

Referenced Abstracts/Proceedings from Presentations at Conferences

1. (2018) - **Mahura A.**, Baklanov A., Arnold S.R., Makkonen R., Boy M., Petäjä T., V-M. Kerminen, H.K. Lappalainen, M. Jochum, Nuterman R., Shvidenko A., Esau I., Gordov E., Penenko V., Penenko A., Sofiev M., Stohl A., Zilitinkevich S., Kulmala M., and PEEEX-Modelling-Platform team (2018): PEEEX Modelling Platform: concept, models, components, infrastructure and virtual research platforms – applicability for seamless environmental prediction. *Abstracts of the International Conference IBFRA18 “Critical role of boreal and mountain ecosystems for people, bioeconomy, and climate” (17-20 Sep 2018, Laxenburg, Austria)*, ID-173.
2. (2018) - Lappalainen H.K, T. Petäjä, S. Chalov, P. Konstantinov, P. Haapanala, N. Altimir, H. Junninen, A. Rusanen, R. Makkonen, **A. Mahura**, T. Vihma, P. Uotila, V-P. Tynkkynen, S. Dobrolyubov, V. Melnikov, A. Baklanov, Y. Viisanen, N. Kasimov, H. Guo, V. Bondur, S. Zilitinkevich, M. Kulmala (2018): *Pan-Eurasian Experiment (PEEX) Program and GlobalSMEAR (Stations for Measuring Earth Surface–Atmosphere Relations) Initiative. Abstracts of the International Conference IBFRA18 “Critical role of boreal and mountain ecosystems for people, bioeconomy, and climate” (17-20 Sep 2018, Laxenburg, Austria)*, ID-199.
3. (2018) - Lappalainen H.K, T. Petäjä, S. Chalov, P. Konstantinov, P. Haapanala, N. Altimir, H. Junninen, A. Rusanen, R. Makkonen, **A. Mahura**, T. Vihma, P. Uotila, V-P. Tynkkynen, S. Dobrolyubov, V. Melnikov, A. Baklanov, Y. Viisanen, N. Kasimov, H. Guo, V. Bondur, S. Zilitinkevich, M. Kulmala (2018): Pan-Eurasian Experiment (PEEX) Program and GlobalSMEAR initiative. *Abstracts of the 3rd ICOS Science Conference (11-13 Sep 2018, Prague, Czech Republic)*
4. (2018) - **Mahura A.**, T. Petäjä, H.K. Lappalainen, E-M. Duplissy, S.M. Noe, R. Salzano, R. Salvatori, D. Moiseev, P. Paasonen, F. Pankratov, V. Shevchenko, ... (2018): iCUPE datasets as products for the research, decision-making, stakeholders and end-users communities. *Proceedings of the UArctic Congress 2018 (3-7 Sep 2018, Oulu-Helsinki, Finland)*, ID-237.
5. (2018) - **Mahura A.**, R. Nuterman, A. Baklanov, B. Amstrup, G. Nerobelov, M. Sedeeva, R. Makkonen, M. Kulmala, S. Zilitinkevich, S. Smyshlyaev (2018): Enviro-HIRLAM: research and operational applications for PEEEX studies. *Abstracts of European Geosciences Union (EGU) General Assembly, 22-22 Apr 2018, Vienna, Austria; Geophysical Research Abstracts, Vol. 20, EGU2018-19408.*
6. (2018) - **Mahura A.**, Makkonen R., Boy M., Petäjä T., Kulmala M., Zilitinkevich S., and “Enviro-PEEX on ECMWF” modelling team (2018): Seamless multi-scale and -processes modelling activities at INAR. *In Proceedings of the NOSA-FAAR Symposium 2018, p. 88; (Eds) P. Clusius, J. Enroth, A. Lauri. Report Series in Aerosol Science, N208 (2018), 142 p., ISBN 978-952-7091-98-2*
7. (2018) – Foreback B., Kouznetsov R., **Mahura A.**, Boy M. (2018): *Integration of Improved Aerosol Chemistry and Physics Algorithms into the SILAM Model. In Proceedings of the NOSA-FAAR Symposium 2018, p. 46; (Eds) P. Clusius, J. Enroth, A. Lauri. Report Series in Aerosol Science, N208 (2018), 142 p., ISBN 978-952-7091-98-2*
8. (2018) – **Mahura A.**, R. Nuterman, B. Amstrup, A. Baklanov, R. Makkonen, M. Kulmala, S. Zilitinkevich (2018): Enviro-HIRLAM downscaling in research and operational applications for PEEEX. *p 106, In Proceedings of Abstracts of the 11th International Conference on Air Quality – Science and Applications (12-16 Mar 2018, Barcelona, Spain), 290p. Eds. R.S. Sokhi, M.J. Gállego, P.R. Tiwari, J.M.C. Arnau, C.C. Guieu, V. Singh, ISBN: 978-1-5272-2150-5, DOI: 10.18745/PB.19829*
9. (2017) – Sedeeva M., **Mahura A.**, R. Nuterman, S. Mostamandy, S. Smyshlyaev (2017): Regional modeling and GIS evaluation of environmental pollution from Kola Peninsula sources. *pp. 425-428, In Proceedings of the Conference “Hydrometeorology and Ecology: Scientific and Educational Achievements and Perspectives of Development” (19-20 Dec 2017, St. Petersburg, Russia), ISBN 978-5-9529-0085-1, 514p (in Russian)*
10. (2017) – Mkhanna A.I., G.M. Nerobelov, Y.V. Strigunova, M.S. Sedeeva, S.A. Lyskova, A.C.I. Gatore, **Mahura A.**, R.B. Nuterman (2017): Enviro-HIRLAM Application for Urban Scale Studies: Metropolitan Areas of Europe, China and Russia. *pp. 359-362, In Proceedings of the Conference “Hydrometeorology and Ecology: Scientific and Educational Achievements and Perspectives of Development” (19-20 Dec 2017, St. Petersburg, Russia), ISBN 978-5-9529-0085-1, 514p (in Russian)*
11. (2017) - **Mahura A.**, R. Nuterman, A. Baklanov, B. Amstrup, R. Makkonen, T. Petäjä, M. Kulmala, S. Zilitinkevich (2017): Seamless/ Online Integrated Meteorology-Chemistry-Aerosols Modelling at Multi-Scales for PEEEX Domain. *pp. 353-358, In Proceedings of “The Centre of Excellence in Atmospheric Science (CoE ATM) – From Molecular and Biological processes to The Global Climate” Annual Meeting (4-10 Oct 2017, Helsinki, Finland); (Eds) P. Haapanala, A. Lintunen, J. Enroth, M. Kulmala; Report Series in Aerosol Science, N202 (2017), ISBN 978-952-7091-87-6, 595p.*
12. (2017) - Makkonen R., J.-P. Keskinen, F. Xausa, C. Xavier, C. Rose, A. Rusanen, J. Lento, M. Raivonen, V. Sinclair, **A. Mahura**, O. Krüger, H. Järvinen, V.-M. Kerminen, M. Kulmala (2017): Overview of the Earth System Modeling Group Activities. *pp. 75-78, In Proceedings of “The Centre of Excellence in Atmospheric Science (CoE ATM) – From Molecular and Biological processes to The Global Climate” Annual Meeting (4-10 Oct 2017, Helsinki, Finland); (Eds) P. Haapanala, A. Lintunen, J. Enroth, M. Kulmala; Report Series in Aerosol Science, N202 (2017), ISBN 978-952-7091-87-6, 595p.*
13. (2017) - Lappalainen, H.K., T. Petäjä, V-M. Kerminen, R. Makkonen, P. Alekseychik, N. Zaitseva, I. Bashmakova, J. Kujansuu, T. Ruuskanen, A. Lauri, P. Konstantinov, S. Chalov, T. Laurila, J. Bäck, M. Arshinov, **A. Mahura**, S. Arnold, I.

- Ezau, T. Vihma, G. De Leeuw, A. Ding, C. Fu, H-C. Hansson, V. Melnikov, G. Matvienko, A. Baklanov, Y. Viisanen, N. Kasimov, H. Guo, V. Bondur, P. Kabat, S. Zilitinkevich, M. Kulmala and the PEEEX Working Groups (2017): Pan-Eurasian EXperiment (PEEX) program and future prospects. pp. 69-74, In *Proceedings of "The Centre of Excellence in Atmospheric Science (CoE ATM) – From Molecular and Biological processes to The Global Climate" Annual Meeting (4-10 Oct 2017, Helsinki, Finland)*; (Eds) P. Haapanala, A. Lintunen, J. Enroth, M. Kulmala; Report Series in Aerosol Science, N202 (2017), ISBN 978-952-7091-87-6, 595p.
14. (2017) - **Mahura A.**, Nuterman R., Amstrup B., Baklanov A., Makkonen R., Kulmala M., Zilitinkevich S. (2017): Research vs. operational applications of Enviro-HIRLAM: regional and sub-regional scale modelling for PEEEX. pp. 292-296. In *Proceedings of the 3rd Pan-Eurasian Experiment (PEEX) Science Conference and 7th PEEEX Meeting (19-22 Sep 2017, Moscow, Russia)*, Eds. H.K. Lappalainen, P. Haapanala, A. Borisova, S. Chalov, N. Kasimov, S. Zilitinkevich, M. Kulmala. Report Series in Aerosol Science, n201, ISBN 978-952-7091-86-9, 548p.
 15. (2017) - **Mahura A.**, Nuterman R., Amstrup B., Gonzalez-Aparicio I., Baklanov A. (2017): Enviro-HIRLAM downscaling to metropolitan areas for forecasting weather and atmospheric composition. pp. 297-301. In *Proceedings of the 3rd Pan-Eurasian Experiment (PEEX) Science Conference and 7th PEEEX Meeting (19-22 Sep 2017, Moscow, Russia)*, Eds. H.K. Lappalainen, P. Haapanala, A. Borisova, S. Chalov, N. Kasimov, S. Zilitinkevich, M. Kulmala. Report Series in Aerosol Science, n201, ISBN 978-952-7091-86-9, 548p.
 16. (2017) - Nerobelov G., Sedeeva M., **Mahura A.**, Nuterman R., Mostamandy S., Smyshlyaev S. (2017): Regional scale online integrated modeling in North-West Russia: case studies on impact evaluation. pp. 363-366. In *Proceedings of the 3rd Pan-Eurasian Experiment (PEEX) Science Conference and 7th PEEEX Meeting (19-22 Sep 2017, Moscow, Russia)*, Eds. H.K. Lappalainen, P. Haapanala, A. Borisova, S. Chalov, N. Kasimov, S. Zilitinkevich, M. Kulmala. Report Series in Aerosol Science, n201, ISBN 978-952-7091-86-9, 548p.
 17. (2017) - Baklanov A., **Mahura A.**, S. Arnold, D. Spracklen, R. Makkonen, T. Petäjä, V.-M. Kerminen, H. K. Lappalainen, M. Jochum, R. Nuterman, S. Nielsen, I. Esau, W. Zhang, A. Penenko, E. Gordov, S. Zilitinkevich, M. Kulmala (2017): PEEEX Modelling Platform for Seamless Multi-Dimension Environmental Prediction. pp. 37-39. In *Proceedings of the 3rd Pan-Eurasian Experiment (PEEX) Science Conference and 7th PEEEX Meeting (19-22 Sep 2017, Moscow, Russia)*, Eds. H.K. Lappalainen, P. Haapanala, A. Borisova, S. Chalov, N. Kasimov, S. Zilitinkevich, M. Kulmala. Report Series in Aerosol Science, n201, ISBN 978-952-7091-86-9, 548p.
 18. (2017) - Lappalainen H.K., T. Petäjä, V.-M. Kerminen, R. Makkonen, P. Alekseychik, N. Zaitseva, I. Bashmakova, J. Kujansuu, T. Ruuskanen, A. Lauri, P. Konstantinov, S. Chalov, T. Laurila, J. Bäck, T. M. Arshinov, **A. Mahura**, S. Arnold, I. Ezau, T. Vihma, G. De Leeuw, A. Ding, C. Fu, H-C. Hansson, V. Melnikov, G. Matvienko, A. Baklanov, Y. Viisanen, N. Kasimov, H. Guo, V. G. Bondur, P. Kabat, S. Zilitinkevich, M. Kulmala, and The Peex Working Groups (2017): Pan-Eurasian EXperiment (PEEX) Program - Overview and Future Prospects. pp. 238-243. In *Proceedings of the 3rd Pan-Eurasian Experiment (PEEX) Science Conference and 7th PEEEX Meeting (19-22 Sep 2017, Moscow, Russia)*, Eds. H.K. Lappalainen, P. Haapanala, A. Borisova, S. Chalov, N. Kasimov, S. Zilitinkevich, M. Kulmala. Report Series in Aerosol Science, n201, ISBN 978-952-7091-86-9, 548p.
 19. (2017) - **Mahura A.**, A. Baklanov, R. B. Nuterman, T. Petaja, A. Lauri, H. K. Lappalainen, S.S. Zilitinkevich, M. Kulmala (2017): Small-Scale Research Projects as Part of Science-Education: Young Scientist Summer Schools Experience and Plans. pp. 290-291. In *Proceedings of the 3rd Pan-Eurasian Experiment (PEEX) Science Conference and 7th PEEEX Meeting (19-22 Sep 2017, Moscow, Russia)*, Eds. H.K. Lappalainen, P. Haapanala, A. Borisova, S. Chalov, N. Kasimov, S. Zilitinkevich, M. Kulmala. Report Series in Aerosol Science, n201, ISBN 978-952-7091-86-9, 548p.
 20. (2017) - R. van der A, B. Mijling, J. Ding, F. Liu, **A. Mahura**, G. de Leeuw, R. Timmermans, H. Hooyberghs, D. Balis, J. Stavrakou, K. Kourtidis, J. Bai, B. Martínez, V. Amiridis, P. Xie, L. Zeng, Q. Zhang, Y. Xue (2017): Results of the MarcoPolo Project: Air Quality Forecasting in China. pp. 513. In *Proceedings of the 3rd Pan-Eurasian Experiment (PEEX) Science Conference and 7th PEEEX Meeting (19-22 Sep 2017, Moscow, Russia)*, Eds. H.K. Lappalainen, P. Haapanala, A. Borisova, S. Chalov, N. Kasimov, S. Zilitinkevich, M. Kulmala. Report Series in Aerosol Science, n201, ISBN 978-952-7091-86-9, 548p.
 21. (2017) – Nuterman R., **Mahura A.**, Baklanov A., K.P. Nielsen, B. Amstrup, B.H. Sass, I. González-Aparicio, A. Zakey (2017): Online-integrated multi-scale atmospheric modeling. Abstracts of European Meteorological Society (EMS) Meeting & European Conference for Applied Meteorology and Climatology; 4–8 Sep 2017, Dublin, Ireland; EMS Annual Meeting Abstracts, Vol.14, EMS2017-875
 22. (2017) - **Mahura A.**, R. Nuterman, A. Baklanov (2017): High Resolution Modelling of Aerosols-Meteorology Interactions over Northern Europe and Arctic regions. Abstracts of European Geosciences Union (EGU) General Assembly, 17-22 Apr 2017, Vienna, Austria; Geophysical Research Abstracts, Vol.19, EGU2017-9607
 23. (2017) - **Mahura A.**, Amstrup B., Nuterman R., Yang X., Baklanov A. (2017): Multi-Scale Enviro-HIRLAM Forecasting of Weather and Atmospheric Composition over China and its Megacities. Abstracts of European Geosciences Union (EGU) General Assembly, 17-22 Apr 2017, Vienna, Austria; Geophysical Research Abstracts, Vol.19, EGU2017-9564
 24. (2017) - Sass B.H., **Mahura A.**, Nuterman R., Baklanov A., Palamarchuck J., Ivanov S., Nielsen K.P., Penenko A., Edvardsson N., Stysiak A., Bostanbekov K., Amstrup B., Yang X., Ruban I., Jensen M.B., Penenko A., Nurseitov A.,

- Zakarin E. (2017): Enviro-HIRLAM/ HARMONIE Studies in ECMWF HPC EnviroAerosols Project. *Abstracts of European Geosciences Union (EGU) General Assembly, 17-22 Apr 2017, Vienna, Austria; Geophysical Research Abstracts, Vol.19, EGU2017-15675*
25. (2017) - **Mahura A.**, R. Nuterman, E. Mukhamedzhanova, G. Nerobelov, M. Sedeeva, A. Suhodskiy, S. Mostamandy, S. Smyshlyaev (2017): Integrated Modelling in CRUCIAL Science Education. *Abstracts of European Geosciences Union (EGU) General Assembly, 17-22 Apr 2017, Vienna, Austria; Geophysical Research Abstracts, Vol.19, EGU2017-9657*
 26. (2017) – Baklanov A., **Mahura A.**, S. Arnold, R. Makkonen, T. Petäjä, V-M. Kerminen, H.K. Lappalainen, I. Ezau, R. Nuterman, W. Zhang, A. Penenko, E. Gordov, S. Zilitinkevich, M. Kulmala, and the PEEEX Modelling Platform Team (2017): PEEEX Modelling Platform for Seamless Environmental Prediction. *Abstracts of European Geosciences Union (EGU) General Assembly, 17-22 Apr 2017, Vienna, Austria; Geophysical Research Abstracts, Vol.19, EGU2017-13690*
 27. (2016) - Kulmala M., H.K. Lappalainen, T. Petäjä, V.M. Kerminen, R. Makkonen, P.Alekseychik, N. Zaitseva, J. Kujansuu, A. Scherbinin, P. Konstantinov, M. Kaukolehto, N. Chubarova, M. Arshinov, **A. Mahura**, S. Arnold, D. Spracklen, S. Juhola, J. Bäck, T. Vesala, P. Hari, A. Ding, C. Fu, H.C. Hansson, V. Melnikov, Y. Viisanen, G. Matvienko, A. Baklanov, N. Kasimov, H. Guo, V. Bondur, S. Zilitinkevich (2016): Pan-Eurasian EXperiment (PEEX) – As a Tool to Understand Air Quality – Climate Interactions and Feedbacks, pp. 259-263. *In Report Series in Aerosol Science N180, 617p, ISBN 978-952-7091-46-3. Proceedings of 2nd Pan-Eurasian EXperiment (PEEX) Science Conference, 18-20 May 2016, Beijing, China*
 28. (2016) – Lappalainen H.K., T.Petäjä, V-M. Kerminen, R.Makkonen, A.Malkamäki, P. Alekseychik, N. Zaitseva, J. Kujansuu, T. Ruuskanen, A. Lauri, E. Kyrö, S. Mazon, A. Scherbinin, P. Konstantinov, M. Kaukolehto, N. Chubarova, T. Laurila, E. Asmi, S. Juhola, J. Bäck, T. Vesala, P. Hari, M. Arshinov, **A. Mahura**, S. Arnold, D. Spracklen, A. Ding, C. Fu, H-C. Hansson, V. Melnikov, G. Matvienko, A. Baklanov, Y. Viisanen, N. Kasimov, H. Guo, V. Bondur, S. Zilitinkevich, M. Kulmala (2016): Pan-Eurasian EXperiment (PEEX) Program Overview - Activities in 2012-2015 and Future Prospects, pp. 270-274. *In Report Series in Aerosol Science N180, 617p, ISBN 978-952-7091-46-3. Proceedings of 2nd Pan-Eurasian EXperiment (PEEX) Science Conference, 18-20 May 2016, Beijing, China*
 29. (2016) - van der A R., G. de Leeuw, B. Mijling, J. Ding, D. Balis, J. Stavrou, **A. Mahura**, K.Kourtidis, J. Bai, B. Martínez, V. Amiridis, P. Xie, R. Timmermans, L. Zeng, Q. Zhang, N. Veldeman, Y. Xue (2016): Monitoring and Assessment of Regional Air Quality in China Using Space Observations (MarcoPolo), pp. 491-492. *In Report Series in Aerosol Science N180, 617p, ISBN 978-952-7091-46-3. Proceedings of 2nd Pan-Eurasian EXperiment (PEEX) Science Conference, 18-20 May 2016, Beijing, China*
 30. (2016) – Stysiak A., Jensen M.B., **Mahura A.** (2016): Impact of regional afforestation on climatic conditions in metropolitan areas: case study of Copenhagen. *Abstracts of European Geosciences Union (EGU) General Assembly, 17-22 Apr 2016, Vienna, Austria; Geophysical Research Abstracts, Vol.18, EGU2016-345*
 31. (2016) – **Mahura A.**, Nuterman R., I. Gonzalez-Aparicio, Amstrup B., Yang X., Baklanov A. (2016): Meteorological and Chemical Urban Scale Modelling for Shanghai Metropolitan Area. *Abstracts of European Geosciences Union (EGU) General Assembly, 17-22 Apr 2016, Vienna, Austria; Geophysical Research Abstracts, Vol.18, EGU2016-1394*
 32. (2016) – **Mahura A.**, Petersen C., Amstrup B., Andersen B.S., Sass B.H. (2016): Post-Processing of NWP Models Forecasts: Case of Denmark and Greenland. *Abstracts of European Geosciences Union (EGU) General Assembly, 17-22 Apr 2016, Vienna, Austria; Geophysical Research Abstracts, Vol.18, EGU2016-10130*
 33. (2016) – Palamarchuk J., Ivanov S., **Mahura A.**, Ruban I. (2016): The sensitivity of precipitation simulations to the soot aerosol presence. *Abstracts of European Geosciences Union (EGU) General Assembly, 17-22 Apr 2016, Vienna, Austria; Geophysical Research Abstracts, Vol.18, EGU2016-13386*
 34. (2016) – Bostanbekov K., **Mahura A.**, Nuterman R., Nurseitov D., Zakarin E., Baklanov A. (2016): On-line Meteorology-Chemistry/Aerosols Modelling and Integration for Risk Assessment: Case Studies. *Abstracts of European Geosciences Union (EGU) General Assembly, 17-22 Apr 2016, Vienna, Austria; Geophysical Research Abstracts, Vol.18, EGU2016-1392*
 35. (2016) – Kurganskiy A., Nuterman R., **Mahura A.**, Kaas E., Baklanov A., Sass B. (2016): Modelling of Black and Organic Carbon Variability in the Northern Hemisphere. *Abstracts of European Geosciences Union (EGU) General Assembly, 17-22 Apr 2016, Vienna, Austria; Geophysical Research Abstracts, Vol.18, EGU2016-1404*
 36. (2016) – Kurganskiy A., Kaas E., Baklanov A., **Mahura A.**, Nuterman R., Rasmussen A. (2016): Influence of 2-meter temperature bias on birch pollen season and concentrations in the Enviro-HIRLAM. *Abstracts of European Geosciences Union (EGU) General Assembly, 17-22 Apr 2016, Vienna, Austria; Geophysical Research Abstracts, Vol.18, EGU2016-13724*
 37. (2016) – Nielsen K.P., **Mahura A.**, Yang X. (2016): Aerosol effects over China investigated with a high resolution convection permitting weather model. *Abstracts of European Geosciences Union (EGU) General Assembly, 17-22 Apr 2016, Vienna, Austria; Geophysical Research Abstracts, Vol.18, EGU2016-15398*
 38. (2015) – Penenko A., Penenko V., Nuterman R., Baklanov A., **Mahura A.** (2015): Direct variational assimilation algorithm for atmospheric chemistry data with transport and transformation model. *Proceedings of the 21st International Symposium on Atmospheric and Ocean Optics: Atmospheric Physics, 22-26 Jun 2015, Tomsk, Russia*

39. (2015) – Pankratov F., **Mahura A.**, Korpusova Yu., Milyukov V. (2015): Background Monitoring of Atmospheric Mercury in the Russian Arctic and Lake of Baikal Region. pp. 283-287, *In Proceedings of the 2nd International Symposium “Mercury in the Biosphere: Eco-Geo-Chemical Aspects”, 418p., 21-25 Sep 2015, Novosibirsk, Russia, ISBN 978-5-901688-34-2*
40. (2015) – Kurganskiy A., Nuterman R., **Mahura A.**, Saarto A., Baklanov A., Rasmussen A., Smyshlayev A., Kaas E. (2015): Modeling of Biological Aerosol Concentrations using Enviro-HIRLAM: Birch Pollen Application. *Abstracts of International Symposium on Atmospheric Radiation and Dynamics (ISARD-2015), 23-26 Jun 2015, St.-Petersburg-Petrodvorets, Russia*
41. (2015) - **Mahura A.**, R. Nuterman, I. Gonzalez-Aparicio, B. Amstrup, A. Baklanov, X. Yang, K.P. Nielsen (2015): Regional-to-Urban Enviro-HIRLAM Downscaling for Meteorological and Chemical Patterns over Chinese Megacities. *Abstracts of European Geosciences Union (EGU) General Assembly, 12-17 Apr 2015, Vienna, Austria; Geophysical Research Abstracts, Vol.17, EGU2015-1549*
42. (2015) - Palamarchuk J., **Mahura A.**, Ivanov S., Ruban I., Pavlova H. (2015): Aerosol impact on atmospheric meso-scale circulation over the Baltic region: A HARMONIE model case study and verification versus radar data. *Abstracts of European Geosciences Union (EGU) General Assembly, 12-17 Apr 2015, Vienna, Austria; Geophysical Research Abstracts, Vol.17, EGU2015-7535*
43. (2015) – Nuterman R., **Mahura A.**, Baklanov A., Kurganskiy A., Amstrup B., Kass E. (2015): Enviro-HIRLAM Applicability for Black Carbon Studies in Arctic. *Abstracts of European Geosciences Union (EGU) General Assembly, 12-17 Apr 2015, Vienna, Austria; Geophysical Research Abstracts, Vol.17, EGU2015-1571*
44. (2015) – **Mahura A.**, Petersen C., Amstrup B., Sass B. (2015): Statistical Corrections of HIRLAM and HARMONIE Forecasts for Greenland. *Abstracts of European Geosciences Union (EGU) General Assembly, 12-17 Apr 2015, Vienna, Austria; Geophysical Research Abstracts, Vol.17, EGU2015-1545*
45. (2015) – Pankratov F., **Mahura A.**, Korpusova J., Milukov V. (2015): Shift of Atmospheric Mercury Depletion and Enhancement Events in the Arctic. *Abstracts of European Geosciences Union (EGU) General Assembly, 12-17 Apr 2015, Vienna, Austria; Geophysical Research Abstracts, Vol.17, EGU2015-1644*
46. (2015) - **Mahura A.**, I. Gonzalez-Aparicio, R. Nuterman, A. Baklanov (2015): Modelling and Evaluation of Impact on Population due to Continuous Emissions from Severonickel Smelters (Kola Peninsula), pp. 273-278. *In Report Series in Aerosol Science N163, 501p, ISBN 978-952-7091-16-6. Proceedings of 1st Pan-Eurasian EXperiment (PEEX) Science Conference, 10-13 Feb 2015, Helsinki, Finland.*
47. (2015) - Kurganskiy A., R. Nuterman, **A. Mahura**, A. Saarto, A. Baklanov, A. Rasmussen, S. Smyshlyayev, E. Kaas (2015): Enviro-HIRLAM Birch Pollen Modelling for Northern Europe, pp. 229-233. *In Report Series in Aerosol Science N163, 501p, ISBN 978-952-7091-16-6. Proceedings of 1st Pan-Eurasian EXperiment (PEEX) Science Conference, 10-13 Feb 2015, Helsinki, Finland.*
48. (2015) - **Mahura A.**, R. Nuterman, I. Gonzalez-Aparicio, A. Baklanov (2015): Downscaling Enviro-HIRLAM Modelling Of Meteorology and Chemistry for Large Urban Areas, pp. 268-272. *In Report Series in Aerosol Science N163, 501p, ISBN 978-952-7091-16-6. Proceedings of 1st Pan-Eurasian EXperiment (PEEX) Science Conference, 10-13 Feb 2015, Helsinki, Finland.*
49. (2015) - Pankratov F., **Mahura A.**, Korpusova J., Katz O. (2015): Dynamics of Atmospheric Mercury in the Russian Arctic Depending on the Measurement Position versus Coastline, pp. 324-329. *In Report Series in Aerosol Science N163, 501p, ISBN 978-952-7091-16-6. Proceedings of 1st Pan-Eurasian EXperiment (PEEX) Science Conference, 10-13 Feb 2015, Helsinki, Finland.*
50. (2015) - **Mahura A.**, R. Nuterman, I. Gonzalez-Aparicio, A. Baklanov (2015): Enviro-HIRLAM Modelling of Regional and Urban Meteorology and Chemistry Patterns for Summer 2009 Paris Campaign. *Abstracts of the Symposium on Coupled Chemistry-Meteorology/Climate Modelling: Status and Relevance for Numerical Weather Prediction, Air Quality and Climate Research; 23-25 Feb 2015, Geneva, Switzerland; p. 122 in WMO Report No. 1172 & GAW Report No. 226, WWRP 2016 -1, WCRP Report No. 9/2016, 176 p., ISBN 978-92-63-11172-2.*
51. (2015) - **Mahura A.**, R. Nuterman, J. Palamarchuk (2015): Science-Education: Online Integrated Modelling of Aerosol-Chemistry-Meteorology Effects using Enviro-HIRLAM. *Abstracts of the Symposium on Coupled Chemistry-Meteorology/Climate Modelling: Status and Relevance for Numerical Weather Prediction, Air Quality and Climate Research; 23-25 Feb 2015, Geneva, Switzerland; p. 121 in WMO Report No. 1172 & GAW Report No. 226, WWRP 2016 -1, WCRP Report No. 9/2016, 176 p., ISBN 978-92-63-11172-2.*
52. (2015) – Kurganskiy A., **A. Mahura**, R. Nuterman, A. Baklanov, A. Rasmussen, E. Kaas, S. Smyshlyayev (2015): Birch pollen modeling for Denmark: spring 2006 episode. *Abstracts of the Symposium on Coupled Chemistry-Meteorology/Climate Modelling: Status and Relevance for Numerical Weather Prediction, Air Quality and Climate Research; 23-25 Feb 2015, Geneva, Switzerland; p. 118 in WMO Report No. 1172 & GAW Report No. 226, WWRP 2016 -1, WCRP Report No. 9/2016, 176 p., ISBN 978-92-63-11172-2.*

53. (2014) - Kurganskiy A., **A. Mahura**, R. Nuterman, A. Rasmussen, A. Baklanov, S. Smyshlyayev, E. Kaas (2014): Modeling of birch pollen concentrations using Enviro-HIRLAM. *Abstracts of 14th EMS-2014 Annual Meeting, 6-10 Oct 2014, Prague, Czech Republic, Vol.11, EMS2014-582*
54. (2014) - **Mahura A.**, R.Nuterman, I.Gonzalez-Aparicio, A.Mazeikis, A.Baklanov (2014): Influence of Different Size European Metropolitan Areas on Meteorological and Chemical Patterns. *Abstracts of European Geosciences Union (EGU) General Assembly, 27 Apr – 2 May 2014, Vienna, Austria; Geophysical Research Abstracts, Vol.16, EGU2014-5359*
55. (2014) - Pankratov F., **Mahura A.**, Popov V., Katz O. (2014): Increase of winter atmospheric mercury depletion events during long-term monitoring of mercury in the Russian Arctic. *Proceeding of Conference on "State of Arctic Seas and Territories under Climate Change", ISBN 978-5-261-00975-7, 199 p; 18-19 Sep 2014; Arkhangel'sk, Russia, pp.77-78*
56. (2014) - Muhamedzhanova E., **Mahura A.**, Smyshlayev S. (2014): Climatology of atmospheric boundary layer height variability: NWP forecasts vs. sounding observations. *Abstracts of 5th Conference on "Ecological Problems of Northern Regions and Ways for Their Solution", 23-27 Jun 2014, Apatity, Russia; p.35*
57. (2014) - **Mahura A.**, R. Nuterman, A. Mazeikis, I. Gonzalez-Aparicio, S. Ivanov, J. Palamarchuk (2014): Enviro-HIRLAM in Studies of Urban and Aerosol Impacts on Metropolitan Areas: Science-Education Approach. *Abstracts of European Geosciences Union (EGU) General Assembly, 27 Apr – 2 May 2014, Vienna, Austria; Geophysical Research Abstracts, Vol.16, EGU2014-5421*
58. (2014) - Baklanov A., **Mahura A.**, Penenko V., Zilitinkevich S., Kulmala M. (2014): Pan Eurasian EXperiment (PEEX): Modelling Platform for Earth System Observations and Forecasting. *Abstracts of European Geosciences Union (EGU) General Assembly, 27 Apr – 2 May 2014, Vienna, Austria; Geophysical Research Abstracts, Vol.16, EGU2014-15751*
59. (2014) - Pankratov F., **Mahura A.**, Popov V., Katz O. (2014): Long-term continuous monitoring of mercury in the Russian Arctic: winter increase of atmospheric mercury depletion events. *Abstracts of European Geosciences Union (EGU) General Assembly, 27 Apr – 2 May 2014, Vienna, Austria; Geophysical Research Abstracts, Vol.16, EGU2014-16608*
60. (2014) - **Mahura A.**, Petersen C., Sass B., Gilet N. (2014): Statistical Correction of Air Temperature Forecasts for City and Road Weather Applications. *Abstracts of European Geosciences Union (EGU) General Assembly, 27 Apr – 2 May 2014, Vienna, Austria; Geophysical Research Abstracts, Vol.16, EGU2014-5238*
61. (2014) - Gilet N., **Mahura A.**, Petersen C., Sass B. (2014): Analysis and Improvement of Statistical Error in Forecasted Air Temperature. *Abstracts of European Geosciences Union (EGU) General Assembly, 27 Apr – 2 May 2014, Vienna, Austria; Geophysical Research Abstracts, Vol.16, EGU2014-5277*
62. (2014) - Baklanov A., U. Korsholm, R. Nuterman, K.P. Nielsen, B.H. Sass, **A. Mahura**, A. Rasmussen, B. Sørensen, E. Kaas, I. González-Aparicio, A. Mazeikis, A. Kurganskiy, E. Morozova, S. Ivanov, Yu. Palamarchuk, A. Zakey, J. Chenevez, A. Gross, K. Lindberg (2014): Enviro-HIRLAM online integrated meteorology-chemistry modelling system: strategy, methodology, developments and applications. *Proceedings of 9th International Conference on Air Quality Conference: Science and Application; (Eds.) T. Mitto, J. Fallmann, U. Mikolajczyk, P. Suppan, V. Singh, R. S. Sokhi; ISBN: 978-1-909291-20-1, 342p; 24-28 Mar 2014, Garmisch-Partenkirchen, Germany, p.10*
63. (2013) - Nuterman R., U. Korsholm, A. Zakey, K.P. Nielsen, B. Sørensen, **A. Mahura**, A. Rasmussen, A. Mažeikis, I. Gonzalez-Aparicio, E. Morozova, B.H. Sass, E. Kaas, A. Baklanov (2013): New developments in Enviro-HIRLAM online integrated modeling system. *Abstracts of European Geosciences Union (EGU) General Assembly, 7-12 Apr 2013, Vienna, Austria; Geophysical Research Abstracts, Vol.15, EGU2013-12520*
64. (2013) – Baklanov A., J. Kukkonen, S. Finardi, M. Beekmann, R. Sokhi, **A. Mahura**, A. Ginsburg, Mazeikis A. (2013): Meteorological Conditions Favouring Development of Urban Air Pollution Episodes. *Abstracts of European Geosciences Union (EGU), 7-12 Apr 2013, Vienna, Austria; General Assembly, Geophysical Research Abstracts, Vol.15, EGU2013-12835*
65. (2012) - **Mahura A.**, Petersen C., Sattler K., Sass B.H., T.S. Pedersen, P. Holm (2012): Evaluation of Fine-Scale Road Stretch Forecasts using High Resolution Physiographic and Multi-Year Thermal Mapping Data. *Abstracts of European Meteorological Society (EMS) Annual Meeting, 10-14 Sep 2012, Lodz, Poland, Vol.9, EMS2012-190*
66. (2012) - **Mahura A.**, Petersen C., Sass B.H., M. Eram (2012): Road Weather Verification: Revised Approach. *Abstracts of European Meteorological Society (EMS) Annual Meeting, 10-14 Sep 2012, Lodz, Poland, Vol.9, EMS2012-192*
67. (2012) - **Mahura A.**, R.Nuterman, A.Mazeikis, I.Gonzalez-Aparicio, S.Ivanov, J.Palamarchuk (2012): Small-scale research project: Enviro-HIRLAM application for studies of urban and aerosol impacts on metropolitan areas. *Abstracts of European Meteorological Society (EMS) Annual Meeting, 10-14 Sep 2012, Lodz, Poland, Vol.9, EMS2012-189*
68. (2012) - Petersen C., **A. Mahura** (2012): Influence of the Pavement Type on the Road Surface Temperature. *Abstracts of 16th International Road Weather Conference, 23-25 May 2012, Helsinki, Finland; ID-046-5p-oral*
69. (2012) - **Mahura A.**, Petersen C., Sattler K., Sass B., Pedersen T., Holm P. (2012): Fine-Scale Road Stretch Forecasting: Applications of High Resolution Terrain and Thermal Mapping Data. *Abstracts of 16th International Road Weather Conference, 23-25 May 2012, Helsinki, Finland; ID-048-8p-poster*
70. (2012) - **Mahura A.**, I. Gonzalez-Aparicio, R. Nuterman, A. Baklanov (2012): Modelling and Evaluation of Environmental Impact due to Continuous Emissions of the Severonickel Plant (Kola Peninsula). *Abstracts of European Geosciences*

Union (EGU) General Assembly, 22-27 Apr 2012, Vienna, Austria; *Geophysical Research Abstracts*, Vol.14, EGU2012-10270

71. (2012) - Pankratov F., **A. Mahura**, O. Katz, A. Konoplev (2012): Long-term Continuous Monitoring of Mercury in the Russian Arctic: Evaluation of Impact from Icelandic Volcanic Eruptions. *Abstracts of European Geosciences Union (EGU) General Assembly, 22-27 Apr 2012, Vienna, Austria; Geophysical Research Abstracts*, Vol.14, EGU2012-10377
72. (2012) - Zakey A.S., A. Baklanov, F. Solmon, F. Giorgi, R. Nuterman, B.H. Sass, U.S. Korsholm, K.P. Nielsen, J.H. Sørensen, **A. Mahura** (2012): The Signature of Climate Change on Surface Ozone: Using the Online Integrated Climate-Chemistry Model (EnvClimA). *Abstracts of European Geosciences Union (EGU) General Assembly, 22-27 Apr 2012, Vienna, Austria; Geophysical Research Abstracts*, Vol.14, EGU2012-10887
73. (2012) - Baklanov A., M. Lawrence, S. Pandis, R. Sokhi, **A. Mahura**, and MEGAPOLI Team (2012): Megacities, Air Quality and Climate Interactions: Answers on MEGAPOLI Scientific Questions. *Abstracts of European Geosciences Union (EGU) General Assembly, 22-27 Apr 2012, Vienna, Austria; Geophysical Research Abstracts*, Vol.14, EGU2012-11411
74. (2012) - Zakarin E., L. Balakay, B. Mirkarimova, **A. Mahura**, A. Baklanov, J.H. Sorensen (2012): Transboundary Atmospheric Pollution of Oil-Gas Industry Emissions from North Caspian region of Kazakhstan. *Abstracts of European Geosciences Union (EGU) General Assembly, 22-27 Apr 2012, Vienna, Austria; Geophysical Research Abstracts*, Vol.14, EGU2011-12366
75. (2012) - A. Baklanov, M. Lawrence, S. Pandis, R. Sokhi, **A. Mahura**, H. Denier van der Gon, M. Beekmann, J. Theloke, MEGAPOLI Team (2012): Review of final results - MEGAPOLI project: Answers on Science Questions. *Abstracts of the NASA LCLUC Spring Science Team Meeting 2012, 3-5 Apr 2012, Washington DC/Rockville, USA*
76. (2012) - Nuterman R., Baklanov A., Mahura A., Zakey A., Amstrup B., U.S. Korsholm (2012): High-Resolution Forecast Meteorology and Chemistry for Danish Urban Area. *Proceedings of Abstracts 8th International Conference on Air Quality - Science and Application; Singh V., Price H., Bartzis J., Sokhi R.S. (Eds.) 293p, ISBN: 978-1-907396-80-9; 19-23 Mar 2012, Athens, Greece; pp.205*
77. (2012) - **Mahura A.**, A. Baklanov, R. Nuterman, U.S. Korsholm, A. Zakey, I. Gonzalez-Aparicio, Y. Gavriloza (2012): Urban Scale Modelling: Hierarchy and Applications for European Metropolitan Areas. *Proceedings of Abstracts 8th International Conference on Air Quality - Science and Application; Singh V., Price H., Bartzis J., Sokhi R.S. (Eds.) 293p, ISBN: 978-1-907396-80-9; 19-23 Mar 2012, Athens, Greece; pp.208*
78. (2012) - Baklanov A., M. Lawrence, S. Pandis, R. Sokhi, **A. Mahura**, D. Van der Gon, J. Theloke, J. Kukkonen and MEGAPOLI team (2012): Megacity Effects on Air Quality and Climate: Answers on MEGAPOLI Scientific Questions Relevant for European Policy. *Proceedings of 8th International Conference on Air Quality - Science and Application; Singh V., Price H., Bartzis J., Sokhi R.S. (Eds.) 293p, ISBN: 978-1-907396-80-9; 19-23 Mar 2012, Athens, Greece; pp.5*
79. (2011) - Nuterman R.B., A.A. Baklanov, **A. Mahura**, A. Zakey, U.S. Korsholm, B. Amstrup, I. Gonzalez-Aparicio (2011): Multi-scale meteorological and chemical weather forecasting with downscaling model system. *Abstracts of European Meteorological Society (EMS) Annual Meeting, 12-16 Sep 2011, Berlin, Germany, Vol.8, EMS2011-29*
80. (2011) - Baklanov A., M. Lawrence, S. Pandis, **A. Mahura** and MEGAPOLI team (2011): Megacities, air pollution and their effects on climate at different scales. *Abstracts of European Meteorological Society (EMS) Annual Meeting, 12-16 Sep 2011, Berlin, Germany, Vol.8, EMS2011-821*
81. (2011) - Pankratov F., **A. Mahura**, O. Katz, A. Konoplev (2011): The behavior dynamics of elementary mercury in the atmospheric surface layer in the Russian Arctic during eruption of the Eyjafjallajökull volcano in Iceland. *Abstracts of International Conference on Computational Information Technologies for Environmental Sciences (CITES-2011), 3-13 Jul 2011, Tomsk, Russia, p.134*
82. (2011) - **Mahura A.**, I. Gonzalez-Aparicio, R. Nuterman, A. Baklanov (2011): Modelling and Evaluation of Concentration, Deposition and Loadings Patterns Resulted from Continuous Emissions of the Severonickel Smelters (Kola Peninsula). *Abstracts of International Conference on Computational Information Technologies for Environmental Sciences (CITES-2011), 3-13 Jul 2011, Tomsk, Russia, p.195*
83. (2011) - **Mahura A.**, C. Petersen, K. Sattler, B.H. Sass (2011): Fine-Scale Road Stretch Forecasting: Improvements due to Applications of High Resolution Databases. *Abstracts of International Conference on Computational Information Technologies for Environmental Sciences (CITES-2011), 3-13 Jul 2011, Tomsk, Russia, pp.67-68*
84. (2011) - Baklanov A., U.S. Korsholm, **A. Mahura**, A. Zakey, R. Nuterman, B. Sass, K.P. Nielsen, B. Sorensen, I. Gonzalez-Aparicio (2011): Enviro-HIRLAM online integrated ACT-NWP modeling system with two-way interactions: History and current status. *Abstracts of European Geosciences Union (EGU) General Assembly, 3-8 Apr 2011, Vienna, Austria; Geophysical Research Abstracts*, Vol.13, EGU2011-13492
85. (2011) – González-Aparicio I., R. Nuterman, U.S. Korsholm, **A. Mahura**, J. Hidalgo, A. Baklanov (2011): Urban scale modelling for a megacity and a medium size city: Evaluating sulphate aerosol indirect effects. *Abstracts of European Geosciences Union (EGU) General Assembly, 3-8 Apr 2011, Vienna, Austria; Geophysical Research Abstracts*, Vol.13, EGU2011-1562

86. (2011) - Baklanov A.A., U.S. Korsholm, **A. Mahura**, A.S. Zakey, K.P. Nielsen, R.B. Nuterman, B.H. Sass (2011): Physical and Chemical Weather as a Joint Problem: Two-Way Interacting Integrated Modelling. *Proceeding of 91st Annual Meeting of American Meteorological Society (AMS), 23–27 Jan 2011, Seattle, WA, USA, Paper 7.1, 8p*
87. (2010) - Nuterman R., A. Baklanov, **A. Mahura**, B. Amstrup, J. Weismann (2010): Downscaling modeling system for multi-scale air quality forecasting. *Abstracts of 10th European Meteorological Society (EMS) Annual Meeting / 8th European Conference on Applied Climatology (ECAC), 13–17 Sep 2010, Zürich, Switzerland, EMS2010-819*
88. (2010) - Baklanov A., B.H. Sass, **A. Mahura**, U.S. Korsholm, R. Nuterman, K.P. Nielsen, N.W. Nielsen, C. Petersen, K. Sattler, X. Yang, A. Zakey (2010): Enviro-HIRLAM: Environment – High Resolution Limited Area Model: Research and Development, Technical Support and Science Education. *Abstracts of International Conference on Environmental Observations, Modeling and Information Systems (ENVIROMIS-2010); 5-11 Jul 2010, Tomsk, Russia; ISBN: 978-5-89702-264-9, pp.83*
89. (2010) - **Mahura A.**, A. Baklanov, O. Rigina (2010): Long-Term Dispersion Modelling of Atmospheric Pollution Transport and Deposition and Assessment for Middle and Northern Latitudes. *Abstracts of International Conference on Environmental Observations, Modeling and Information Systems (ENVIROMIS-2010); 5-11 Jul 2010, Tomsk, Russia; ISBN: 978-5-89702-264-9, pp.86*
90. (2010) - **Mahura A.**, U.S. Korsholm, A. Baklanov, C. Petersen, A. Rasmussen (2010): Birch Pollen: Modelling, Spatial and Temporal Variability, Elevated Episodes, Potential Source Regions, Emissions Parametrizations, and Future Research. *Abstracts of International Conference on Environmental Observations, Modeling and Information Systems (ENVIROMIS-2010); 5-11 Jul 2010, Tomsk, Russia; ISBN: 978-5-89702-264-9, pp.87-88*
91. (2010) - **Mahura A.**, R. Nuterman, I. Petrova, B. Amstrup (2010): Atmospheric Chemical Transport and Trajectory Modelling for Elevated Ozone Episodes and Climatological Patterns. *Abstracts of International Conference on Environmental Observations, Modeling and Information Systems (ENVIROMIS-2010); 5-11 Jul 2010, Tomsk, Russia; ISBN: 978-5-89702-264-9, pp.86-87*
92. (2010) - Ovdoshenkov I., **A. Mahura** (2010): Multi-Year Air Temperature and Precipitation Variability on the Kola North. *Abstracts of International Conference on Environmental Observations, Modeling and Information Systems (ENVIROMIS-2010); 5-11 Jul 2010, Tomsk, Russia; ISBN: 978-5-89702-264-9, pp.26*
93. (2010) - Petrova I., **Mahura A.**, Dubasov Yu., Pakhomov S. (2010): Identification of radioactive noble gases sources in the North-West Russia (Cherepovets Region). *Abstracts of International Conference on Environmental Observations, Modeling and Information Systems (ENVIROMIS-2010); 5-11 Jul 2010, Tomsk, Russia; ISBN: 978-5-89702-264-9, pp.91*
94. (2010) - Balakay L., E. Zakarin, **A. Mahura**, A. Baklanov, J.H. Sorensen (2010): Multi-Scale GIS Modelling: Radionuclide Transport from the Semipalatinsk Polygon. *Abstracts of International Conference on Environmental Observations, Modeling and Information Systems (ENVIROMIS-2010); 5-11 Jul 2010, Tomsk, Russia; ISBN: 978-5-89702-264-9, pp.84*
95. (2010) - Penenko V., A. Baklanov, E. Tsvetova, **A. Mahura** (2010): Direct and inverse modelling for environmental risk/vulnerability assessment and emission control. *Abstracts of International Conference on Environmental Observations, Modeling and Information Systems (ENVIROMIS-2010); 5-11 Jul 2010, Tomsk, Russia; ISBN: 978-5-89702-264-9, pp.90-91*
96. (2010) - Nuterman R., Baklanov A., **Mahura A.**, Amstrup B., Sass B.H., Weismann J. (2010): Downscaling of European Air Quality forecasts to street level. *Abstracts of International Conference on Environmental Observations, Modeling and Information Systems (ENVIROMIS-2010); 5-11 Jul 2010, Tomsk, Russia; ISBN: 978-5-89702-264-9, pp.90*
97. (2010) - Baklanov A., M. Lawrence, S. Pandis, **A. Mahura**, and MEGAPOLI team (2010): MEGAPOLI - Megacities: Emissions, urban, regional and Global Atmospheric POLLution and climate effects, and Integrated tools for assessment and mitigation. *Abstracts of International Conference on Environmental Observations, Modeling and Information Systems (ENVIROMIS-2010); 5-11 Jul 2010, Tomsk, Russia; ISBN: 978-5-89702-264-9, pp.78-79*
98. (2010) - **Mahura A.**, R. Nuterman, I. Petrova, B. Amstrup (2010): Potential Source Regions for Elevated Ozone Events in Denmark. *Abstracts of European Geosciences Union (EGU) General Assembly, 2-7 May 2010, Vienna, Austria; Geophysical Research Abstracts, Vol.12, EGU2010-11374*
99. (2010) - Baklanov A., V. Penenko, **A. Mahura**, E. Tsvetova, R. Nuterman, A. Starchenko, A. Penenko, J. H. Sørensen, A. Tridvornov (2010): Environmental risk assessment and optimisation modelling: Methodology and applications for Northern Eurasia. *Abstracts of European Geosciences Union (EGU) General Assembly, 2-7 May 2010, Vienna, Austria; Geophysical Research Abstracts, Vol.12, EGU2010-13102*
100. (2010) - Gavrilo Yu., **Mahura A.**, Smyshlayev S., Baklanov A. (2010): Urban effects in numerical weather prediction model at Saint-Petersburg metropolitan area for winter. *Abstracts of European Geosciences Union (EGU) General Assembly, 2-7 May 2010, Vienna, Austria; Geophysical Research Abstracts, Vol.12, EGU2010-314*
101. (2010) - Baklanov A., R. Nuterman, **A. Mahura**, B. Amstrup, Sass B.H., J.H. Sorensen, T. Lorenzen, J. Weismann (2010): Methodology for Air Quality Forecast Downscaling from Regional- to Street-Scale. *Abstracts of European Geosciences Union (EGU) General Assembly, 2-7 May 2010, Vienna, Austria; Geophysical Research Abstracts, Vol.12, EGU2010-13747*

102. (2010) - Korsholm U.S., **Mahura A.**, Baklanov A., (2010): Effects of Paris on regional meteorological and chemical weather in the context of the EC-project MEGAPOLI. *Abstracts of European Geosciences Union (EGU) General Assembly, 2-7 May 2010, Vienna, Austria; Geophysical Research Abstracts, Vol.12, EGU2010-10650*
103. (2010) - Pedersen T., Petersen C., Sattler K., **Mahura A.**, Sass B. (2010): Physiographic Data for Road Stretch Forecasting. *Abstracts of 15th International Road Weather Conference, SIRWEC, 5-7 Feb 2010, Quebec, Canada, T5.18, 5p*
104. (2009) - Baklanov A., Korsholm U.S., **Mahura A.**, Laursen L. (2009): Integrated Systems for Weather and Air Quality Forecasting. *Abstracts of CAS Technical Conference on "Environmental Prediction in the Next Decade: Weather, Climate, Water and the Air We Breathe", 16-17 Nov 2009, Incheon, South Korea*
105. (2009) - Baklanov A., Lawrence M., Pandis S., **Mahura A.** and MEGAPOLI Team (2009): MEGAPOLI: concept and first results of multi-scale modelling of megacity impacts. *Abstracts of 9th European Meteorological Society (EMS-2009) Annual Meeting, 28 Sep – 2 Oct 2009, Toulouse, France; Vol.6, EMS2009-598*
106. (2009) - Baklanov A., Korsholm U.S., **Mahura A.**, Nuterman R., Petersen C. (2009): Chemical weather forecasting: new concept and service for meteorological centers. *Abstracts of 9th European Meteorological Society (EMS-2009) Annual Meeting, 28 Sep – 2 Oct 2009, Toulouse, France; Vol.6, EMS2009-595*
107. (2009) - Baklanov A., Joffre S., Kuchin A., **Mahura A.**, Piringer M., Zilitinkevich S. (2009): The mixing height in urban areas - recent experimental and modelling results. *Abstracts of 9th European Meteorological Society (EMS-2009) Annual Meeting, 28 Sep – 2 Oct 2009, Toulouse, France; Vol.6, EMS2009-596*
108. (2009) - **Mahura A.**, R. Nuterman, I. Petrova, B. Amstrup (2009): Elevated Ozone Levels in Denmark: Analysis Employing Trajectory and Chemical Transport Modelling. *Abstracts of 9th European Meteorological Society (EMS) Annual Meeting, 28 Sep - 2 Oct 2009, Toulouse, France, Vol.6, EMS2009-70*
109. (2009) - **Mahura A.**, C. Petersen, K. Sattler, B. Sass (2009): Fine-Scale Road Stretch Forecasting along Main Danish Roads. *Abstracts of 9th European Meteorological Society (EMS) Annual Meeting, 28 Sep - 2 Oct 2009, Toulouse, France, Vol.6, EMS2009-71*
110. (2009) - **Mahura A.**, K. Sattler, C. Petersen, B. Sass (2009): Improvement of Road Forecasting using Effects of Shadowing due to Terrain and Distance to Seashore. *Abstracts of 9th European Meteorological Society (EMS) Annual Meeting, 28 Sep - 2 Oct 2009, Toulouse, France, Vol.6, EMS2009-81*
111. (2009) - **Mahura A.**, C. Petersen, B. Sass, K. Sattler (2009): Fine-Scale Road Stretch Forecasting. *Proceedings of International Symposium on Nowcasting and Very Short Range Forecasting, 30 Aug – 4 Sep 2009, Whistler, British Columbia, Canada, P1.10L*
112. (2009) - Petrova I., **A. Mahura**, Yu. Dubasov, E. Podgaisky (2009): Evaluation of Atmospheric Transport for Elevated and Lowered 85Kr Concentrations during Monitoring at Regional Background Measurement Station (Cherepovets, Vologda Region). *Abstracts of International Conference on Computational Information Technologies for Environmental Sciences: CITES-2009, 11-15 Jul 2009, Krasnoyarsk, Russia, pp.55-56*
113. (2009) - Gavrilova Yu., **A. Mahura**, S. Smyshlayev, A. Baklanov (2009): Thermal and Dynamical Urban Effects of Saint-Petersburg Metropolitan Area – Winter Case Study. *Abstracts of International Conference on Computational Information Technologies for Environmental Sciences: CITES-2009, 11-15 Jul 2009, Krasnoyarsk, Russia, pp.63-64*
114. (2009) - **Mahura A.**, S. Leroyer, P. Mestayer, A. Baklanov, C. Petersen (2009): Urbanization in Atmospheric Modelling with High Spatial and Temporal Resolution. *Abstracts of International Conference on Computational Information Technologies for Environmental Sciences: CITES-2009, 11-15 Jul 2009, Krasnoyarsk, Russia, pp.64-65*
115. (2009) - Baklanov A., Korsholm U., **Mahura A.**, Gross A., C. Petersen (2009): Chemical Weather Forecasting: a New Concept and Methodology. *Abstracts of International Conference on Computational Information Technologies for Environmental Sciences: CITES-2009, 11-15 Jul 2009, Krasnoyarsk, Russia, pp. 59-60*
116. (2009) - Baklanov A., Lawrence M., Padis S., **Mahura A.**, and MEGAPOLI Team (2009): MEGAPOLI: Methodology, Approaches and First Results. *Abstracts of International Conference on Computational Information Technologies for Environmental Sciences: CITES-2009, 11-15 Jul 2009, Krasnoyarsk, Russia, pp.62-63*
117. (2009) - Penenko V., A. Baklanov, E. Tsvetova, **A. Mahura** (2009): Direct and inverse modelling for environmental risk assessment and emission control. *Geophysical Research Abstracts of European Geosciences Union Assembly, EGU-2009, 19-24 Apr 2009, Vienna, Austria, Vol.11, EGU2009-8486*
118. (2009) - Balakay L., E. Zakarin, **A. Mahura**, A. Baklanov, J.H. Sorensen (2009): GIS Modelling of Radionuclide Transport from the Semipalatinsk Test Site. *Geophysical Research Abstracts of European Geosciences Union Assembly, EGU-2009, 19-24 Apr 2009, Vienna, Austria, Vol.11, EGU2009-8596*
119. (2009) - Baklanov A., U.S. Korsholm, **A. Mahura**, R. Nuterman, A. Gross (2009): Combined effects of urban features and air pollution from megacities on meteorology and environment at different scales. *Geophysical Research Abstracts of European Geosciences Union Assembly, EGU-2009, 19-24 Apr 2009, Vienna, Austria, Vol.11, EGU2009-8648*
120. (2009) - Baklanov A., M. Lawrence, S. Pandis, **A. Mahura**, and MEGAPOLI Team (2009): Megacities: Emissions, urban, regional and Global Atmospheric POLLution and climate effects, and Integrated tools for assessment and mitigation (EC FP7 Project MEGAPOLI). *Abstracts of Climate Congress, 12-14 Mar 2009, Copenhagen, Denmark, pp.12-14*

121. (2008) - Baklanov A., Gordon E., Heiman M., M. Kabanov, V. Lykosov, **A. Mahura**, A. Onuchin, V. Penenko, P. Pushistov, A. Shvidenko, E. Zakarin (2008): Man-induced environmental risk: monitoring, management and remediation of man-made changes in Siberia: Main Achievements. *Abstracts of International Conference "Ecological Problems of Northern Regions and Ways of Their Solution"*, 14-16 Oct 2008, Apatity, Russia, Vol.2, 192 p., ISBN: 978-5-91137-056-5, pp.40-41
122. (2008) - **Mahura A.**, Baklanov A., J.H. Sorensen, Rigina O., Svetlov A. (2008): Long-term dispersion modelling of atmospheric transport and deposition of pollutants and their impact in middle and northern latitudes of the Northern Hemisphere. *Abstracts of International Conference "Ecological Problems of the Northern Regions and Ways of Their Solution"*, 14-16 Oct 2008, Apatity, Russia, Vol.2, 192 p., ISBN: 978-5-91137-056-5, pp.185-186
123. (2008) - Ovdoshenkov I., **Mahura A.**, Nekhaichik V. (2008): Long-term air temperature variability on the Kola Peninsula. *Abstracts of International Conference "Ecological Problems of the Northern Regions and Ways of Their Solution"*, 14-16 Oct 2008, Apatity, Russia, Vol.2, 192 p., ISBN: 978-5-91137-056-5, pp.163 (in Russian)
124. (2008) - Svetlov A., Baklanov A., **Mahura A.**, Sorensen J.H. (2008): Evaluation of impact of the long-term continuous anthropogenic emissions from the Cu-Ni industry of the Russian Arctic on large cities of the North-West federal district. *Abstracts of International Conference "Ecological Problems of the Northern Regions and Ways of Their Solution"*, 14-16 Oct 2008, Apatity, Russia, Vol.2, pp.164-168 (in Russian)
125. (2008) - Korsholm U., A. Gross, **A. Mahura**, A. Baklanov (2008): On importance of urban-aerosol-meteorology feedbacks in pollutant transformations. *Abstracts of 8th Annual Meeting of European Meteorological Society & European Conference on Applied Climatology*, 29 Sep – 3 Oct 2008, Amsterdam, Netherlands, Vol.5, EMS2008-A-00398
126. (2008) - **Mahura A.**, Korsholm U.S., Baklanov A., Rasmussen A. (2008): Short-Term Birch Pollen Forecasting using Diurnal Cycle Parametrization. *Abstracts of 8th Annual Meeting of European Meteorological Society & European Conference on Applied Climatology*, 29 Sep – 3 Oct 2008, Amsterdam, Netherlands; Vol.5, EMS2008-A-00390
127. (2008) - **Mahura A.**, C. Petersen, B.H. Sass (2008): Road Weather Model Verification: Revised Approach. *Abstracts of 8th Annual Meeting of European Meteorological Society and European Conference on Applied Climatology*, 29 Sep – 3 Oct 2008, Amsterdam, Netherlands; Vol. 5, EMS2008-A-00456
128. (2008) - **Mahura A.**, Baklanov A., S. Hoe, J.H. Sorensen, C. Petersen (2008): Changes in Atmospheric Transport and Deposition Patterns due to Influence of Metropolitan Areas. *Abstracts of International Conference "Mesoscale Meteorology and Air Pollution"*, 15-17 Sep 2008, Odessa, Ukraine, p. 88
129. (2008) - **Mahura A.**, Rasmussen A., Baklanov A. (2008): Diurnal Cycle of Birch Pollen: Parametrization for Operational Modelling. *Abstracts of 4th European Symposium on Aerobiology*, 12-16 Aug 2008, Turku, Finland, p. 34
130. (2008) - Rasmussen A., **Mahura A.**, Korsholm U.S., Baklanov A., Sommer J. (2008): The Danish operational pollen forecasting system. *Abstracts of 4th European Symposium on Aerobiology*, 12-16 Aug 2008, Turku, Finland, p.57
131. (2008) - Baklanov A., Korsholm U., **Mahura A.**, Gross A., Petersen C. (2008): ENVIRO-HIRLAM - A Coupled Urban Meteorological and Air Pollution Model. *Abstracts of International Conference on Environmental Observations, Modeling and Information Systems (ENVIROMIS-2008)*, 28 Jun – 5 Jul 2008, Tomsk, Russia, p.54
132. (2008) - **Mahura A.**, Petersen C., Baklanov A., Amstrup B. (2008): Evaluation of the Urbanization Impact in the Operational Meteorological and Climatological Modelling. *Abstracts of International Conference on Environmental Observations, Modeling and Information Systems (ENVIROMIS-2008)*, 28 Jun – 5 Jul 2008, Tomsk, Russia, p.55
133. (2008) - **Mahura A.**, Baklanov A., Sorensen J.H. (2008): Enviro-RISKS - Overview of Applications for Short- and Long-Term Modelling and Assessment for Atmospheric Pollutants. *Abstracts of International Conference on Environmental Observations, Modeling and Information Systems (ENVIROMIS-2008)*, 28 Jun – 5 Jul 2008, Tomsk, Russia, p.106
134. (2008) - Petrova I., **Mahura A.**, Dubasov Yu., Podgaisky E. (2008): Evaluation of Radionuclide (Xe and Kr) Atmospheric Transport during Monitoring in North-West Russia. *Abstracts of International Conference on Environmental Observations, Modeling and Information Systems (ENVIROMIS-2008)*, 28 Jun – 5 Jul 2008, Tomsk, Russia, p.117
135. (2008) - **Mahura A.**, C. Petersen, A. Baklanov, B. Amstrup, S. Leroyer, P. Mestayer, I. Calmet (2008): Impact of Urbanization for the Operational Meteorological and Climatological Modelling for the Copenhagen Metropolitan Area. *Abstracts of FAU Conference - Cities, Climate Change and Development: Is Urban Change for Sustainability possible?*, 14-15 May 2008, Copenhagen, Denmark, p.95
136. (2008) - Petersen C., **Mahura A.**, B.H. Sass (2008): A new step towards a road stretch forecasting system. *Abstract Proceedings of 14th International Road Weather Conference - SIRWEC (Standing International Road Weather Commission)*, 14-16 May 2008, Prague, Czech Republic, pp.9-10; ID-03, 6p
137. (2007) – Baklanov A., P. Mestayer, **A. Mahura**, A. Clappier, G. Shayes, R. Hamdi, S. Zilitinkevich, S. Joffre, B. Fay, S. Finardi (2007): FUMAPEX Experience of Model Urbanization. *Extended Abstracts of COST-728 Workshop on "Urbanisation of meteorological and air quality models"*, UK MetOffice, Exeter, UK, 3-4 May 2007, pp.41-47
138. (2007) – **Mahura A.**, Baklanov A., C. Petersen, N.W. Nielsen, B. Amstrup (2007): Verification and Case Studies for Urban Effects in HIRLAM Numerical Weather Forecasting. *Extended Abstracts of COST-728 Workshop on "Urbanisation of meteorological and air quality models"*, UK MetOffice, Exeter, UK, 3-4 May 2007, pp.96-103

139. (2007) – Baklanov A., U. Korsholm, **A. Mahura**, C. Petersen, A. Gross (2007): Enviro-HIRLAM: On-Line Coupled Modelling of Urban Meteorology and Air Pollution. *Proceeding of 6th International Conference on Urban Air Quality (UAQ), Cyprus, 27-29 Mar 2007*
140. (2007) – Laursen L., U. Korsholm, A. Baklanov, **A. Mahura**, A. Gross, J.H. Sørensen, C. Petersen (2007): DMI-ENVIRO-HIRLAM: A Coupled urban meteorological and air pollution model". *Abstracts of 2nd International Conference on Earth System Modelling (ICESM), Hamburg, Germany, 27-31 Aug 2007, Vol. 1, ICESM2007-A-00223*
141. (2007) – **Mahura A.**, A. Baklanov, O. Rigina, J.H. Sorensen, R. Bergman, V. Golikov, P. Amosov, B. Segerståhl, M. Sickel, T. Bergan, S. Nielsen (2007): Evaluation of Doses, Risks, Vulnerabilities, and Consequences for Population and Environment Employing GIS Analysis. *Abstracts of International Conference on Computational Information Technologies for Environmental Sciences: "CITES-2007", Tomsk, Russia, 20-25 Jul 2007, p.95*
142. (2007) – Baklanov A., A. Aloyan, **A. Mahura**, P. Luzan (2007): Approaches to Evaluation of Source-Receptor Relationship for Atmospheric Pollutants: Trajectory Modelling, Cluster, Probability Fields Analyses, and Adjoint Equations. *Abstracts of International Conference on Computational Information Technologies for Environmental Sciences: "CITES-2007", Tomsk, Russia, 20-25 Jul 2007, p.96*
143. (2007) – Svetlov A., Baklanov A., Mahura A., Sørensen J.H. (2007): Influence of long-term continuous anthropogenic emissions from Russian Arctic sources on Siberian and Ural cities environment. *Abstracts of International Conference and Young Scientists School on Computational Information Technologies for Environmental Sciences: "CITES-2007" Tomsk, Russia, 14-25 Jul 2007, pp.96-97*
144. (2007) – Petersen C., B.H. Sass, **A. Mahura**, T. Pedersen (2007): DMI Road Weather Modelling System: Evaluation of Slippery Road Seasons. *Abstracts of 7th Annual Meeting of European Meteorological Society and EU Conference on Applications of Meteorology, 1-5 Oct 2007, San Lorenzo, Spain; Vol.4, EMS2007-A-00012*
145. (2007) – **Mahura A.**, C. Petersen, B.H. Sass, P. Holm, T. Pedersen (2007): Thermal Mapping Data in Verification of Road Weather Modelling. *Abstracts of 7th Annual Meeting of European Meteorological Society and EU Conference on Applications of Meteorology, 1-5 Oct 2007, San Lorenzo, Spain; Vol.4, EMS2007-A-00013*
146. (2007) – **Mahura A.**, U. S. Korsholm, A. Baklanov, A. Rasmussen (2007): Contribution of Remote Sources in Elevated Birch Pollen Events in Denmark. *Abstracts of 7th Annual Meeting of European Meteorological Society and EU Conference on Applications of Meteorology, 1-5 Oct 2007, San Lorenzo, Spain; Vol.4, EMS2007-A-00026*
147. (2007) – **Mahura A.**, S. Leroyer, A. Baklanov, P. Mestayer, U.S. Korsholm, I. Calmet (2007): Temporal and Spatial Variability of Fluxes in Urbanized Areas. *Proceedings of International Conference on Urban Climate and Bioclimate, 29 Nov – 1 Dec 2007, Lodz, Poland, pp.31-39*
148. (2007) – **Mahura A.**, C. Petersen, A. Baklanov, B. Amstrup (2007): Evaluation of building effect parameterization module for urbanized numerical weather prediction modelling. *Proceedings of International Conference on Urban Climate and Bioclimate, 29 Nov – 1 Dec 2007, Lodz, Poland, pp.10-17*
149. (2007) – Yao R., F.L. Parker, L. Feng, **A. Mahura**, A. Baklanov (2007): Modeling Atmospheric Transport of Radioactive Nuclides from Nuclear Risk Sites in the Russian Far East Region and the Eastern Coast of China. *Proceedings of 2nd Asian and Oceanic Congress Radiological Protection (AOCR-2), Beijing, China, 9-13 Oct 2006, (S5), pp. 18-27*
150. (2006) – **Mahura A.**, A. Baklanov, J.H. Sørensen (2006): Deposition Patterns for the Novaya Zemlya test site. *Proceedings of International Conference on Mesoscale Processes in Atmosphere, Ocean and Environmental Systems. 14-17 Feb 2006, Delhi, India, POII-15, pp.210-211*
151. (2006) – Petersen C., B. Sass, **A. Mahura**, N.W. Nielsen, T. Pedersen, M. Lind, S. Andersen (2006): Assimilation and Validation of Satellite Cloud Cover for Road Weather Forecasting. *Proceedings of International Conference on Mesoscale Processes in Atmosphere, Ocean and Environmental Systems. 14-17 Feb 2006, Delhi, India, SVA-01, pp.128-129*
152. (2006) – **Mahura A.**, A. Baklanov, J.H. Sørensen (2006): Influence of long-range and long-term continuous and accidental anthropogenic emissions from Eurasian sources on Greenland environment. *Proceedings of International Conference "The Greenlandic Environment: Pollution and Solutions", 21-23 Feb 2006, Sisimiut, Greenland, pp.15-22, ISBN 87-7877-205-8*
153. (2006) – Petersen C., Sass B.H., **Mahura A.**, Nielsen N.W., Pedersen T., Lind M., Andersen S. (2006): Operational Danish Road Weather Forecasting using High Resolution Satellite Data. *Proceedings of 13th International Road Weather Conference, SIRWEC-2006, 25-27 Mar 2006, Torino, Italy, p.80-86.*
154. (2006) – **Mahura A.**, A. Baklanov, J.H. Sorensen, A. Tridvornov (2006): Long-term modelling for estimation of man-induced environmental risks. *Abstracts of European Geosciences Union (EGU) General Assembly, 2-7 Apr 2006, Vienna, Austria, EGU06-A-03781*
155. (2006) – **Mahura A.**, A. Baklanov, S. Hoe, J.H. Sørensen, C. Petersen, K. Sattler (2006): Evaluation of land surface scheme modifications on atmospheric transport and deposition patterns in Copenhagen metropolitan area. *Proceedings of 28th NATO/CCMSS International Technical Meeting on Air Pollution Modelling and Its Applications, 15-19 May 2006, Leipzig, Germany, pp.20-26*

156. (2006) – **Mahura A.**, C. Petersen, A. Baklanov, N.W. Nielsen (2006): Combined effects of urban roughness and anthropogenic heat fluxes in numerical weather forecasting. *Proceedings of 6th International Conference on Urban Climate (ICUC), 12-16 Jun 2006, Goteborg, Sweden, pp.40-44*
157. (2006) – **Mahura A.**, A. Baklanov, J.H. Sorensen (2006): Long-term Simulation of Atmospheric Transport and Deposition Patterns from Siberian Sources of Continuous Anthropogenic Sulphates Emissions. *Abstracts of International Conference on Environmental Observations, Modelling, and Informational Systems (ENVIROMIS-2006), 1-8 Jul 2006, Tomsk, Russia, pp.141-142*
158. (2006) – Baklanov A., A. Gross, U. Korsholm, **A. Mahura**, C. Petersen, J.H. Sørensen, A. Rasmussen (2006): Urban Meteorology and Integrated Air Quality Modeling: applications and new directions using ENVIRO-HIRLAM. *Abstracts of International Conference on Environmental Observations, Modelling, and Informational Systems (ENVIROMIS-2006), 1-8 Jul 2006, Tomsk, Russia, p.53*
159. (2006) – Rasmussen A., **A. Mahura**, A. Baklanov, J. Sommer (2006): The Danish Operation Pollen Forecasting System. *Abstracts of 8th International Congress on Aerobiology "Towards a comprehensive vision", 21-25 Aug 2006, Neuchâtel, Switzerland, p.179*
160. (2006) – **Mahura A.**, A. Baklanov, A. Rasmussen, U.S. Korsholm, C. Petersen (2006): Birch pollen forecasting for Denmark. *Abstracts of 6th Annual Meeting of European Meteorological Society (EMS), 3-7 Sep 2006, Ljubljana, Slovenia; Vol.3, EMS2006-A-00495*
161. (2006) – Petersen C., A. Mahura, B. H. Sass, N. Pedersen (2006): Road stretch forecasting. *Abstracts of 6th Annual Meeting of European Meteorological Society (EMS), 3-7 Sep 2006, Ljubljana, Slovenia; Vol.3, EMS2006-A-00485*
162. (2006) – Baklanov A., Korsholm U., Mahura A., Petersen C., Lindberg K., Gross A., Rasmussen A., Sørensen J.H., Amstrup B., Chenevez J. (2006): ENVIRO-HIRLAM Integrated System: strategy and current progress. *Abstracts of 6th Annual Meeting of European Meteorological Society (EMS), 3-7 Sep 2006, Ljubljana, Slovenia; Vol.3, EMS2006-A-00568*
163. (2005) – Baklanov A., Zilitinkevich S., Clappier A., Mestayer P., **Mahura A.**, Joffre S. (2005): Parameterisations of urban atmospheric sublayer in mesoscale meteorological model. *Abstracts at Scientific Assembly of International Association of Meteorology and Atmospheric Sciences (IAMAS), 2-11 Aug 2005, Beijing, China. D1*
164. (2005) – Baklanov A., **A. Mahura**, J.H. Sorensen, A. Svetlov (2005): Northern Hemispheric Long-Term Atmospheric Transport of Anthropogenic Emissions of Sulphur and Heavy Metals. *Abstracts of Scientific Assembly of International Association of Meteorology and Atmospheric Sciences (IAMAS), 2-11 Aug 2005, Beijing, China. A8*
165. (2005) – **Mahura A.**, Baklanov A., Petersen C., Sattler K. (2005): Effects of urbanized areas for high resolution DMI-HIRLAM simulations. *Abstracts of 5th European Meteorological Society Annual Meeting and 7th European Conference on Applications of Meteorology, 12-16 Sep 2005, Utrecht, The Netherlands, Vol.2, EMS05-A-00193*
166. (2005) – **Mahura A.**, Leroyer S., Calmet I., Mestayer P., Baklanov A., Petersen C., Sattler K. (2005): Large eddy simulation of typical climatological heat fluxes for urbanized areas. *Abstracts of 5th European Meteorological Society Annual Meeting and 7th European Conference on Applications of Meteorology, 12-16 Sep 2005, Utrecht, The Netherlands, Vol.2, EMS05-A-00253*
167. (2005) – Baklanov A., A. Clappier, P. Mestayer, **A. Mahura**, S. Zilitinkevich, B. Fay, C. Petersen, V. Ødegaard, A. Rasmussen, J.L. Palau, L. Neunhauserer (2005): Urban Parameterisations for Numerical Weather Prediction Models. *Abstracts of 5th European Meteorological Society Annual Meeting and 7th European Conference on Applications of Meteorology, 12-16 Sep 2005, Utrecht, The Netherlands, Vol.2, EMS05-A-00411*
168. (2005) – **Mahura A.**, Baklanov A., J.H. Sørensen, A. Svetlov, V. Koshkin (2005): Assessment of Long-Range Transport and Deposition from Cu-Ni Smelters of Russian North. *Abstracts of NATO Advanced Research Workshop on Air Quality Modelling for Risk and Impact Assessment, Tabakhmela, Georgia, 16-20 Sep 2005, p.33*
169. (2005) – Baklanov A., **Mahura A.**, J.H. Sorensen, O. Rigina, R. Bergman, V. Golikov, S. Nielsen, B. Segerstahl, M. Sickel (2005): Airbone Risk, Regional Vulnerability and Possible Accidental Consequences from Nuclear Sites in the European Arctic and Sub-Arctic. *Proceedings of 6th International Conference on Environmental Radioactivity in the Arctic and Antarctic, 2-6 Oct 2005, Nice, France, ISBN 82-90362-22-6, pp.4-7*
170. (2005) – Lauritzen B., Baklanov A., **Mahura A.**, Mikkelsen T., J.H. Sorensen (2005): Risk Assessment for Long-Range Atmospheric Transport of Radionuclides. *Proceedings of 2nd International Conference on Radioactivity in the Environment, 2-6 Oct 2005, Nice, France, ISBN 82-90362-21-8, pp.427-430*
171. (2004) – Baklanov A., Mestayer P., Clappier A., Zilitinkevich S., Joffre, S., **Mahura A.**, Nielsen N.W. (2004): Parameterizations of urban atmospheric sublayer in meteorological models: FUMAPEX project achievements. *Proceedings of 4th Annual Meeting of European Meteorological Society (EMS), Nice, France, 26-30 Sep 2004, EMS04-A-00271*
172. (2004) – **Mahura A.**, Mestayer P., Dupont S., Calmet I., Baklanov A., Leroyer S., Long N., Nielsen N.W., Sattler K., Petersen C. (2004): Comparison of short and long-term modeled latent, sensible, and storage heat fluxes employing numerical weather prediction model with and without urbanized modules. *Proceedings of 4th Annual Meeting of European Meteorological Society (EMS), Nice, France, 26-30 Sep 2004, EMS04-A-00391*

173. (2004) – Mahura A., A. Baklanov, J.H. Sorensen (2004): Probabilistic Indicators For Preparedness And Emergency Responce. *Proceeding of International Conference «Ecological Problems Of Northern Regions And Ways Of Their Solution», 30 Aug – 3 Sep 2004, Apatity, Russia, p.178*
174. (2004) – Mahura A., A. Baklanov, J.H. Sorensen (2004): Ranking Of Potential Impact At Copenhagen, Denmark Due To Atmospheric Transport And Despoition From Risk Sites Of The Euro-Arctic Region. *Proceeding of International Conference «Ecological Problems Of Northern Regions And Ways Of Their Solution», 30 Aug – 3 Sep 2004, Apatity, Russia, p.179*
175. (2003) – Parker F., A. Mahura, K. Compton, K. Brown, M. Takano, V. Novikov, A. Baklanov, J.H. Sorensen (2003): Potential Impact of Atmospheric Releases at Russian Far East Nuclear Submarine Complexes. *Proceeding of WM-2003 Conference, 23-27 Feb 2003, Tucson, AZ, USA, 16p*
176. (2003) – Baklanov A., Sorensen J.H., Mahura A. (2003): Optimal selection of the time of hazardous operations, and prediction of consequences of atmospheric releases of harmful matter: the 'Kursk' submarine study. *Abstracts of International Symposium on Off-site Nuclear Emergency Management, 29 Sep – 3 Oct 2003, Salzburg, Austria*
177. (2003) – Baklanov A., Mahura A., Sørensen J.H., Rigina O. (2003): Methodology for Risk Analysis Based on Atmospheric Dispersion Modelling from Nuclear Risk Sites. *EGS-AGU-EUG Joint Assembly, Nice, France, 6–11 April 2003; Geophysical Research Abstracts, Vol.5, EAE03-A-10955*
178. (2003) – Mahura A., A. Baklanov, J.H. Sorensen (2003): Nuclear Risk Sites Possible Impact Indicators Based on Atmospheric Dispersion Modelling. *Proceeding of International Conference: Arctic - Alpine Ecosystems and People in a Changing Environment & 3rd NARP Symposium, 24 Feb - 1 Mar 2003, Tromso, Norway*
179. (2003) – Baklanov A., A. Mahura, J.H. Sorensen, O. Rigina, R. Bergman (2003): Methodology for Risk Analysis based on Atmospheric Trajectory and Dispersion Modelling from Nuclear Risk Sites in Euro-Arctic Region. *Proceedings of 3rd NARP Symposium & International Conference Arctic - Alpine Ecosystems and People in a Changing Environment, 24 Feb - 1 Mar 2003, Tromso, Norway*
180. (2003) – Mahura A., A. Baklanov (2003): Nuclear Risk Sites Possible Impact Indicators Based on Atmospheric Trajectory Modelling. *Proceedings of 3rd NARP Symposium & International Conference Arctic - Alpine Ecosystems and People in a Changing Environment, 24 Feb - 1 Mar 2003, Tromso, Norway*
181. (2003) – Rigina O., Baklanov A., Mahura A. (2003): Nuclear Risk and Vulnerability Assessments based on GIS. Integration of Atmospheric Trajectory and Dispersion Modelling Results. *Proceedings of 3rd NARP Symposium & International Conference Arctic - Alpine Ecosystems and People in a Changing Environment, 24 Feb - 1 Mar 2003, Tromso, Norway*
182. (2003) – Mahura A., Baklanov A. (2003): Evaluation of Source-Receptor Relationship for Atmospheric Pollutants using Probability Field Analysis. *EGS-AGU-EUG Joint Assembly, Nice, France, 6–11 Apr 2003. Geophysical. Research Abstracts, Vol.5, EAF03-A-13136*
183. (2003) – Mahura A., Baklanov A., Sørensen J.H. (2003): Temporal Variability of Dry and Wet Deposition Patterns during Atmospheric Transport from Potential Radioactive Pollution Sources in Euro-Arctic Region. *EGS-AGU-EUG Joint Assembly, Nice, France, 6–11 Apr 2003. Geophysical Research Abstracts, Vol.5, EAE03-A-13352*
184. (2003) – Mahura A., Baklanov A., Sørensen J.H., Compton K. (2003): Statistical Indicators of Air Pollution Removal by Precipitation During Atmospheric Transport. *EGS-AGU-EUG Joint Assembly, Nice, France, 6–11 Apr 2003. Geophysical Research Abstracts, Vol.5, EAE03-A-13290*
185. (2003) – Baklanov A., Mahura A., Sorensen J.H. (2003): Risk Analysis and Evaluation of Source-receptor Relationship based on Atmospheric Transport Modelling. *Proceedings of XXIII General Assembly of International Union of Geodesy and Geophysics (IUGG-2003), Sapporo, Japan, 30 Jun – 11 Jul 2003; MC01/04A/C26-008, A.386*
186. (2002) – Mahura A., Novikov V., Baklanov A., Parker F.L., Sorensen J.H., Brown K., Compton K.L. (2002): Modelling of Atmospheric Transport from Nuclear Risk Sites in Russian Far East. *Proceedings of International Conference “Ecological Problems in Nuclear-Powered Submarines Decommissioning and the Development of the Nuclear Power in the Region (ECOFLOT-2002), 16-20 Sep 2002, Vladivostok, Russia, p.10.*
187. (2002) – Baklanov A., Mahura A., Rigina O., Sorensen J.H. (2002): Nuclear Risk and Vulnerability: Approach for Multidisciplinary Assessments. *Proceedings of International Conference on Radioactivity in the Environment, Principality of Monaco, 2-5 Sep 2002. NRPA, Eds. P.Strand, P.Borretzen, T.Jolle, pp.87-92*
188. (2002) – Mahura A., Baklanov A., Rigina O., Parker F.L. (2002): Statistical Analysis of Atmospheric Transport from the Nuclear Risk Sites in the Arctic Region. *Proceedings of 5th International Conference on Environmental Radioactivity in Arctic & Antarctic, St.Petersburg, Russia, 16-20 Jun 2002. NRPA, Eds. P.Strand, T.Jølle, Å.Sand, pp.119-123*
189. (2002) – Baklanov A., Rigina O., Mahura A. (2002): Nuclear Risk and Vulnerability in the Arctic: New Method for Multidisciplinary Assessments. *Proceedings of 5th International Conference on Environmental Radioactivity in the Arctic & Antarctic, St.Petersburg, Russia, 16-20 Jun 2002. NRPA, Eds. P.Strand, T.Jølle, Å.Sand, pp.397-400*
190. (2002) – Mahura A., Baklanov A., Sorensen J.H. (2002): Methodology for Evaluation of Possible Consequences of Hypothetical Accidental Releases (on example of the Kursk Nuclear Submarine). *Abstracts of European Geophysical Society XXVII Assembly, 21-26 Apr 2002, Nice, France, Geophysical Research Abstracts, Vol.4, EGS02-A-06390*

191. (2002) – Rigina O., Baklanov A., **Mahura A. (2002)**: Integration of GIS-analysis and atmospheric modelling for nuclear risk and vulnerability assessment. *Abstracts of European Geophysical Society XXVII Assembly, 21-26 Apr 2002, Nice, France, Geophysical Research Abstracts, Vol.4, EGS02-A-06452*
192. (2001) – **Mahura A.**, Baklanov A., Sorensen J. (2001): Evaluation of Possible Consequences of Hypothetical Accidental Release at the Kursk Nuclear Submarine. *Abstracts of Danish Society for Atmospheric Research, Copenhagen, Denmark, 15 Nov 2001*
193. (2001) – Baklanov A., **Mahura A. (2001)**: Atmospheric Transport Pathways, Vulnerability and Possible Accidental Consequences from the Nuclear Risk Sites in the European Arctic. *Abstracts of Danish Society for Atmospheric Research, Copenhagen, Denmark, 15 Nov 2001*
194. (2001) – Segerstahl B., A. Baklanov, R. Bergman, **A. Mahura**, O. Rigina, S. Nielsen, J.H. Sørensen, L. Westin (2001): Atmospheric Transport Patterns and Risk in the European North after a Nuclear Accident. *Abstracts of 1st NARP symposium "The Arctic on Thinner Ice", Oulu, Finland, 10-11 May 2001*
195. (1999) – Baklanov A., **A. Mahura**, D. Jaffe, R. Andres, L. Thaning, R. Bergman (1999): Atmospheric Transport Patterns and Possible Consequences for European North after Nuclear Accident. *Proceedings of 4th International Conference on Environmental Radioactivity in Arctic. Edinburgh, Scotland, 20-23 Sep 1999, pp.81-84*
196. (1999) – **Mahura**, D. Jaffe, R. Andres (1999): Air Flow Patterns and Precipitation Probability Fields for the Kola NPP. *Abstracts of International Conference "Nuclear Risks, Environmental and Development Cooperation in the North of Europe", Apatity, Russia, 19-23 Jun 1999, pp.87-93*
197. (1998) – **Mahura A.**, D. Jaffe, J. Harris (1998): Identification of Sources and Long Term Trends for Pollutants at Barrow, Alaska Using Clustered Trajectories. *Abstracts of AGU Fall-1998 Meeting, San Francisco, CA, USA, 6-10 Dec 1998; A11A-01, p.F95*
198. (1998) – Baklanov A., **A. Mahura**, D. Jaffe, L. Thaning, R. Bergman, R. Andres, J. Merrill (1998): Atmospheric Transport Pathways and an Estimation of Possible Consequences after an Accident in the North-West Russia. *Abstracts of 11th World Clear Air and Environment Congress, South Africa, Durban, 14-18 Sep 1998, Vol.2. E6-1:6p*
199. (1998) – **Mahura A.**, D. Jaffe, J. Harris (1998): Identification of the Source Regions and Long Term Trends for Pollutants in the Arctic Using Cluster Analysis of Trajectories. *Abstracts of Conference "Antropogenic Impact on the North Environment and Its Ecological Consequences", Apatity, Russia, 22-25 Jun 1998, pp.147-148 (in Russian)*
200. (1998) – Baklanov A., **A. Mahura**, S. Morozov (1998): Radiation Risk in the Arctic: Possible Pathways for Atmospheric Transport and Radiological Consequences. *Abstracts of Conference "Antropogenic Impact on the North Environment and Its Ecological Consequences", Apatity, Russia, 22-25 Jun 1998, pp.26-28 (in Russian)*
201. (1998) – **Mahura A.**, D. Jaffe, A. Baklanov, R. Andres, L. Thaning, R. Bergman, J. Merrill (1998): Possible Air Transport Pathways for Radionuclides for the Kola Nuclear Power Plant. *Abstracts of AGU-1998 Spring Meeting, Boston, Massachusetts, USA, 26-29 May 1998; A22B-3, p.S24*
202. (1997) – Mahura A., D. Jaffe, J. Harris (1997): Year to Year Variability in the Flow Patterns from Air Pollution Source Regions to Barrow, Alaska. *Abstracts of Annual Arctic Science Conference - 48th Arctic Division Science Conference, "Arctic Science and Resource Management: Exploring the Issues", 24-27 Sep 1997, Valdez, AK, p.118*
203. (1997) – **Mahura A.**, D. Jaffe, R. Andres, D. Dasher, J. Merrill (1997): Atmospheric Transport Pathways from the Kola Nuclear Power Plant. *Extended Abstracts of AMAP International Symposium on Environmental Pollution of Arctic and 3rd International Conference on Environmental Radioactivity in the Arctic; Tromso, Norway, 1-5 Jun 1997, Vol.2, pp.52-54*
204. (1997) – Baklanov A., D. Jaffe, **A. Mahura**, H. Torvela, M. Beloglazov (1997): The Monchegorsk Arctic Mesoscale Experiment - measurement and modeling of atmospheric pollution over a complex terrain. *Abstracts of International Conference 'Air Pollution'97, Bologna, Italy, 16-19 Sep 1997, 10p*
205. (1997) – **Mahura A.**, D. Jaffe, R. Andres, D. Dasher, J. Merrill (1997): Atmospheric Transport Pathways to Alaska from Potential Radionuclide Sites in the Former Soviet Union. *Proceedings of American Nuclear Society 6th Topical Meeting on Emergency Preparedness and Response, San Francisco, CA, USA, 22-25 Apr 1997, Vol.1, pp.173-174*
206. (1997) – Kluychnikova E., **A. Mahura**, A. Baklanov (1997): Student's Researches of Environment. *Proceedings of AMS & 6th Symposium on Education, 2-7 Feb 1997, Long Beach, CA, USA, #1.35*
207. (1996) – Jaffe D., Z. Zhang, J. Kelley, **A. Mahura**, P. Novelli, J. Merrill (1996): Influence of Asian Sources on CO, O₃ and Other Species at Mauna Loa. *AGU 1996 Fall Meeting, 15-19 Dec 1996, San Francisco, CA, USA*
208. (1996) – Jaffe D., **A. Mahura**, P. Novelli, J. Merrill (1996): Long Range Transport of CO and Ozone from Source Regions in Asia. *Abstracts of 5th International Atmospheric Sciences and Application to Air Quality Conference 18-20 Jun 1996, Seattle, WA, USA*
209. (1995) – Zhang Z., D. Jaffe, **A. Mahura**, J. Merrill (1995): A Multi-Species Analysis of the Atmospheric Chemistry Database from the Mauna Loa Observatory: Influence of Asian Sources on the North Pacific Atmosphere. *AGU 1995 Fall Meeting, 11-15 Dec 1995, San Francisco, CA, USA*

210. (1995) – Kelley J., D. Jaffe, A. Baklanov, **A. Mahura (1995)**: Heavy Metal Emissions from Monchegorsk Smelter, Kola Peninsula, Russia. *Abstracts of Annual Arctic Science Conference - 46th Arctic Division Science Conference, "Landscapes - Human Ecology, Landscape Ecology, Earth System Science", 19-22 Sep 1995, Fairbanks, AK, USA, p.77*
211. (1995) – Baklanov A., V. Lukovskiy, **A. Mahura**, D. Jaffe, J. Kelley (1995): The Monchegorsk Experiment - The Investigation of Atmospheric Pollution over Complex Terrain. *European Geophysical Society Assembly, Hamburg, Germany; Apr 1995; Annales Geophysicae, Part II: Oceans, Atmosphere, Hydrology & Nonlinear Geophysics, Supplement II, Vol.13, p.C-349*
212. (1995) – Chirkova I.A., Limkin S.N., **Mahura A.**, Yakunina V.O., Yakhnina M.A. (1995): Ecological Tours with Research Goals. *Abstracts of 2nd International Congress of Arctic Social Sciences (ICASS II), "Unity and Diversity in Arctic Societies", Arctic Center, Rovaniemi, Finland, 28 May-1 Jun 1995, p.18*
213. (1994) – Baklanov A., **Mahura A.**, Morozov S. (1994): The modelling Results of Radioactive Pollution after Hypothetical Accident on Kola Nuclear Plant. *Abstracts of Operation Short-Range Atmospheric Dispersion Models for Environmental Impact Assessment in Europe & 3rd Workshop on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Mol, Belgium, 21-24 Nov 1994, Vol.2, pp.323-334*
214. (1994) – Baklanov A., **A. Mahura**, S.V. Morozov (1994): The Evaluation of Environmental Consequences after Hypothetical Accident on Kola Nuclear Plant. *Abstracts of Operation Short-Range Atmospheric Dispersion Models for Environmental Impact Assessment in Europe & 3rd Workshop on Harmonisation within Atmospheric Dispersion Modelling for Regulatory Purposes, Mol, Belgium, 21-24 Nov 1994. Vol.2, pp.425-426*
215. (1994) – **Mahura A.**, A.Baklanov (1994): Non-Standard Approach to Youth Ecological Education. *Abstracts of International Symposium "Methods of Air and Water Protection. Management and long-Term Planning of Nature Protection Measures", St.Petersburg, Russia, 16-17 Nov 1994, p.96*
216. (1994) – Baklanov A., **Mahura A.**, Shtina N.V., Yakunina V.O. (1994): Khibiny - Ecological Tours with Research Aims. *Abstracts of International Symposium "Methods of Air and Water Protection. Management and long-Term Planning of Nature Protection Measures", St.Petersburg, Russia, 16-17 Nov 1994, p.97*
217. (1993) – Baklanov A., **A. Mahura**, S. Morozov (1993): Evaluation of Environmental Radiation Consequences after Hypothetical Accident at the Kola Nuclear Plant. *Proceedings of International Conference on Environmental Radioactivity in the Arctic and Antarctic, Kirkenes, Norway, 23-27 Aug 1993*
218. (1993) – Baklanov A.A., Barsukov I.V., **Mahura A.**, Morozov S.V. (1993): The simulation of radioactive pollution of the environment after a hypothetical accident on the Kola Nuclear Power Plant. *Proceedings of Conference on Air Pollution Problems in Northern Region of Fennoscandia included Kola, 1-3 June 1993, Svanvik, Norway, pp.104-121*