

Appendices

Publication statistics

 Total number and per department ¹⁾

		2006	2007
Total number of publications		216	219
1.	Books (author, editor)	0	1
2.	Book sections	6	7
3.	Conference proceedings	60	61
4.	Publications, peer-reviewed	48	50
5.	Publications, other	4	3
6.	Lectures, invited	22	18
7.	Lectures, other	76	79
Department of Physics		131	109
1.1	Books (author, editor)	0	0
1.2	Book sections	1	1
1.3	Conference proceedings	43	44
1.4	Publications, peer-reviewed	25	32
1.5	Publications, other	4	3
1.6	Lectures, invited	13	10
1.7	Lectures, other	45	19
Department of Chemistry		43	62
2.1	Books (author, editor)	0	0
2.2	Book sections	0	0
2.3	Conference proceedings	11	10
2.4	Publications, peer-reviewed	10	11
2.5	Publications, other	0	0
2.6	Lectures, invited	5	4
2.7	Lectures, other	17	37
Modeling Department		42	48
3.1	Books (author, editor)	0	1
3.2	Book sections	5	6
3.3	Conference proceedings	6	7
3.4	Publications, peer-reviewed	13	7
3.5	Publications, other	0	0
3.6	Lectures, invited	4	4
3.7	Lectures, other	14	23

¹⁾ Each publication is counted only once and assigned to one department.

Publications

Legend: Department of Physics
 Department of Chemistry
 Modeling Department

Books (author, editor)

2007

Borrego, C. and Renner, E. (Eds.) (2007), Air pollution modeling and its application XVIII, xxxviii, 866 pp., Elsevier, Amsterdam. (Developments in environmental science ; 6)

Book sections

2006

Birmili, W. and Hoffmann, T. 2006. *Particulate and dust pollution, inorganic and organic compounds*. G. J. Laurent and S. D. Shapiro (Ed.), In: *Encyclopedia of respiratory medicine*. Elsevier Academic Press, Amsterdam, **Vol. 2**, p. 110-119.

Knoth, O. 2006. *Compressible atmospheric modelling at all scales*. O. Bühler, A. J. Majda, and R. Klein (Ed.), In: *Mathematical theory and modelling in atmosphere-ocean science (Report No. 39/2006)*. Mathematisches Forschungsinstitut Oberwolfach, **3**, p. 2374-2377. (Oberwolfach Reports)

Hellmuth, O. 2006. *Zur Berücksichtigung der Turbulenz bei der Parametrisierung der homogenen Nukleation in Gasgemischen*. In: *Neue Ergebnisse der Geo- und Kosmoswissenschaften. Teil II: Atmosphärische Wissenschaften. Geophysikalische Hydrodynamik. Zeitreihenanalyse*. trafo verlag, Berlin, p. 81-115. (Sitzungsberichte der Leibniz-Sozietät ; Band 86)

Tegen, I. 2006. *Effects of atmospheric dust*. S. Elias (Ed.), In: *Encyclopedia of quaternary science*. Elsevier, p. 729-739.

Tegen, I. and Kohfeld, K. E. 2006. *Atmospheric transport of silicon*. V. Ittekkot, D. Unger, C. Humborg, and N. Tac An (Ed.), In: *The silicon cycle : Human perturbations and impacts on aquatic systems*. Island Press, p. 81-91. (Scope 66)

Wolke, R., Heinold, B., Helmert, J., Hinneburg, D., Lieber, M., Renner, E., Schröder, W. and Tegen, I. 2006. *Modelling of atmospheric chemistry transport processes*. G. Münster, D. Wolf, and M. Kremer (Ed.), In: *NIC Symposium 2006, Proceedings*. John von Neumann Institute for Computing, Jülich, **NIC Series**, p. 281-288.

2007

Engelke, T., Hugo, A., Renner, E., Schmidt, F., Wolke, R. and Zoboki, J. 2007. *Mixing of plumes with ambient background air: Effects of particle size variations close to the source*. C. Borrego and E. Renner (Ed.), In: *Air pollution modeling and its application XVIII*. Elsevier, Leipzig, Germany, 15-19 May 2006, p. 621-630. (Developments in environmental science ; 6)

Heinold, B., Helmert, J., Tegen, I., Hellmuth, O. and Wolke, R. 2007. *Modeling of Saharan dust events within SAMUM: On the description of the Saharan dust cycle using LM-MUSCAT*. C. Borrego and E. Renner (Ed.), In: *Air pollution modeling and its application XVIII*. Elsevier, Leipzig, Germany, 15-19 May 2006, p. 817-819. (Developments in environmental science ; 6)

Hellmuth, O. 2007. *Interpretation of new particle formation bursts in the planetary boundary layer using a high-order columnar model*. C. Borrego and E. Renner (Ed.), In: *Air pollution modeling and its application XVIII*. Elsevier, Leipzig, Germany, 15-19 May 2006, p. 610-620. (Developments in environmental science ; 6)

Helmert, J., Heinold, B., Tegen, I., Hellmuth, O. and Wolke, R. 2007. *Modeling of Saharan dust events within SAMUM: Implications for regional radiation balance and mesoscale circulation*. C. Borrego and E. Renner (Ed.), In: *Air pollution modeling and its application XVIII*. Elsevier, Leipzig, Germany, 15-19 May 2006, p. 523-533. (Developments in environmental science ; 6)

- Kohfeld, K. E. and Tegen, I. 2007. *Record of mineral aerosols and their role in the earth system*. H. D. Holland and K. K. Turekian (Ed.), In: *Treatise on geochemistry*. Pergamon, Oxford, p. 1-26, doi:10.1016/B9780080437514 (Chapter 4.13).
- Müller, D., Mattis, I., Ansmann, A., Wandinger, U. and Althausen, D. 2007. *Raman lidar for monitoring of aerosol pollution in the free troposphere*. Y.-J. Kim and U. Platt (Ed.), In: *Advanced environmental monitoring*. Springer, p. 422. (Springer Book Series)
- Wolke, R., Lieber, M., Heinold, B., Helmert, J., Schröder, W. and Renner, E. 2007. *An improved coupling scheme in the parallel modelling system LM-MUSCAT*. C. Borrego and E. Renner (Ed.), In: *Air pollution modeling and its application XVIII*. Elsevier, Leipzig, Germany, 15-19 May 2006, p. 820-822. (Developments in environmental science ; 6)

Conference proceedings

2006

- Ansmann, A., Ingmann, P., Le Rille, O., La Jas, D. and Wandinger, U. 2006. *Particle backscatter and extinction profiling with the spaceborne HSR doppler wind lidar ALADIN*. 23rd International Laser Radar Conference, Nara, Japan, 24-28 July. 1015-1018.
- Berndt, T., Böge, O. and Stratmann, F. 2006. *Formation of atmospheric H₂SO₄ / H₂O particles in the absence of organics*. 7th International Aerosol Conference, St. Paul, Minnesota, USA, 10-15 September. 1641-1642.
- Birmili, W., König, K., Sonntag, A., Wehner, B., Franck, U. and Tuch, T. 2006. *Spatial and temporal variability of aerosol concentrations in urban atmospheres: Results from the multiple site experiment PURAT-1*. 7th International Aerosol Conference, St. Paul, Minnesota, USA, 10-15 September. 1771-1772.
- Birmili, W., Mordas, G., Petäjä, T., Aalto, P. P., Riipinen, I., Grönholm, T., Hämeri, K. and Kulmala, M. 2006. *Activation properties of atmospheric nano-particles in the size range 3 to 10 nanometers: Contrasts between urban and rural observations*. 7th International Aerosol Conference, St. Paul, Minnesota, USA, 10-15 September. 1428-1429.
- Boman, C., Pagels, J., Massling, A., Löndahl, J., Rissler, J., Nordin, A., Bohgard, M., Swietlicki, E., Blomberg, A. and Sandström, T. 2006. *Controlled human chamber exposure studies of biomass combustion aerosols*. 7th International Aerosol Conference, St. Paul, Minnesota, USA, 10-15 September. 982-983.
- Boy, M., Hellmuth, O., Korhonen, H., Nilsson, E. D., ReVelle, D., Turnipseed, A., Arnold, F. and Kulmala, M. 2006. *MALTE - Model to predict new aerosol formation in the lower troposphere*. 7th International Aerosol Conference, St. Paul, Minnesota, USA, 10-15 September. 1378-1379.
- Cheng, Y., Eichler, H., Wiedensohler, A., Heintzenberg, J., Zhang, Y., Hu, M., Herrmann, H., Zeng, L. M., Liu, S., Gnauk, T., He, L. and Brüggemann, E. 2006. *The mixing state of black carbon and non-absorbing aerosol component derived from in-situ particle optical properties at Xinken in Pearl River Delta of China*. 7th International Aerosol Conference, St. Paul, Minnesota, USA, 10-15 September. 610-611.
- Cozic, J., Verheggen, B., Mertes, S., Flynn, M., Connolly, P., Bower, K. N., Petzold, A., Baltensperger, U. and Weingartner, E. 2006. *Black carbon contribution to the aerosol phase and its scavenged fraction in mixed phase clouds at the high alpine site Jungfraujoch (3580m asl)*. 7th International Aerosol Conference, St. Paul, Minnesota, USA, 10-15 September. 1393-1394.
- Eichler, H., Cheng, Y., Wiedensohler, A., Heintzenberg, J., Zhang, Y., Hu, M., Herrmann, H., Zeng, L. M., Brüggemann, E., Liu, S., Gnauk, T. and He, L. 2006. *Closure study of in-situ and remote sensing observations of aerosol optical properties at Xinken in Pearl River Delta of China*. 7th International Aerosol Conference, St. Paul, Minnesota, USA, 10-15 September. 609.
- Engelbart, D., Reichardt, J., Görsdorf, U., Althausen, D., Wandinger, U., Grzeschik, M. and Bauer, H.-S. 2006. *LAUNCH-2005 - International Lindenberg campaign for assessment of humidity and cloud profiling systems and its impact on high-resolution modelling*. 7th International Symposium on Tropospheric Profiling: Needs and Technologies, Boulder, Colorado, USA, 11-17 June. 9-6 - 9-8.
- Engelbart, D., Reichardt, J., Mattis, I., Wandinger, U., Klein, V., Meister, A., Hilber, B. and Jaenisch, V. 2006. *RAMSES - German meteorological service Raman lidar for atmospheric moisture sensing*. 23rd International Laser Radar Conference, Nara, Japan, 24-28 July. 683-686.

- Engelke, T., Hugo, A., Renner, E., Schmidt, F., Wolke, R. and Zoboki, J. 2006. *Mixing of plumes with ambient background air - Effects of particle size variations close to the source*. 28th NATO/CCMS International Technical Meeting on Air Pollution Modelling and its Application, Leipzig, Germany, 15-19 May. 152-157.
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- Heinold, B., Helmert, J., Tegen, I., Hellmuth, O. and Wolke, R. 2006. *Modeling of Saharan dust events within SAMUM: On the description of the Saharan dust cycle using LM-MUSCAT*. 28th NATO/CCMS International Technical Meeting on Air Pollution Modelling and its Application, Leipzig, Germany, 15-19 May. 238-239.
- Hellmuth, O. 2006. *Interpretation of new particle formation bursts in the planetary boundary layer using a high-order columnar model*. 28th NATO/CCMS International Technical Meeting on Air Pollution Modelling and its Application, Leipzig, Germany, 15-19 May. 240-247.
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- Hermann, M., Wehner, B., Bischof, G., Han, H.-S., Krinke, T., Liu, W., Zerrath, A. and Wiedensohler, A. 2006. *Characterization of new generation condensation particle counters (CPCs)*. 7th International Aerosol Conference, St. Paul, Minnesota, USA, 10-15 September. 374.
- Hoffmann, D., Gligorovski, S., Parajuli, K. and Herrmann, H. 2006. *Untersuchungen zur Ionenstärkeabhängigkeit von Radikalreaktionen in wässriger Lösung*. 105. Bunsenitagung, Erlangen, Deutschland, 25.-27. Mai. P108.
- Iinuma, Y., Müller, C., Böge, O. and Herrmann, H. 2006. *Gas-phase ozonolysis of methylene-cyclohexane, cyclohexene, and limonene*. 19th International Symposium on Gas Kinetics, Orléans, France, 22-27 July. 81.
- Iinuma, Y., Müller, C., Böge, O. and Herrmann, H. 2006. *Identification of organic sulfate esters in d-limonene ozonolysis SOA under acidic condition*. AGU 2006 Fall Meeting, San Francisco, CA, USA, 11-15 December. Eos Transactions, American Geophysical Union, Fall Meeting Suppl., **87**, A13-F05.
- Klein, V., Wandinger, U., Mattis, I., Reichardt, J. and Engelbart, D. 2006. *RAMSES - An autonomously operating Raman lidar for long-term monitoring of the tropospheric water-vapour profile*. 7th International Symposium on Tropospheric Profiling: Needs and Technologies, Boulder, Colorado, USA, 11-17 June. 8-3 - 8-4.
- Kolgotin, A. and Müller, D. 2006. *2-dimensional regularization for the retrieval of profiles of microphysical aerosol properties from multiwavelength Raman lidar*. 23rd International Laser Radar Conference, Nara, Japan, 24-28 July. 291-294.
- Löndahl, J., Massling, A., Pagels, J., Vaclavik, E., Swietlicki, E., Vinzents, P. and Loft, S. 2006. *Size-resolved respiratory tract deposition of ultrafine hydrophobic and hygroscopic particles during rest and exercise measured on 30 human subjects*. 7th International Aerosol Conference, St. Paul, Minnesota, USA, 10-15 September. 885-886.
- Löndahl, J., Pagels, J., Massling, A., Boman, C., Swietlicki, E., Rissler, J., Blomberg, A. and Sandström, T. 2006. *Respiratory tract deposition of residential biomass combustion aerosol particles in human subjects*. 7th International Aerosol Conference, St. Paul, Minnesota, USA, 10-15 September. 900-901.
- Massling, A., Stock, M., Wehner, B., Tuch, T., Wu, Z., Hu, M., Brüggemann, E., Gnauk, T., Herrmann, H. and Wiedensohler, A. 2006. *Volume size distributions of soluble particle matter of the aerosol in Beijing*. 7th International Aerosol Conference, St. Paul, Minnesota, USA, 10-15 September. 1751-1752.

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- Mattis, I. and Jaenisch, V. 2006. *Automated Lidar Data Analyzer (ALDA) for RAMSES - The autonomously operating Raman lidar for routine tropospheric profiling*. 7th International Symposium on Tropospheric Profiling: Needs and Technologies, Boulder, Colorado, USA, 11-17 June. 8-14 - 8-15.
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- Mertes, S., Verheggen, B., Walter, S., Ebert, M., Conolly, P., Schneider, J., Bower, K. N., Cozic, J., Worrigen, A. and Weingartner, E. 2006. *Counterflow virtual impactor based collection of small ice particles in mixed-phase clouds for the physico-chemical characterisation of tropospheric ice nuclei*. 7th International Aerosol Conference, St. Paul, Minnesota, USA, 10-15 September. 1363-1364.
- Müller, C., Iinuma, Y., Böge, O. and Herrmann, H. 2006. *An aerosol chamber study of alkene ozonolysis*. 7th Informal Conference of Atmospheric and Molecular Science, Helsingør, Denmark, 9-11 June. 16.
- Müller, K., Gnauk, T., Brüggemann, E., Spindler, G., van Pinxteren, D. and Herrmann, H. 2006. *Traffic contribution to particulate matter (PM) in a street canyon in comparison to urban and rural background sites*. 7th International Aerosol Conference, St. Paul, Minnesota, USA, 10-15 September. 1545-1546.
- Müller, T., Hallbauer, E. and Pelzer, J. 2006. *Characteristics and calibration of a spectral online absorption photometer*. 7th International Aerosol Conference, St. Paul, Minnesota, USA, 10-15 September. 431.
- Pagels, J., Boman, C., Rissler, J., Massling, A., Löndahl, J., Wierzbicka, A. and Swietlicki, E. 2006. *Residential biomass combustion aerosols - influence of combustion conditions on physical and chemical particle characteristics*. 7th International Aerosol Conference, St. Paul, Minnesota, USA, 10-15 September. 240-241.
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- Pappalardo, G., Bösenberg, J., Amodeo, A., Ansmann, A., Apituley, A., Balis, D., Böckmann, C., Chaikovskiy, A. P., Comerón, A., Freudenthaler, V., Hansen, G., Mitev, V., Papayannis, A., Perrone, M. R., Pietruczuk, A., Pujadas, M., Ravetta, F., Rizi, V., Simeonov, V., Spinelli, N., Stoyanov, D., Trickl, T. and Wiegner, M. 2006. *European Aerosol Research Lidar Network - Advanced Sustainable Observation System (EARLINET-ASOS)*. 23rd International Laser Radar Conference, Nara, Japan, 24-28 July. 667-670.
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- Schneider, J., Walter, S., Curtius, J., Borrmann, S., Mertes, S., Weingartner, E., Verheggen, B., Cozic, J. and Baltensperger, U. 2006. *Chemical composition measurements of ice nuclei in mixed phase tropospheric clouds during the Cloud and Aerosol Characterization Experiments CLACE*. 7th International Aerosol Conference, St. Paul, Minnesota, USA, 10-15 September. 1356-1357.

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Lectures, invited

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- Ansmann, A. 2006. *Aerosol remote sensing*. Autumn school on measurement techniques in atmospheric chemistry, organized by MPI of Chemistry Mainz and Utrecht University. Oberwesel, Germany. 7-13 October.
- Berndt, T. 2006. *Gasphasen-Epoxidierung mittels NO_x/O₃*. EMS-Chemie. Domat/Ems, Switzerland. 11 April.
- Berndt, T. 2006. *Atmosphärische NO₃/Olefin Reaktion - Ein möglicher Syntheseweg zu Epoxiden*. Universität Karlsruhe. Karlsruhe, Deutschland. 3. Juli.
- Heintzenberg, J. 2006. *Natural and anthropogenic aerosol formation in the atmosphere*. Max Planck Institute for Biogeochemistry. Jena, Germany. 26 January.
- Herrmann, H., Barzagli, P., Hoffmann, D., Iinuma, Y. and Böge, O. 2006. *Interfaces between gas phase mechanisms and aqueous chemistry*. International Conference on Atmospheric Chemical Mechanisms, Daris, CA, USA, 6-8 December.
- Herrmann, H., Iinuma, Y., Böge, O., Miao, Y., Müller, C., Barzagli, P. and Tilgner, A. 2006. *Aerosol chamber studies of high molecular weight organics formation and the role of aqueous phase chemistry*. Meeting "The routes for organics oxidation in the atmosphere and its implications to the atmosphere", Alpe d'Huez, France, 7-11 January.
- Löndahl, J., Massling, A., Pagels, J., Vaclavik, E., Vinzents, P., Swietlicki, E. and Loft, S. 2006. *Size-resolved respiratory tract deposition of aerosol particles*. Joint seminar, Department of Environmental and Occupational Health, Institute of Public Health, Copenhagen University. Copenhagen, Denmark. 9 March.
- Mertes, S. 2006. *Field investigations of aerosol-cloud interactions based on the counterflow virtual impactor technique*. Atmosphärisch-Chemisches Kolloquium des Instituts für Chemie und Dynamik der Geosphäre (ICG). Forschungszentrum Jülich, Deutschland. 1. Juni.
- Mertes, S. 2006. *Sammlung kleiner Eispartikel zur physiko-chemischen Charakterisierung troposphärischer Eiskeime mithilfe der Counterflow Virtual Impactor Technik*. 8. Mitgliederversammlung des SFB 641 TROPEIS. Mainz, Deutschland. 26. September.
- Spindler, G. 2006. *Longtime and size-segregated study of natural and anthropogenically caused PM in East-German lowlands (Saxony, Melpitz site)*. JRC-Workshop on Contribution of natural sources to PM levels in Europe, Ispra, Italy, 12-13 October.
- Stratmann, F., Wex, H., Kiselev, A. and Henning, S. 2006. *Leipzig Aerosol Cloud Interaction Simulator (LACIS): A tool to study hygroscopic growth and activation of aerosol particles*. NOSA 2006 Conference, Helsinki, Finland, 8-10 November.
- Tegen, I. 2006. *How can modelers fill the gap of the aerosol and cloud measurements*. EU-FAR Workshop, Paris, France, 13-15 September.
- Tegen, I. 2006. *SAMUM (SAharan Mineral DUSt Field ExperiMent) - Regional dust modelling*. SDS Committee Meeting. Shanghai, China. 31 October - 1 November.
- Tegen, I. 2006. *The influence of meteorology on air quality*. Stahl-Treff 2006. Düsseldorf, Germany. 9 November.
- Tegen, I. 2006. *Regional modelling of saharan dust aerosol in the framework of the German SAMUM project*. Seminarvortrag ETH Zurich. Zurich, Switzerland. 24 November.
- Wehner, B., Rose, D., von Löwis, S., Uhrner, U., Ketzler, M. and Wiedensohler, A. 2006. *Emission factors in a street canyon and on highways*. Gaef-Meeting 2006, Workshop on Exhaust gas particles in the atmosphere. Karlsruhe, Germany. 29/30 June.
- Wendisch, M. 2006. *Strahlungsübertragung in Zirren: Auswirkungen der Kristallform*. Kolloquium des Meteorologischen Observatoriums Lindenberg. Lindenberg, Deutschland. 27. Juni.
- Wendisch, M. 2006. *Ursachen und Wirkung der globalen Klimaänderung*. Friedrich-Schiller-Gymnasium. Bad Lausick, Deutschland. 16. Juni.
- Wendisch, M. 2006. *Flugzeuggetragene solare spektrale Strahlungsmessungen*. Kolloquium des Clusters Angewandte Fernerkundung, Deutsches Zentrum für Luft- und Raumfahrt e. V. Oberpfaffenhofen, Deutschland. 28. September.

- Wex, H. 2006. *A big open issue in climate research: The influence of clouds on global climate*. GAP-Conference. Leipzig, Germany. May.
- Wex, H. 2006. *Wolken - die großen Unbekannten im Klimageschehen, und wie sie mit dem Leipzig Aerosol Cloud Interaction Simulator (LACIS) untersucht werden*. FSP-Tagung. Bonn, Deutschland. Oktober.

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- Berndt, T. 2007. *A general route for gas-phase epoxidation*. 234th ACS National Meeting, Epoxidation Symposium, Boston, MA, USA, 19-23 August.
- Birmili, W. 2007. *Feine und ultrafeine Partikel in der Atmosphäre: Durchführung und Interpretation von Messungen*. Expertenworkshop zur Luftqualität in Südtirol an der Landesagentur für Umwelt der autonomen Provinz Bozen. Bozen, Italien. 2. April.
- Birmili, W. 2007. *Ultrafine particles (UFP) measurements and modelling*. International Conference on Ultrafine Particle Size Distributions on Air Pollution Monitoring Networks (UFIPOLNET). Dresden, Germany. 24 October.
- Gysel, M., Verheggen, B., Cozic, J., Weingartner, E., Bower, K., Mertes, S., Connolly, P., Gallagher, M., Flynn, M., Choulaton, T. and Baltensperger, U. 2007. *Activation behaviour of aerosol particles in mixed phase clouds at the high alpine research station Jungfraujoch*. Special Symposium on Atmospheric Observations and Advanced Measuring Techniques in the Remote Areas within the 5th Asian Aerosol Conference 2007, Kaohsiung, Taiwan R.O.C., 26-29 August.
- Heintzenberg, J. 2007. *Radiative properties of the atmospheric aerosol*. ESF - INTROP Conference „Aerosols - Properties, Processes and Climate“, Heraclion, Crete, 22-24 April.
- Heintzenberg, J. 2007. *The Leipzig Aerosol Cloud Interaction Simulator*. Meteorological Research Institute. Tsukuba, Japan. 8 March.
- Heintzenberg, J. 2007. *Aerosols over Siberia: The ZOTTO-Project*. Peking University. Beijing, China. 24 September.
- Heintzenberg, J. 2007. *Global scale aerosol measurements in the upper troposphere/lower stratosphere: The civil aircraft based project CARIBIC*. Institute for Geography and Natural Resources, Chinese Academy of Sciences. Beijing, China. 25 September.
- Hellmuth, O. 2007. *Theory of ice germ formation: „ansatz“ of revision with chance of verification? Preliminary results of an enquiry*. Institut für Meteorologie und Klimaforschung, FZ Karlsruhe, Wissenschaftliches Seminar. Karlsruhe, Germany. 7. Februar.
- Hermann, M. 2007. *Ten years of aerosol particle concentration measurements in the upper troposphere and lowermost stratosphere by CARIBIC*. MPI for Chemistry. Mainz, Germany. 27 October.
- Herrmann, H. 2007. *Investigations on tropospheric multiphase chemistry in field, laboratory experiments and modelling*. AGU 2007 Joint Assembly, Acapulco, Mexico, 22-25 May.
- Herrmann, H. 2007. *Troposphärische Multiphasenchemie: Labormessungen, Feldmessungen und Modellierung*. GdCh-Wissenschaftsforum. Ulm, Deutschland. 16.-19. September.
- Laurent, B., Marticorena, B., Bergametti, G., Tegen, I., Schepanski, K. and Heinold, B. 2007. *Mineral dust sources and emission modelling*. WMO/GEO Expert Meeting on an International Sand and Dust Storm Warning System. Barcelona, Spain. 7-9 November.
- Mertes, S. 2007. *In-cloud field studies of aerosol-cloud interactions using a ground-based counterflow virtual impactor (CVI) at different mountain sites*. Scripps Institution of Oceanography, Center for Atmospheric Sciences, University of California, San Diego. La Jolla, CA, USA. 6 December.
- Simmel, M. 2007. *Untersuchungen zur Eisphase troposphärischer Wolken mit Hilfe spektraler Modelle*. Universitätskolloquium. Mainz, Deutschland. 8. Februar.
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- Tegen, I. 2007. *Staubmodellierung im Rahmen des SAMUM Projektes*. Meteorologisches Kolloquium, FU Berlin. Berlin, Deutschland. 23. April.
- Weingartner, E., Cozic, J., Verheggen, B., Gysel, M., Sjogren, S., Baltensperger, U., Mertes, S., Bower, K. N., Connolly, P., Flynn, M., Crosier, J., Gallagher, M., Coe, H., Choulaton, T., Cziczko, D. J., Keller, L., Herich, H., Hoose, C., Lohmann, U., Walter, S., Schneider, J., Curtius, J., Borrmann, S., Petzold, A., Ebert, M., Worringer, A. and Weinbruch, S. 2007. *Aerosol partitioning between interstitial and condensed phase in mixed-phase clouds*. Aerosols - Properties, Processes and Climate (APPC). An ESF - INTROP Conference, Crete, Greece, 22-24 April.

Lectures, other

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- Althausen, D., Wulfmeyer, V., Ostermeyer, M., Menzel, R. and Ehret, G. 2006. *Development of a hemispherically scanning water vapour differential absorption lidar as a reference system for atmospheric measurements*. Spring-Meeting of the German Physical Society. Heidelberg, Germany. 13-16 March.
- Barzagli, P., Tilgner, A., Weigert, B. and Herrmann, H. 2006. *Laboratory and modeling studies of aqueous phase reactions of OH radicals with organic compounds of relevance for atmospheric chemistry*. Joint CACGP/IGAC/WMO Symposium Atmospheric Chemistry at the Interfaces 2006, Cape Town, South Africa, 17-23 September.
- Barzagli, P., Weigert, B. and Herrmann, H. 2006. *Laser-based studies of OH radical reactions in aqueous solution*. EGU General Assembly 2006, Vienna, Austria, 2-7 April.
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- Baumgardner, D., Raga, G. B., Garcia-Garcia, F., Montero, G., Mayol-Bracero, O. L., Morales-Garica, F., Mertes, S., Borrmann, S., Schneider, J., Walter, S., Allan, J., Gysel, M., Dusek, U., Frank, G. and Kraemer, M. 2006. *Aerosol-cloud interactions on a mountain peak in Puerto Rico*. 12th Conference on Cloud Physics, Madison, WI, USA, 10-14 July.
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- Birmili, W. 2006. *Nanoparticles intercomparisons in Europe*. Particles in Europe : Conference with Posters and Exhibition, Antwerp, Belgium, 13-14 June.
- Bischof, G., Krinke, T. J., Zerrath, A. F., Liu, W., Han, H.-S., Hermann, M., Wehner, B. and Wiedensohler, A. 2006. *Characterization of a water-based and butanol-based condensation particle counter*. NIOSH 2006 Conference, Helsinki, Finland, 8-10 November.
- Boman, C., Pagels, J., Löndahl, J., Massling, A., Rissler, J., Swietlicki, E., Bohgard, M., Nordin, A., Blomberg, A. and Sandström, T. 2006. *New chamber set-up for studies of health effects, respiratory deposition and characteristics of biomass combustion aerosols*. NIOSH 2006 Conference, Helsinki, Finland, 8-10 November.
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- Cozic, J., Verheggen, B., Mertes, S., Flynn, M., Connolly, P., Bower, K. N., Petzold, A., Baltensperger, U. and Weingartner, E. 2006. *Black carbon contribution to the aerosol phase and its scavenged fraction in mixed phase clouds at the high alpine site Jungfrauoch (3580m asl)*. EGU General Assembly 2006, Vienna, Austria, 2-7 April.
- Diehl, K., Simmel, M. and Wurzler, S. 2006. *The influence of aerosol properties and drop freezing modes on convective clouds: Numerical simulations*. EGU General Assembly 2006, Vienna, Austria, 2-7 April.
- Engström, E., Leck, C., Granat, L. and Heintzenberg, J. 2006. *Determination of particulate soot in precipitation using nuclepore pcmb filters and photometric detection*. Joint CACGP/IGAC/WMO Symposium Atmospheric Chemistry at the Interfaces 2006, Cape Town, South Africa, 17-23 September.
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- Heintzenberg, J., Leck, C., Birmili, W. and Thernström, M. 2006. *New evidence for fog-related aerosol sources over the Arctic pack ice in summer*. Joint CACGP/IGAC/WMO Symposium Atmospheric Chemistry at the Interfaces 2006, Cape Town, South Africa, 17-23 September.
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- Hellmuth, O. 2006. *Zur Berücksichtigung der Turbulenz bei der Parametrisierung der homogenen Nukleation in Gasgemischen*. Wissenschaftliches Kolloquium „Aktuelle Aspekte der Meteorologie und Klimatologie“, Leibniz-Sozietät e. V. Berlin, Deutschland. 20. Januar.
- Hermann, M., Heintzenberg, J., Martinsson, B. G., Nguyen, H. N., Reichelt, M., Timmreck, C., Zahn, A., Ziereis, H. and Brenninkmeijer, C. A. M. 2006. *Global scale aerosol measurements in the upper troposphere/lower stratosphere obtained by the civil aircraft based project CARIBIC*. Joint CACGP/IGAC/WMO Symposium Atmospheric Chemistry at the Interfaces 2006, Cape Town, South Africa, 17-23 September.
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- Hoffmann, D., Gligorovski, S., Parajuli, K. and Herrmann, H. 2006. *Influence of the ionic strength on radical reactions in aqueous solution*. EGU General Assembly 2006, Vienna, Austria, 2-7 April.
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- Iinuma, Y., Hallquist, M., Herrmann, H., Jonsson, Å., Kiendler-Scharr, A., Mentel, T., Möhler, O., Saathoff, H. and Tillmann, R. 2006. *Product study of α -pinene and limonene ozonolysis: Influence of temperature on product distributions*. EGU General Assembly 2006, Vienna, Austria, 2-7 April.
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- Knoth, O. 2006. *A new dynamical core for compressible atmospheric models*. EGU General Assembly 2006, Vienna, Austria, 2-7 April.
- Knoth, O. 2006. *A new dynamical core for compressible atmospheric models at all scales*. 2006 Workshop on the Solution of Partial Differential Equations on the Sphere, Monterey, California, USA, 26-29 June.
- König, K., Birmili, W., Sonntag, A., Sohmer, R., Ries, L. and Stohl, A. 2006. *Ferntransport feiner und ultrafeiner Aerosolpartikel über den Nordatlantik: Beobachtungen an der Umweltforschungsstation Schneefernerhaus in den bayerischen Alpen*. 7. Deutsche Klimatagung: Klimatrends, Vergangenheit und Zukunft, München, Deutschland, 9.-11. Oktober.
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- Shaw, R. A., Lehmann, K., Saw, E. W. and Siebert, H. 2006. *Simultaneous measurements of droplet clustering and turbulence in cumulus clouds*. 12th Conference on Atmospheric Radiation/12th Conference on Cloud Physics, Madison, Wisconsin, USA, 9-14 July.
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Awards

Publication award of the Leibniz Institute for Tropospheric Research 2006

Hellmuth, O. (2006), Columnar modelling of nucleation burst evolution in the convective boundary layer - first results from a feasibility study - Part I - IV, *Atmos. Chem. Phys.*, 6(12), 4175-4274.

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Heinold, B., J. Helmert, O. Hellmuth, R. Wolke, A. Ansmann, B. Marticorena, B. Laurent, and I. Tegen (2007), Regional modeling of Saharan dust events using LM-MUSCAT: Model description and case studies, *J. Geophys. Res.-Atmosp.*, 112(D11), D11204, doi:11210.11029/12006JD007443.

University courses

Winter semester 2005/2006

University Leipzig
Faculty of Physics
and Earth Science
Meteorology

Lecturer	Course	HPW*)
Heintzenberg, J.	Atmospheric Aerosols I	2 HPW
Heintzenberg, J.	Modern Meteorological Instruments II	1 HPW
Heintzenberg, J.	Postgraduate Seminar	1 HPW
Herrmann, H.	Atmospheric Chemistry I Atmospheric Chemistry Seminar Atmospheric Chemistry Lab	2 HPW 2 HPW block course
Renner, E.	Modeling of Transport and Chemical Transformation of Air Pollutants	2 HPW
Althausen, D.	Optical Measurement Techniques	1 HPW
Stratmann, F. Wiedensohler, A.	Atmospheric Aerosols I Lab	1 HPW
Wandinger, U.	Atmospheric Optics	2 HPW

Summer semester 2006

University Leipzig
Faculty of Physics
and Earth Science
Meteorology

Lecturer	Course	HPW*)
Heintzenberg, J. Tegen, I. Stratmann, F. Wiedensohler, A.	Atmospheric Aerosols II	2 HPW
Heintzenberg, J.	Postgraduate Seminar	1 HPW

*) Hours per week

Lecturer	Course	HPW ^{*)}
Herrmann, H.	Atmospheric Chemistry II Atmospheric Chemistry Seminar	2 HPW 2 HPW
Renner, E. Knoth, O. Wolke, R. Hellmuth, O. Simmel, M. Tegen, I. Helmert, J.	Mesoscale Meteorological Modeling/ Regional Climate Modeling	2 HPW
Ansmann, A. Müller, D. Wandinger, U.	LIDAR: Laser Remote Sensing in the Environment and Atmospheric Science Atmospheric Chemistry Seminar	1 HPW

Guest lectures: summer semester 2006

Lecturer	Course	
Heintzenberg, J.	Lecture: "Optical and Climate Effects of the Atmospheric Aerosols"	Summer school of the University Warsaw, Jastarnia, Poland, June 2006
Hellmuth, O.	Lecture: "Weather Prognosis (NWP) within the Scope of the Program Lectures 'Sources, Pathways, and Receptors of Extreme Floods'" (FLOODmaster Program)	Technical University Dresden, May 2006

Winter semester 2006/2007

**University Leipzig
Faculty of Physics
and Earth Science
*Meteorology***

Lecturer	Course	HPW ^{*)}
Heintzenberg, J.	Frontlines of Atmospheric Research Modern Meteorological Instruments I Modern Meteorological Instruments II	1 HPW 1 HPW 1 HPW
Heintzenberg, J.	Atmospheric Aerosols I	2 HPW
Heintzenberg, J.	Postgraduate Seminar	1 HPW
Herrmann, H.	Atmospheric Chemistry I Atmospheric Chemistry Seminar Atmospheric Chemistry Lab	2 HPW 2 HPW block course
Renner, E.	Modeling of Transport and Chemical Transformation of Air Pollutants	2 HPW
Althausen, D.	Optical Measurement Techniques	1 HPW
Stratmann, F. Wiedensohler, A.	Atmospheric Aerosols Lab	1 HPW
Wandinger, U.	Atmospheric Optic	2 HPW

^{*)} Hours per week

Appendices: University courses

Summer semester 2007

University Leipzig
Faculty of Physics
and Earth Science
Meteorology

Lecturer	Course	HPW*)
Heintzenberg, J. Tegen, I. Stratmann, F. Wiedensohler, A.	Atmospheric Aerosols II Lab	block course
Heintzenberg, J. Tegen, I. Wiedensohler, A.	Atmospheric Aerosols II	2 HPW
Heintzenberg, J. Wiedensohler, A.	Atmospheric Aerosols II Seminar	2 HPW
Heintzenberg, J. Dubois, R. Klugmann, D. Siebert, H. Spindler, G.	Modern Meteorological Instruments I	1 HPW
Heintzenberg, J.	Postgraduate Seminar	1 HPW
Herrmann, H.	Atmospheric Chemistry II Atmospheric Chemistry Seminar	2 HPW 2 HPW
Renner, E. Knoth, O. Wolke, R. Hellmuth, O. Simmel, M. Tegen, I.	Mesoscale Meteorological Modeling/ Regional Climate Modeling	2 HPW
Ansmann, A. Müller, D. Wandinger, U.	LIDAR: Laser Remote Sensing in the Environment and Atmospheric Science	1 HPW

Guest lectures: summer semester 2007

Lecturer	Course	HPW*)
Hellmuth, O.	Lecture: "Weather Prognosis (NWP) within the Scope of the Program Lectures 'Sources, Pathways, and Receptors of Extreme Floods'" (FLOODmaster Program)	Technical University Dresden, June 2007

*) Hours per week

Winter semester 2007/2008

University Leipzig
Faculty of Physics
and Earth Science
Meteorology

Lecturer	Course	HPW^{*)}
<u>Heintzenberg, J.</u> Stratmann, F. Wiedensohler, A.	Atmospheric Aerosols Lab	block course
Heintzenberg, J.	Modern Meteorological Instruments II Frontlines of Atmospheric Research	1 HPW 1 HPW
Heintzenberg, J.	Postgraduate Seminar	1 HPW
Wandinger, U.	Atmospheric Optics	2 HPW
<u>Ziemann, A.</u> (Univ. Leipzig) Heintzenberg, J. Herrmann, H.	Fundamentals of Cloud Physics	2 HPW
Renner, E.	Modeling of Transport and Chemical Transformation of Air Pollutants	2 HPW
Herrmann, H.	Atmospheric Chemistry I Atmospheric Chemistry Seminar Atmospheric Chemistry Lab	2 HPW 2 HPW block course

Guest lectures: winter semester 2007

Lecturer	Course	HPW^{*)}
Heintzenberg, J.	Lecture: "Frontlines in Earth System Science"	Chinese Academy of Sciences, Institute for Geography and Natural Resources, September 2007

^{*)} Hours per week

Master theses

Master thesis 2006

University Leipzig Faculty of Physics and Earth Science	
Bauer, Stefan	Partikelneubildung und Wachstum ultrafeiner Partikel in Peking, China
Eichler, Heike	Hygroscopic behavior and simulation of the aerosol extinction in South East China at ambient conditions
Grein, Matthias	Charakterisierung und Erweiterung der Empfängeroptik des IfT-Ramanlidars MARTHA für kombinierte Aerosol- und Wolkenmessungen
Meier, Jessica	Untersuchung des hygroskopischen Partikelwachstums des urbanen Aerosols in Peking/China und die Simulation der Sichtweite
Seifert, Patric	Seasonal dependence of geometrical and optical properties of tropical cirrus determined from lidar, radiosonde, and satellite observations over the polluted tropical Indian Ocean (Maldives)
Stock, Maria	Hygroskopische Eigenschaften und Mischungszustände des sommerlichen ostmediterranen Aerosols in Abhängigkeit von der Luftmasse auf Kreta
Tesche, Mattias	Optische und mikrophysikalische Charakterisierung anthropogener Partikel in Südchina (Pearl River Delta) und Nordchina (Peking) anhand von Ramanlidar- und Sonnenphotometermessungen
Ziese, Markus	Untersuchung des hygroskopischen und dynamischen Wachstums organischer Aerosolpartikel am Leipzig Aerosol Cloud Interaction Simulator

University Leipzig Faculty of Chemistry and Mineralogy	
Müller, Conny	Aerosolkammeruntersuchungen und CE/ESI-MS Analyse partikulärer Produkte der Ozonolyse von Alkenen

Technical University Bergakademie Freiberg Interdisciplinary Ecological Center	
Lupa, Kristina	Schnelle Bestimmungen der korngößenabhängigen Deposition luftgetragener Umweltpartikel in der menschlichen Lunge
Weigert, Barbara	Lasergestützte Untersuchungen von Reaktionen des OH-Radikals in wässriger Lösung
Weller, Christian	Reaktivität des NO ₃ -Radikals gegenüber atmosphärenchemisch relevanten substituierten Phenolen in wässriger Lösung

University of Applied Sciences Jülich	
Pelzer, Johannes	Aufbau und Erprobung eines spektralen Online-Absorptionsphotometers

University of Applied Sciences of Zwickau	
Stopfkuchen, Katja	Untersuchung zu Verlusten an Aerosolpartikeln in langen rohrförmigen Probenahmensystemen

Master thesis 2007

University Leipzig Faculty of Physics and Earth Science	
Baars, Holger	Continuous monitoring of the planetary-boundary layer depth with LIDAR
Filaus, Elmar	Reibungsbehaftete Überströmung quasi-zweidimensionaler Hindernisse
Kaaden, Nicole	Hygroskopische Eigenschaften feiner und grober Aerosolpartikel über Nordwestafrika
Klose, Susan	Bestimmung von Emissionsfaktoren feiner und ultrafeiner Partikel unter Umweltbedingungen
Merkel, Maik	Emission, Transformation und Transport verkehrsemittierter Partikel in der kleinräumigen Umgebung einer Straßenschlucht
Niedermeier, Dennis	Aufbau und Inbetriebnahme einer mobilen Version des Leipzig Aerosol Clud Interaction Simulators und dessen Einsatz zur Untersuchung des hygroskopischen Wachstums und der Aktivierung von Seesalz-Partikeln erzeugt aus verschiedenen Meerwasserproben
Nordmann, Stefan	Messung von graphitischem Kohlenstoff in atmosphärischen Partikelproben unterschiedlicher Messorte und Aerosolreservoirs zur Charakterisierung lichtabsorbierender Partikel
Schladitz, Alexander	Optische Eigenschaften des feinen und mineralischen Aerosols über dem nordwest-afrikanischen Kontinent
Weigelt, Andreas	Modifikation von Aerosolpartikeln in der oberen Troposphäre durch Wolken
Weinhold, Kay	Einflüsse meteorologischer Parameter auf die Feinstaubbelastung in urbanen und ländlichen Regionen des Freistaates Sachsen

University Leipzig Faculty of Chemistry and Mineralogy	
Schaefer, Thomas	Kinetik von Reaktionen des NO_3 -Radikals mit polysubstituierten Phenolen in wässriger Lösung

Chair in Geoecology Interdisciplinary Ecological Center Technical University Bergakademie Freiberg	
Heinke, Katja	Größenverteilung der Gesamt- sowie nichtflüchtigen Bestandteile luftgetragener Partikel in der städtischen Atmosphäre von Augsburg

Freie Universität Berlin Department of Earth Sciences	
Reinfried, Franziska	Density currents in the Atlas Mountains leading to dust mobilization: A model sensitivity study

Martin Luther University Halle-Wittenberg Faculty for Natural Sciences Institute for Computer Science	
Schlegel, Martin	Implementation of multirate Runge-Kutta methods for air pollution models

Doctoral theses

Doctoral thesis 2006

University Leipzig Faculty of Physics and Earth Science	
Nowak, Andreas	Das feuchte Partikelgrößenspektrometer: Eine neue Messmethode zur Bestimmung von Partikelgrößenverteilungen ($< 1 \mu\text{m}$) und größen aufgelösten hygroskopischen Wachstumsfaktoren bei definierten Luftfeuchten
von Löwis of Menar, Sibylle	Measurements within the exhaust plume of a passenger car under real-atmospheric dilution and on-road driving conditions

University Leipzig Faculty of Chemistry and Mineralogy	
van Pinxteren, Dominik	Organische Säuren in troposphärischen Partikeln und Wolkenwasser: Feldmessungen und analytische Methodenentwicklung

Doctoral thesis 2007

University Leipzig Faculty of Physics and Earth Science	
Lehmann, Katrin	Experimental Investigations of the Influence of Turbulent Mixing on Cloud Microphysical Processes
Reichert, Manuela	Entwicklung und atmosphärische Anwendung eines optischen Partikelzählers für Tropopausenbedingungen

University Leipzig Faculty of Chemistry and Mineralogy	
Hoffmann, Dirk	Multiphasenchemie substituierter Phenole: Analytik und Prozessstudien
Parajuli, Kshama	Laser-based Kinetic Investigations of Halogen Radicals in Aqueous Solution

Habilitation

Habilitation 2007

University Leipzig Faculty of Physics and Earth Science	
Müller, Detlef	Characterization of Free-Tropospheric Particles With Multiwavelength Raman Lidar: Geometrical, Optical, and Microphysical Properties of Aerosol Pollution From Europe, North Africa, South Africa, and North America

Guest scientists

Guest scientists 2006

Name	Period of stay	Institution
A. Frey	06-01-16/30	Finnish Meteorological Institute Helsinki, Finland
N. Joungmin	06-01-28/ 06-07-30	Gwangyu Institute of Science and Technology, Korea
R. Soto Ayala	06-02-01/ 06-05-05	University of Mexico City, Mexico
I. Morozov	06-03-15/ 06-05-14	Russian Academy of Sciences, Moscow Institute of Chemical Physics, Russia
M. Komppula	06-04-01/ 06-12-31	Finnish Meteorological Institute Helsinki, Finland
E. Engström	06-04-03/ 06-07-28	Stockholm University, Sweden
Y. Cheng	06-04-06/ 06-06-26	Peking University, China
A. Malinka	06-05-08/ 06-07-31	National Academy of Science of Belarus, Stepanov Institute of Physics Minsk, Belarus
J. Barret	06-05-15/20	HMS Sultan, Nuclear Department, United Kingdom
B. Alaviippola	06-06-01/ 06-12-31	Finnish Meteorological Institute Helsinki, Finland
A. Nadeev	06-06-11/ 06-08-10	Russian Academy of Sciences, Institute for Atmospheric Optics, Tomsk, Russia
A. Simakov	06-06-11/ 06-08-10	Russian Academy of Sciences, Institute for Atmospheric Optics, Tomsk, Russia
A. Apituley	06-06-20/25	National Institute of Public Health and the Environment, Bilthoven, The Netherlands
Y. Dufornet	06-06-20/25	National Institute of Public Health and the Environment, Bilthoven, The Netherlands
E. Nilsson	06-07-01/ 06-09-30	Lund University, Division of Nuclear Physics, Lund, Sweden
P. Villani	06-09-01/ 06-11-30	Blaise Pascal University, Clermont Ferrand, France
E. Engström	06-09-04/ 06-11-30	Stockholm University, Sweden
St. Leinert	06-09-14/ 06-10-06	EPA Dublin, Ireland
E. Szeremeta	06-10-01/ 06-12-03	Polish Academy of Sciences, Institute of Physical Chemistry, Warsaw, Poland
Y. Cheng	06-10-01/ 06-12-31	Peking University, China

Appendices: Guest scientists

Name	Period of stay	Institution
P. Tenza	06-10-01/ 06-12-31	University of Alicante, Spain
E. Skonlhkarth	06-11-05/17	University of Crete, Heraklion, Greece
N. Kalivitis	06-11-13/24	University of Crete, Heraklion, Greece
A. Kolgotin	06-12-25/31	Moscow State Technical University named by Bauman, Department of Applied Physics, Moscow, Russia

Guest scientists 2007

Name	Period of stay	Institution
A. Kolgotin	07-01-01/25	Moscow State Technical University named by Bauman, Department of Applied Physics, Russia
P. Tenza	07-01-01/ 07-06-30	University of Alicante, Spain
	07-10-01/ 07-12-31	
A. Hamed	07-01-08/ 07-02-08	University of Kuopio, Department of Physics, Finland
M. Sipilä	07-01-21/26	University of Helsinki, Finland
R. A. Shaw	07-02-02/09	Michigan Technological University, USA
E. Giannakaki	07-02-03/ 07-12-17	Aristotle University of Thessaloniki, Laboratory of Atmospherics, Greece
E. Tetushkina	07-02-08/ 07-08-08	Immanuel Kant State University of Russia, Russia
O. Marx	07-02-09/16	Max Planck Institute for Biogeochemistry Jena, Germany
G. Song	07-02-26/ 07-03-25	Peking University, China
Y. Dingli	07-02-26/ 07-03-25	Peking University, China
A. Panov	07-03-01/31	IFOR-RAS Krasnojarsk, Russia
L. Deguillaume	07-03-01/ 07-08-31	Versailles Saint-Quentin-en-Yvelines University, Bâtiment d'Alembert, Versailles, France
K. Teinilä	07-03-07/11	Finnish Meteorological Institute, Department of Air Quality Research, Helsinki, Finland
D. Covert	07-03-10/30	University of Washington, Department of Atmospheric Sciences, Washington, USA
W. Ya-Qiang	07-03-10/24	Chinese Academy of Meteorological Sciences, Centre for Atmosphere Watch and Services, Beijing, China
P. Sheridan	07-03-10/23	U.S. Department of Commerce, Boulder, USA
G. Sachin	07-03-11/22	Max Planck Institute for Chemistry Mainz, Germany

Appendices: Guest scientists and visits of IfT scientists

Name	Period of stay	Institution
A. Marinoni	07-03-11/22	ISAC-CNR Institute for atmospheric and climate sciences, Bologna, Italy
R. Garland	07-03-11/22	Max Planck Institute for Chemistry Mainz, Germany
A. Virkkula	07-03-17/23	Finnish Meteorological Institute, Air Quality Research Helsinki, Finland
S. Goel	07-05-08/ 07-07-25	Indian Institute of Technology Kanpur, Department of Civil Engineering, India
J.-Y. Sun	07-05-12/19	Chinese Academy of Meteorological Science, Beijing, China
J. L. Jin	07-05-12/19	Chinese Academy of Meteorological Science, Beijing, China
T. Mendes Pauliquevis	07-06-16/24	Instituto Nacional de Pesquisas de Amazonia, Manaus, Brazil
J. Pienaar	07-06-20/26	North-West University, School of Chemistry and Biochemistry, Potchefstroom, Republic of South Africa
K. Kohfeld	07-07-03/09	Simon Fraser University, Vancouver, Canada
P. Ivanov	07-07-24/ 07-08-09	Mladost, Sofia, Bulgaria
R. A. Shaw	07-08-01/ 07-12-31	Michigan Technological University, USA
P. G. van Zyl	07-09-23/ 07-10-13	North-West University, School of Chemistry and Biochemistry, Potchefstroom, Republic of South Africa
K. Ferguson	07-09-23/ 07-10-13	University of the Witwatersrand, Johannesburg, Republic of South Afrika
M. Petters	07-09-28/ 07-10-22	Colorado State University, Department of Atmospheric Science, USA
D. Covert	07-10-08/26	University of Washington, Department of Atmospheric Sciences, USA
M. Laborde	07-10-14/19	Eco-Tech Australia Pty Ltd, Australia

Visits of IfT scientists at other research institutions

Year	Name	Period of stay	Institution	Country
2006	A. Maßling	06-01-01/ 06-01-19	Lund University, Institute of Technology, Department of Physics	Sweden
	C. Engler	06-01-01/ 06-06-30	Finnish Meteorological Institute, Helsinki	Finland
	W. Birmili	06-01-01/ 06-06-30	University of Helsinki, Department of Physical Sciences	Finland
	A. Maßling	06-02-20/ 06-03-31	Lund University, Institute of Technology, Department of Physics	Sweden

Appendices: Visits of IfT scientists

Year	Name	Period of stay	Institution	Country
2006	J. Heintzenberg	06-02-28/ 06-03-12	Meteorological Research Institute Tsukuba Ibaraki	Japan
	D. Müller	06-03-18/ 06-04-05	Tokyo University of Marine Science and Technology	Japan
	B. Wehner	06-04-18/ 06-05-12	National Center for Atmospheric Research, Boulder	USA
	O. Hellmuth	06-04-19/ 06-04-25	Joint Institute for Nuclear Research, Dubna	Russia
	St. Bauer	06-05-02/ 06-07-26	National Center for Atmospheric Research, Boulder	USA
	L. Poulain	06-05-21/ 06-05-28	Aerodyne Research, Inc., Boston	USA
	S. Klose	06-06-12/ 06-06-24	National Environmental Research Institute, Roskilde	Denmark
	F. Stratmann	06-08-08/ 06-12-22	University of Helsinki, Division of Atmospheric Sciences	Finland
2007	C. Weller	07-01-08/ 07-02-02	Université Joseph Fourier de Grenoble	France
	H. Siebert	07-01-25/ 07-01-26	University of Helsinki, Department of Physical Sciences	Finland
	C. Weller	07-02-03/ 07-02-10	Observatoire de Haute Provence	France
	J. Heintzenberg	07-02-03/ 07-02-22	Stockholm University, Department of Meteorology	Sweden
	T. Müller	07-02-26/ 07-03-02	Stockholm University, Department of Meteorology	Sweden
	J. Heintzenberg	07-02-26/ 07-03-10	Research Institute for Humanity and Nature, Kyoto	Japan
	O. Hellmuth	07-04-17/ 07-04-25	Joint Institute for Nuclear Research, Dubna	Russia
	D. Müller	07-09-03/ 07-09-15	Aristotle University of Thessaloniki, Laboratory of Atmospherics	Greece
	J. Heintzenberg	07-09-22/ 07-09-30	Peking University	China
	O. Hellmuth	07-10-14/ 07-10-19	Institute of Thermal Physics, Ekaterinburg	Russia

Meetings and chairmanships

Meetings and chairmanships 2006

Meeting	Place/ date	Number of participants	National/ international
H-TDMA Workshop	Leipzig 06-02-06/10	15	international
28 th NATO/CCMS International Technical Meeting on Air Pollution Modeling and its Application	Leipzig 06-05-15/19	120	international
UFIPOLNET-Meeting	Leipzig 06-05-16/17	18	international
Treffen des Arbeitskreises Atmosphärenchemie (AKAC) der GdCH	Frankfurt/M. 06-07-19	15	national
Treffen des Arbeitskreises Atmosphärenchemie (AKAC) der GdCH	Kloster Johannisberg 06-10-24	20	national
EUSAAR Workshop	Leipzig 06-11-12/21	20	international

Meetings and chairmanships 2007

Meeting	Place/ date	Number of participants	National/ international
Joint French-German Projects on Innovative Basic Research in Atmospheric Chemistry, Roundtable	Bonn 07-01-16/17	46	international
1. Arbeitsgespräch Messung von Ultrafeinstaub in der Atmosphäre	Leipzig 07-03-05/06	20	national
Nephelometer and Absorption Photometer Intercomparison EUSAAR Workshop	Leipzig 07-03-12/22	36	international
3 rd UFIPOLNET Workshop	Leipzig 07-05-31	15	international
Treffen des Arbeitskreises Atmosphärenchemie (AKAC) der GdCH	Frankfurt/M. 07-07-25	10	national
EUSAAR Workshop	Leipzig 07-10-15/19	59	international
FILGAS-Meeting	Leipzig 07-11-20	20	national
Air monitoring instrumentation, Workshop - Symposium	Schagen, NL 07-12-10/12	50	international

International and national field campaigns

International field campaigns 2006

Field Campaign	Project partner
EARLINET (permanent experiment) <i>European Aerosol Research Lidar Network</i>	EARLINET-Consortium
Melpitz EMEP <i>Co-operative Program for Monitoring and Evaluation of the Long-range Transmission of Air pollutants in Europe</i> (intensive summer field campaign, June 2006)	Switzerland Czech Republic Denmark Spain Ireland Italy The Netherlands Norway United Kingdom
CALIPSO Validation <i>Cloud Aerosol Lidar and Infrared Pathfinder Satellite Observations</i> (since June 2006)	NASA EARLINET-Consortium
CAREBEIJING Peking, China	China Hong Kong Taiwan Germany Japan South Korea
CLACE 5 <i>Cloud and Aerosol Characterization Experiment in the free Troposphere</i> Jungfrauoch, Switzerland	Switzerland
Pearl River Delta China	China Hong Kong Taiwan Germany Japan South Korea
SAMUM-1 <i>Saharan Mineral Dust Experiment</i>	Germany USA Morocco
ZOTTO <i>Zotino Tall Tower Facility</i>	ZOTTO-Consortium

International field campaigns 2007

Field Campaign	Project partner
ACCENT-SOA <i>Atmospheric Composition Change - A European Network, Secondary Organic Aerosol</i>	USA

Field Campaign	Project partner
CLACE 6 <i>Cloud and Aerosol Characterization Experiment in the free Troposphere</i> Jungfrauoch, Switzerland	Germany Switzerland United Kingdom
DFG-COPS <i>Convective and Orographically-induced Precipitation Study</i>	Germany France Italy USA United Kingdom The Netherlands Switzerland
Melpitz EMEP <i>Co-operative Program for Monitoring and Evaluation of the Long-range Transmission of Air pollutants in Europe</i> (intensive winter field campaign, Jan. - Feb. 2007)	Switzerland Czech Republic Denmark Spain Ireland Italy The Netherlands Norway United Kingdom
SOPRAN (BMBF) <i>Surface Ocean Processes in the Anthropocene</i> Cape Verde (May - June 2007)	USA United Kingdom
ZOTTO <i>Zotino Tall Tower Facility</i>	ZOTTO-Consortium

National field campaigns 2006

Field Campaign	Project partner
LfUG III (summer/winter field campaign) IfT: Physics and Chemistry Depts.	LfUG (Landesamt für Umwelt und Geologie) Dresden
Melpitz (April - June 2006) IfT: Chemistry Dept.	GAA (Gewerbeaufsichtsamt) Hildesheim
Bösel (July - Oct. 2006) IfT: Chemistry Dept.	GAA (Gewerbeaufsichtsamt) Hildesheim

National field campaigns 2007

Field Campaign	Project partner
ACTOS Campaign, Kiel 2007 <i>Airborne Cloud Turbulence Observation System</i> IfT: Physics Dept.	Johannes Gutenberg University, Mainz Rotorflug GmbH, Friedrichsdorf enviscope GmbH, Frankfurt/Main
LfUG III Remote transport of particulate matter into the conurbation of Dresden IfT: Physics Dept.	LfUG (Landesamt für Umwelt und Geologie) Dresden
LfUG IV (winter 2007) Influence of domestic heating appliances on PM concentration in Seiffen, Saxony IfT: Physics and Chemistry Depts.	LfUG (Landesamt für Umwelt und Geologie) Dresden
NH₃ measurements (Nov. 2006 - Jan. 2007) IfT: Chemistry Dept.	GAA (Gewerbeaufsichtsamt) Hildesheim

Reviews

Reviews	Number	
	2006	2007
Journals	175	132
Projects	40	41
Others	30	5
Total	245	178

Memberships

Name	Board	Year
Althausen, D.	Lidar Expert Network "Laser Remote Sensing of Water Vapor and Wind"	2006
Ansmann, A.	NASDA-ESA EarthCARE Joint Mission Advisory Group	2006/2007
Berndt, T.	Gesellschaft Deutscher Chemiker	2006/2007
Böge, O.	Gesellschaft Deutscher Chemiker (AK Atmosphärenchemie)	2006/2007
Heintzenberg, J.	ESF Scientific User Committee for EUFAR (European Fleet for Atmospheric Research)	2006
	DFG-Fachkollegium „Ozeanographie und Atmosphärenforschung“	2006/2007
	Ordentliches Mitglied der Sächsischen Akademie der Wissenschaften	
	Außerordentliches Mitglied der Berlin-Brandenburgischen Akademie der Wissenschaften	
	Wissenschaftlicher Beirat des Deutschen Wetterdienstes	
	Sprecher der Sektion E der Wissenschaftsgemeinschaft Gottfried Wilhelm Leibniz	
	Editorial Board "Tellus B"	
	Editorial Board "Atmospheric Research"	
	Scientific Advisory Board of the Research Institute for Humanity and Nature, Kyoto, Japan	
	Permanent Scientific Advisory Committee of the Centro de Geofisica de Evora, Portugal	
	Advisory Board of the Indian Institute of Technology (IIT) in Porkee, India for the Max Planck Partner Group IIT	
Herrmann, H.	Vorsitz des Arbeitskreises „Atmosphärenchemie“ in der GDCh-Fachgruppe „Umweltchemie und Ökotoxikologie (AKAC)“	2006/2007
	DECHEMA/GDCh/Bunsengesellschaft Gemeinschaftsausschuss „Chemie der Atmosphäre“	
	DECHEMA/GDCh/KRdL Expertengruppe Feinstaub (Mitglied der Lenkungsgruppe)	
	Mitglied des wissenschaftlichen Beirats der „Kommission zur Reinhaltung der Luft“ (KRdL) des Vereins Deutscher Ingenieure (VDI)	
	Fellow of the International Union of Pure and Applied Chemistry	

Appendices: Memberships

Name	Board	Year
Mertes, S.	Assoziiertes Mitglied des DFG-Sonderforschungsbereichs 641 „Die troposphärische Eisphase“	2006/2007
Renner, E.	DECHEMA/GVC-Arbeitsausschuss „Schadstoffausbreitung“	2006/2007
	Scientific Committee of the NATO/CCMS ITM conference series, German member	
Stratmann, F.	Mitglied des Komitees der „17th International Conference on Nucleation & Atmospheric Aerosols“, 13.08.-17.08.2007, Galway, Irland	2006/2007
Wandinger, U.	Topical Editor “Applied Optics”	2006/2007
	Mitglied des Verwaltungsausschusses von COST-720, European Cooperation in the field of Scientific and Technical Research 720: Integrated Ground-Based Remote Sensing Stations for Atmospheric Profiling	2006
	Member of the ESA-JAXA EarthCARE Joint Mission Advisory Group	2007
	Member of the EARLINET Council	
Wehner, B.	Mitglied des Vorstandes des Zweigvereins Leipzig der DFG	2007
Wendisch, M.	Koordinator (Aerosol Mikrophysik) im EUFAR (European Fleet for Atmospheric Research) Projekt	2006/2007
Wiedensohler, A.	„Scientific Advisory Group“ für Aerosole innerhalb des „Global Watch“-Programms der World Meteorological Organization	2006/2007
	Editorial Board Member “Atmosphere, Water, Air and Soil Pollution”	
	VDI-Ausschuss „Partikelzählung in der Atmosphäre“	
	Sprecher der Aerosol-Arbeitsgruppen innerhalb der EAA (European Aerosol Assembly)	
	„Scientific Program Committee“ der Europäischen Aerosolkonferenz	
	Board member of the GAeF (Association for Aerosol Research)	
	“Technical Program Committee” IAC (International Aerosol Conference)	
	Member of the Scientific Steering Committee (SSC) and Work Package (WP) Leader of the EU project ACCENT	
	Member of the SSC for EU project EUSAAR	
	Gastprofessur „Peking University“, Department of Environmental Science, China	

Name	Board	Year
Wiedensohler, A.	Leiter Weltkalibrierzentrum für Aerosolphysik im Rahmen von WMO-GAW	2006/2007
	Editorial Board Member "Atmospheric Chemistry and Physics"	
	Sprecher der Arbeitsgruppe „Atmosphärische Aerosole“ innerhalb der EAA (European Aerosol Assembly)	
Wolke, R.	Gesellschaft für Angewandte Mathematik und Mechanik (GAMM) Dresden	2006/2007
	European Geoscience Union (EGU)	

Cooperations

International Cooperations

Research Project	Cooperation Partners
HIAPER <i>High-performance Instrumented Airborne Platform for Environmental Research</i> Atmospheric Radiation Package (HARP) for spectrally resolved actinic flux and irradiance measurement instrumentation for HIAPER	National Science Foundation (NSF), USA
LACIS <i>Leipzig Aerosol Cloud Simulator</i>	Denmark, Finland, USA, Germany
INSPECTRO <i>Influence of Clouds on the Spectral Actinic Flux in the Lower Troposphere</i>	United Kingdom, Norway, Greece, Austria, Germany
CLACE <i>Cloud and Aerosol Characterization Experiment in the free Troposphere</i>	Switzerland, United Kingdom, Finland, Denmark, Germany
ACTOS <i>Airborne Cloud Turbulence Observation System/ Interaction between turbulent mixing processes and cloud micro-physical characteristics in stratiform boundary layer clouds</i>	Michigan Technological University, Department of Physics, Houghton, USA
AERONET <i>Aerosol Robotic Network</i>	National Aeronautics and Space Administration (NASA), USA
Polly XT (Compact Lidar Development)	Finnish Meteorological Institute, Finland
NASA-CALIPSO <i>Cloud-Aerosol Lidar and Infrared Pathfinder Satellite Observations</i> (Lidar ground truth, EARLINET)	National Aeronautics and Space Administration (NASA), USA
ESA-ADM <i>European Space Agency, Atmospheric Dynamics Mission</i>	European Space Research and Technology Centre (ESTEC), The Netherlands

Appendices: Cooperations

Research Project	Cooperation Partners
COST-720 (a. o. Measurement Campaign LAUNCH-2005); Integrated Ground-Based Remote Sensing Stations for Atmospheric Profiling	The Netherlands, Italy, United Kingdom, France, Portugal, Spain, Switzerland, Austria, Greece, Poland, Germany, Ukraine, China/Macao
Multiple scattering in Raman Lidar signals	National Academy of Science of Belarus, Institute of Physics, Minsk, Republic of Belarus
Anthropogenic influence of Asian aerosols on tropical cirrus clouds	National Center for Atmospheric Research, (NCAR), Boulder, USA
AIE <i>Atmospheric Environmental Impacts of Aerosol in East Asia</i>	30 project partners
ZOTTO <i>Zotino Tall Tower Facility</i> (sources and budgets of tropospheric aerosols over Siberia)	MPI for Biological Geochemistry, Jena, Germany MPI for Chemistry, Mainz, Germany IFOR-RASS, Krasnojarsk, Russia
Pearl River Delta (Integrated Measurement for Pollution Complexes in the Pearl River Delta, China)	Peking University, China Guangdong Provincial Environmental Monitoring Center, China Chinese Research Academy of Environmental Science, China Zhongshan University, China
Long range transport analysis analysis of long-distance transport for atmospheric aerosols in the Alps region	Umweltbundesamt, Dessau, Germany NILU, Kjeller, Norway
CELTIC <i>Chemical Emissions, Losses, Transformations and Interactions in Canopies</i>	NCAR Atmospheric Chemistry Division, Boulder, USA University of Helsinki, Finland
Carebeijing (Research on transfer and conversion of the pollutants in Beijing and the adjacent area on the air quality in Beijing)	Peking University, Chinese Academy of Sciences, Institute of Atmospheric Physics Beijing University of Technology, China Chinese Research Academy of Environmental Sciences
ARIADNE <i>Aerosol Physical and Chemical Identification on Crete</i>	University of Crete, Heraklion, Greece
Twinning Partnership with GAW-Stations	Korean Meteorological Service Global Atmosphere Watch (GAW), Anmyeon, South Korea Malaysian Meteorological Service, Danum Valley, Malaysia Bulgarian Academy of Sciences, BEO-Moussala, Bulgaria
INTROP Measurement of organic Acids in the natural laboratory of Mexico City	Laboratoire de Combustion et Systèmes Réactifs, Centre National de Recherche scientifique, Orléans, France
Secondary new particle formation in Europe	Universities of Helsinki and Kuopio, Finland
Particulate emissions of a modern waste incinerator	Landesagentur für Umwelt, Bozen, Italy
BodEx <i>Quantification of near source dust emission and dust properties in the Bodele Depression</i>	Oxford University, Great Britain University College London, Great Britain NASA Goddard Space Flight Center, USA

Research Project	Cooperation Partners
Evaluation of dust aerosol parameterization and climate feedback in a global climate model	NASA Goddard Institute for Space Studies, USA
Measurement methods and techniques for the quantification of gaseous carbonyl compounds	Germany, United Kingdom, Switzerland, Norway, Austria, USA, Spain
Cooperation partners involved in research projects at the IfT Research Station Melpitz	Germany, Sweden, Italy, Bulgaria, Belgium, United Kingdom, Czech Republic, Finland, France, Greece, Ireland, Lithuania, The Netherlands, Norway, Spain, Switzerland, Austria, Denmark, Hungary, Latvia, Poland, Portugal
Development and evaluation of methods for the quantification of trace compounds produced by biomass burning	Academy of Science (Academia Sinica), Taipei, Taiwan
Laboratory investigations in the field of liquid phase chemistry	National Institute of Chemistry Ljubljana, Slovenia University of Lyon, France
Relations between directly emitted wood burning emissions and ambient particle concentration in the Melbourne region	Commonwealth Scientific and Industrial Research Organization (CSIRO), Melbourne, Australia
Isoprene multiphase oxidation studies	IPC Warsaw, Poland
Construction of an international measuring station on the Isle of Sao Vicente (Cape Verde Islands)	Germany, United Kingdom, Cape Verde
DFG-COPS <i>Convective and Orographically-induced Precipitation Study</i>	Germany, France, The Netherlands, United Kingdom, Italy, Switzerland, USA
Virtual Institute Role of aerosol particles as condensation and ice nuclei in tropospheric clouds (Aerosol-Cloud Interactions ACI)	Germany, Switzerland, United Kingdom, Israel

European Union - Cooperations

Research Project	Cooperation Partners
EUFAR <i>European Fleet for Airborne Research in the Field of Environment and Geo-Science</i>	Germany, United Kingdom, France, Ireland, Sweden
CARIBIC <i>Civil Aircraft for Remote Sensing and In situ measurement in Tropospheric and Lower Stratosphere based on the Instrumentation Container Concept</i>	Germany, United Kingdom, France, The Netherlands, Switzerland, Sweden
ACCENT <i>Atmospheric Composition Change: A European Network</i>	United Kingdom, The Netherlands, Finland, Belgium, Switzerland, Austria, Norway, France, Greece, Spain, Bulgaria, Denmark, Hungary, Ireland, Latvia, Lithuania, Poland, Portugal, Germany, Sweden, Italy

Appendices: Cooperations

Research Project	Cooperation Partners
PURAT <i>Particles in the Urban Atmosphere</i> Behavior of fine and ultrafine particles, their spatial variation and relationships with local policy action	Germany, Denmark, Sweden, United Kingdom
EUSAAR <i>European Supersites for Atmospheric Aerosol Research</i>	Germany, France, Switzerland, Italy, The Netherlands, Norway, Finland, Ireland, Greece, Czech Republic, Bulgaria, United Kingdom, Lithuania, Sweden, Spain
UFIPOLNET <i>Ultrafine particle size distribution in air Pollution monitoring Networks</i>	Germany, Sweden, Czech Republic
EARLINET <i>European Aerosol Research Network</i>	Germany, Italy, Greece, Switzerland, Sweden, Spain, Portugal, Poland, Belarus, United Kingdom, France, Bulgaria
EARLINET-ASOS: European Aerosol Research Network-ASOS	Italy, Germany, Spain, Greece, Switzerland, Sweden, Poland, Belarus, France, Bulgaria, Romania, Norway, The Netherlands
EUROCHAMP <i>Integration of European Simulation Chambers for Investigating Atmospheric Processes</i>	Germany, Italy, Spain, United Kingdom, Ireland, France, Switzerland, Sweden
IAGOS <i>Integration of routine Aircraft measurements into a Global Observing System</i>	Germany, France, United Kingdom
EUCAARI <i>European Integrated Project on Aerosol, Cloud, Climate and Air Quality Interactions</i>	Germany, Finland, France, Switzerland, The Netherlands, United Kingdom, Sweden, Hungary, Norway, Ireland, Greece, Denmark, India, Brazil, Czech Republic, South Africa, Estonia, Austria, China, Poland, Portugal
Comparison of LM and RAMS modeled surface winds to simulate mineral dust emissions	France
Implementation of dust aerosol parameterization in a global transport model	Italy
Chemistry transport model intercomparison	The Netherlands, France, Germany
TNO/UBA Strategies for the reduction of fine particles	The Netherlands, Germany
AEROTOOLS <i>Tools for the Physical and Chemical Characterization of the Environmental Aerosol</i>	France, Greece, Finland, Sweden, Spain, Italy, Czech Republic

National Cooperations

Research Project	Cooperation Partners
DWD-Raman-Lidar	Kayser-Threde GmbH, München DWD, Offenbach Meteorologisches Observatorium, Lindenberg inqbus it-consulting, Leipzig Loritus GmbH, München

Research Project	Cooperation Partners
DFG-Wasserdampf-Dial	Universität Hohenheim Universität Potsdam DLR Oberpfaffenhofen Kayser-Threde GmbH, München Deckwerth Fahrzeugbau und Entwicklungswerk, Wurzen
Pro Inno II (Entwicklung des modular zu gestaltenden messtechnischen Teils einer mobilen Dienstleistungseinheit)	Fahrzeugbau und Entwicklungswerk Deckwerth, Wurzen
TROPEIS Sammlung und physiko-chemische Charakterisierung troposphärischer Eiskeime in Zusammenarbeit mit dem DFG- Sonderforschungsbereich 641	MPI für Chemie, Mainz Johannes Gutenberg-Universität, Mainz Johann Wolfgang Goethe-Universität, Frankfurt/M. Technische Universität, Darmstadt
Modellierung mesoskaliger Chemie-Transport- Prozesse	John von Neumann-Institut für Computing (NIC), Jülich
TRACES (WGL-PAKT) <i>Ocean-Atmosphere-Land Impacts on Tropical Atlantic Ecosystems</i> Subproject: Transport and transformation processes in the atmosphere of the tropical Atlantic	Leibniz-Institut für Meereswissenschaften IFM- GEOMAR, Kiel Institut für Ostseeforschung Warnemünde, Rostock Potsdam-Institut für Klimafolgenforschung (PIK)
FAT Größenaufgelöste physikalische und chemische Bestimmung von elementarem und organischem Kohlenstoff in Nanopartikeln	Helmholtz-Zentrum für Umweltforschung UFZ Leipzig
GC/MS Bestimmung polarer mittelflüchtiger organischer Substanzen aus größenaufgelöst gesammelten Aerosolpartikeln mittels Thermodesorption und Methylierung	Universität Leipzig, Prof. Engewald
SOA <i>Sekundäres organisches Aerosol</i> Temperaturabhängigkeit der Bildung von sekundärem organischem Aerosol	Forschungszentrum Karlsruhe
Kooperation zur Halogenchemie	Universität Heidelberg, Institut für Umweltphysik
Short-term Health Effects of Fine and Ultra-fine Particle Pollution in Beijing, China (DFG)	GSF Nationales Forschungszentrum, Institut für Epidemiologie Helmholtz-Zentrum für Umweltforschung UFZ Leipzig, Abteilung Expositionsforschung und Epidemiologie
Strahlungseigenschaften von stratiformen Wolken	Johannes Gutenberg-Universität, Mainz
DFG-SPP HALO <i>High Altitude and Long Range Research Aircraft Counterflow Virtual Impactor (CVI) for the collection of hydrometeors and identification of CCN and IN onboard HALO</i>	16 deutsche Projektpartner

Appendices: Cooperations

Research Project	Cooperation Partners
Cross cutting activities of DFG-Priority Program SPP-1294 HALO	16 deutsche Projektpartner
Quality assurance and evaluation of particle size distribution measurements from the UBA network	Umweltbundesamt, Dessau
Influence of domestic wood stoves on particulate concentrations in rural areas of Saxony	Sächsischen Landesamt für Umwelt und Geologie, Dresden
Development of a mobile aerosol standard	Sächsischen Landesamt für Umwelt und Geologie, Dresden
Non-volatile components of particulate air pollution in Augsburg, Germany	TU Bergakademie Freiberg GSF Neuherberg
DFG-Forschergruppe SAMUM SAharan Mineral dUst ExperiMent	9 deutsche Projektpartner
DFG-SPP-Niederschlagsvorhersage Spektrale Mikrophysik in Vorhersagemodellen unter besonderer Berücksichtigung der Tropfennukleation	21 deutsche Projektpartner
Paralleles Kopplungs-Framework und moderne Zeitintegrationsverfahren für detaillierte Wolkenprozesse in atmosphärischen Modellen	TU Dresden Universität Halle/S.
SOPRAN (BMBF) <i>Surface Ocean Processes in the Anthropocene</i>	8 deutsche Projektpartner
DFG-SPP MetStroem Gebietszerlegungsverfahren für positiv definite Helmholtz-Gleichungen	4 deutsche Projektpartner
Ammonisax <i>Einfluss erhöhter NH₃-Konzentration auf die Partikelmassebildung PM₁₀ - Vergleich von NH₃-Messverfahren an drei Standorten mit unterschiedlichen Spurengaskonzentrationen in Niedersachsen und Sachsen</i>	Staatliches Gewerbeaufsichtsamt Hildesheim
Einfluss des Ferneintrages auf die Feinstaubbelastung im Ballungsraum	Sächsisches Landesamt für Umwelt und Geologie, Dresden
Pflanzenkammerexperimente (Jülich)	Institut für Chemie und Dynamik der Geosphäre, Forschungszentrum Jülich
FILGAS (WGL-PAKT) (Oberflächenfilme und Gasaustausch)	Leibniz-Institut für Ostseeforschung an der Universität Rostock (IOW), Warnemünde Institut für physikalische und theoretische Chemie an der Universität Rostock (URO) Leibniz-Institut für Meereswissenschaften an der Universität Kiel (IFM-GEOMAR)
Feinstaubmessung; Charakterisierung des Aerosols im Messnetz des Umweltbundesamtes	Umweltbundesamt Dessau
WGL-Pakt: Hochauflösende Modellierung von Wolken und Schwerewellen: Skalenanalyse, Numerik, Validierung	Leibniz-Institut für Atmosphärenphysik e.V. an der Universität Rostock (IAP), Kühlungsborn Potsdam-Institut für Klimafolgenforschung (PIK)

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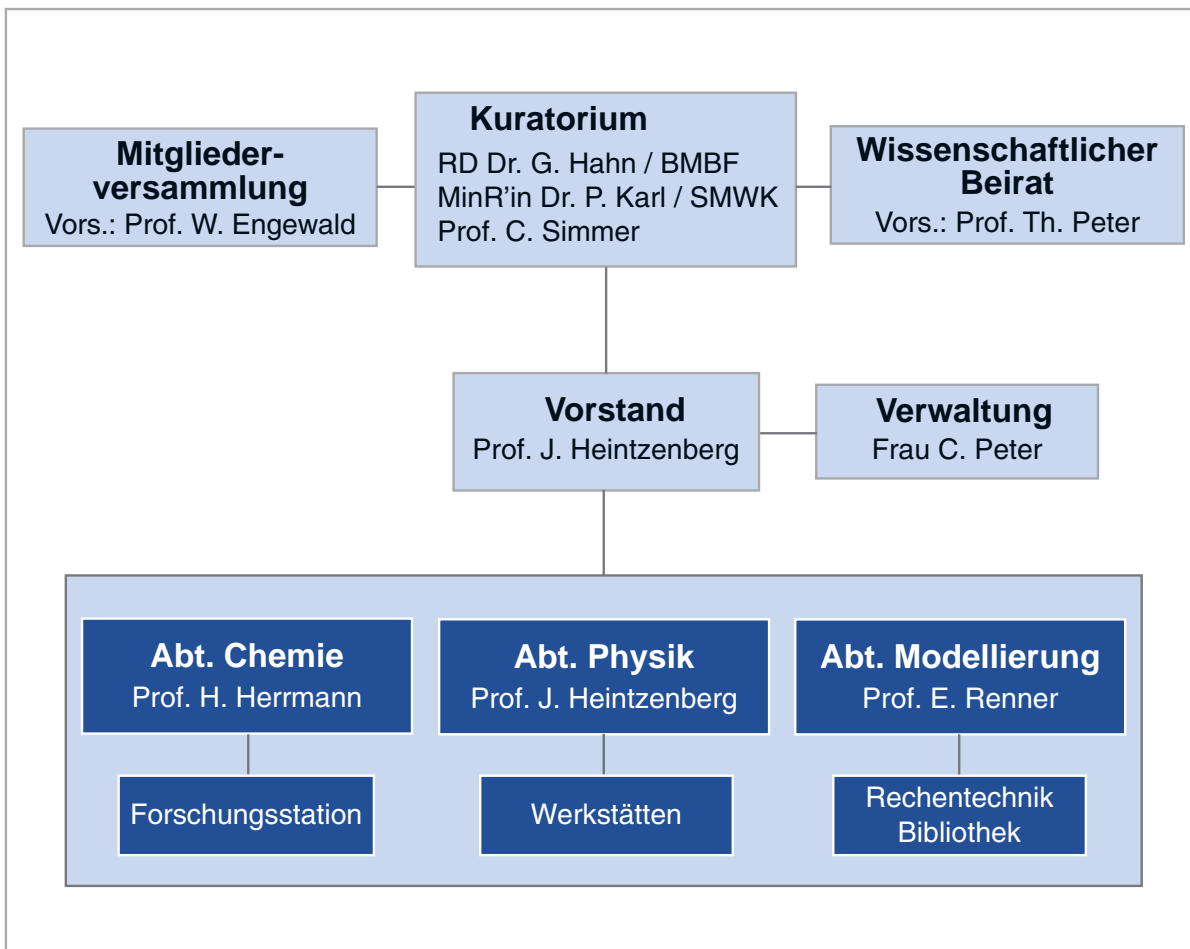
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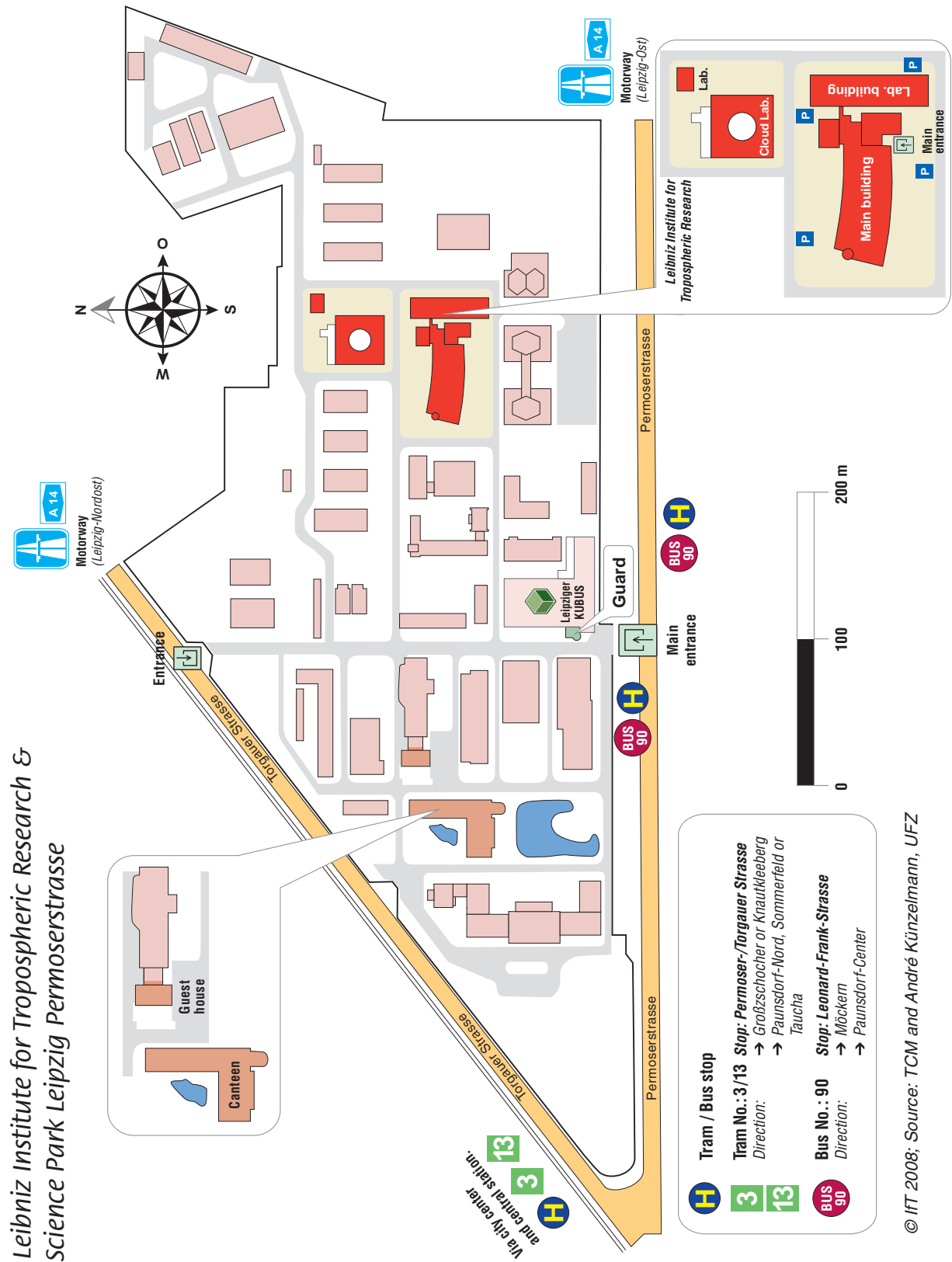
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Research area Permoserstrasse



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