students’ mobility between Univs will be linked with implementation by students of developed research and educational projects (at MSc&PhD levels) on topics like: energy fluxes in forest canopy modelling; observations and modeling of surface-water ecosystems in boreal areas; fluxes of chemical substances by river flow in changing environment; aerosol effects on regional (Nordic, North-West Russia) and urban (Helsinki, St.Petersburg, Moscow) scales; pollution effects from continuous emissions on</p>

population and environment of Nordic countries and Russia; observations for aerosol particles and gaseous composition, and many more to be developed student projects. The specific objectives towards FI teachers mobility to RU Univs will be linked with implementation a series of short-term visits for co-supervising students on research projects and lecturing for topics (described in details in PEEX Science Plan). The specific objectives towards RU teachers mobility to FI Univs will be linked with realization a series of short-term visits for co-supervising students on research projects and lecturing.

Expected results are: 1) knowledge transfer of novel Finnish academic education concept and increased use of the modern e-learning methods (MOOC, Climate University), 2) research and educational collaboration between project partners, 3) new networking opportunities of high education collaboration in a field of Earth's sciences and climate change research, 4) integration of Univ students into joint FI-RU research activities.



OPETUSHALLITUS
UTBILDNINGSTYRELSEN

Finnish National Agency for Education EDUFI
Hakaniemenranta 6, P.B. 380, FI-00531 Helsinki
Puh. /Tel. +358 (0) 29 533 1000, Faksi /Fax +358 (0) 29 533 1035
www.oph.fi