Students: Teaching/ Co-advising/ Consulting (topics of …)


3. **(2017)** – Enviro-HIRLAM/ HARMONIE Research Training Week. Organizing & Teaching/training on Enviro-HIRLAM/ HARMONIE model and data analysis (Nordic CRUCIAL, planned for June 2017, St. Petersburg, Russia). Lecturing on on-line integrated/ seamless meteorology-chemistry-aerosols urban scale modelling, high resolution physiography and land-use/cover data, urbanization of models; Teaching Enviro-HIRLAM/ HARMONIE Urban Exercise (Small-scale research project) - Effects of Metropolitan Areas vs. Meteorology/ Chemistry/ Aerosols

4. **2016+ – Anne Helene Koch Borrits (MSc)** – University of Copenhagen (Copenhagen, Denmark): “Applicability of thermal mapping data, road finger-prints, physio-geographical and local conditions for road stretch forecasting” (topics of atmospheric sciences, road weather modelling, thermal mapping data, fine-scale road stretch forecasting, high resolution physiographical data, land-use/cover, micro-scale meteorology, statistical data analysis)

5. **2016+ – Margarita Sedeeva (BSc)** – Russian State Hydrometeorological University (St. Petersburg, Russia): “Regional modeling and GIS evaluation of environmental pollution from sources in the Arctic regions” (topics of atmospheric sciences, boundary layer meteorology, Enviro-HIRLAM regional scale modelling, emissions, GIS integration and analysis, air pollution, statistical data analysis)

6. **2015+ – Georgiy Nerobelov (BSc)** – Russian State Hydrometeorological University (St. Petersburg, Russia): “Modeling of aerosols impact on regional-urban scales” (topics of atmospheric sciences, boundary layer meteorology, Enviro-HIRLAM regional and urban scale modelling, aerosols, emissions, air pollution, statistical data analysis)

7. **2015-2016 – Nellie Edvardsson (BSc)** – University of Lund (Lund, Sweden): “Aerosols influence on HARMONIE operational forecasts” (topics of atmospheric sciences, NWP modelling, statistical data analysis)

8. **2015+ – Alexander Suhodsky (PhD)** – Russian State Hydrometeorological University (St. Petersburg, Russia): “Impact of St. Petersburg urbanization on weather and air pollution forecasting using online integrated high resolution modelling” (topics of boundary layer meteorology, Enviro-HIRLAM urban scale modelling, air pollution, statistical data analysis)

9. **(2015)** – Enviro-HIRLAM Research Training Week. Organizing & Teaching/training on Enviro-HIRLAM model urbanization and data analysis (Nordic CRAICC-PEEX, 22-26 Jun 2015, St. Petersburg, Russia). Lecturing on NWP modelling, physiography data, land-use/cover, urbanization of NWP models; Teaching Enviro-HIRLAM Urban Exercise (Small-scale research project) - Influence of Metropolitan Areas on Meteorology and Chemistry


11. **2014-2015 – Aleksander Andrzej Stysiaik (MSc)** – University of Copenhagen (Copenhagen, Denmark): “Impact of regional afforestation on metropolitan climatic conditions: case study of Copenhagen” (topics of atmospheric sciences, Enviro-HIRLAM urban/ high resolution modelling, statistical data analysis)


13. **2013-2016 – Elena Mukhamedzhanova (BSc)** – Russian State Hydrometeorological University (St. Petersburg, Russia): “Climatology of atmospheric boundary layer height variability” (topics of boundary layer processes, climatology, statistical data analysis, meso-scale modelling)


15. **2012–2015 – Alexander Kurganskiy (PhD)** – Russian State Hydrometeorological University (St. Petersburg, Russia)/ University of Copenhagen (Denmark): (topics of atmospheric sciences, pollen emissions module, statistical data analysis, GIS integration, Enviro-HIRLAM modelling for pollen)

16. **(2011)** – YSSS-2011: International Young Scientists Summer School on “Online Integrated Modelling of Meteorological and Chemical Transport Processes” (3-9 Jul 2011, Odessa State Environmental University, Odessa, Ukraine): Topics of the course included data assimilation and forecasting; aerosols and fine-scale meteorological variables; air quality models; regional and urban meteorology.

18. 2010-2012 – Iratxe Gonzalez-Aparicio (PhD) – University of Basque Country / Technalia (Bilbao, Spain): “Air quality and meteorological modelling of urban areas in the context of climate change” (topics of atmospheric sciences, urbanization of NWP model, land-use.cover, statistical data analysis, dispersion modelling, GIS integration, risk assessment, Enviro-HIRLAM urban-scale modelling; +teaching YSSS (2011) Enviro-HIRLAM exercises/small-scale research projects)


21. 2009-2014 – Fidel Pankratov (PhD) – Moscow State University / NPO Taifun (Moscow, Russia): “Dynamics of atmospheric mercury in Russian Arctic based on results of long-term monitoring” (topics of atmospheric sciences, trajectory and dispersion modelling, atmospheric chemistry, statistical data analysis)

22. 2009-2014 – Julia Palamarchuk (PhD) - Odessa State Environmental University (Odessa, Ukraine): (topics of urbanization of NWP model, statistical data analysis, Enviro-HIRLAM model training weeks; +teaching YSSS (2011, 2014) Enviro-HIRLAM exercises/small-scale research projects)


26. 2008-2010 – Irina Petrova (BSc) – Russian State Hydrometeorological University (St. Petersburg, Russia) / Radium Institute (St. Petersburg, Russia) / University Hamburg (Germany) “Identification of noble gases sources using atmospheric trajectory modelling” (topics of atmospheric sciences, radioactivity, trajectory and dispersion modelling, cluster analysis, Enviro-HIRLAM model training weeks)

27. 2008-2014 – Roman Nuterman (PhD) – University of Copenhagen (Denmark) / Tomsk State University (Russia): (topics of atmospheric sciences, urbanization of NWP model, statistical data analysis, Enviro-HIRLAM urban-scale modelling, Enviro-HIRLAM model training weeks; +teaching YSSS (2011, 2014) Enviro-HIRLAM exercises/small-scale research projects)

28. 2008-2012 – Adomas Mazeikis (PhD) – Vilnius University (Lithuania) / Lithuanian National Weather Service (Denmark): (topics of urbanization of NWP model, statistical data analysis, Enviro-HIRLAM urban-scale modelling; +Enviro-HIRLAM model training weeks; +teaching YSSS (2011) Enviro-HIRLAM exercises/small-scale research projects)

29. 2008-2010 – Yulia Gavriloiva (MSc) – Russian State Hydrometeorological University (St. Petersburg, Russia): “Modelling study of urban areas impact on aspects of regional weather ” (topics of boundary layer meteorology, NWP model urbanization, statistical data analysis, Enviro-HIRLAM urban-scale modelling; +Enviro-HIRLAM model training weeks)


31. 2008, 2009, 2010, 2011 – Enviro-HIRLAM Research Training Weeks (at DMI, Copenhagen, Denmark) for University students through Nordic NetFAM (http://netfam.fmi.fi) and MUSCATEN (http://muscaten.ut.ee) networks & the TEMPUS QualiMet and Combat-Meteo projects support: (lecturing on physiography data, land-use/cover, urbanization of models; and practicalities on model setup/run, initial and boundary conditions, urbanization of meteorological model, visualization with Metgraf, statistical data analysis, validation, verification and interpretation)


34. 2006-2007 – Ilia Ovdoshenkov (BSc) – Novgorod State University (Great Novgorod, Russia): “Weather and climate of Kola Peninsula” (topics of atmospheric sciences, climatology, time-series analysis, statistical data analysis)

35. 2005-2008 – Alexander Tridvornov (PhD) – Institute of Numerical Modelling SB RAS (Krasnoyarsk, Russia): “Evaluation of technogenic and complex risks from territorial-industrial sources (on example of the Krasnoyarsk Kray)” (topics of atmospheric sciences, dispersion modelling, radioactivity, statistical data analysis, GIS integration, risk assessment)

36. 2002-2010 – Anton Svetlov (BSc, PhD) – Petrozavodsk State University / Kola Science Center RAS (Apatity, Russia): “Evaluation of aerotechnogenic pollution of Imandra lake by sulphates and heavy metals in time and space”; “Evaluation of aerotechnogenic risk for environment of Northern Fennoscandia” (topics of atmospheric sciences, dispersion modelling, air pollution, atmospheric chemistry, statistical data analysis, GIS integration, risk assessment)

37. 2000-2008 – Alexander Kuchin (PhD) – Kola Science Center RAS / Kola NPP (Apatity, Russia): “Peculiarities of automatic forecasting of radiation situation in regions of nuclear power plants” (topics of atmospheric sciences, statistical data analysis, dispersion modelling, radioactivity, risk assessment)

38. 1992-1995 – ECO-AS (at ECONORD Center) Society students – from city’s High Schools interested in doing research in collaboration with scientists from research institutions of the Kola Science Center RAS (Apatity, Russia): science-education oriented activities and projects on Kola Peninsula (Murmansk region) and Nordic countries (leading society and projects, teaching/lectures, practice/research on air pollution and meteorology measurements and modeling)