



BACCHUS Final Meeting

24-26 April 2018

ETH Zurich, Switzerland

1. Agenda

Overview table

Time	Tuesday, 24 April 2018		Wednesday, 25 April 2018	Thursday, 26 April 2018	Time
09:00			Annica Ekman (solicited)	WP2 presentations	09:00
09:15			Formation and persistence of mixed-phase clouds in the summer- and wintertime Arctic		09:15
09:30			WP4 presentations		09:30
09:45			Coffee break		09:45
10:00			WP4 presentations	WP1 presentations	10:00
10:15				Coffee break	10:15
10:30					10:30
10:45			WP4 presentations	WP1 presentations	10:45
11:00					11:00
11:15					11:15
11:30					11:30
11:45	Registration (Alumni Pavilion)	Lunch (on your own)	Lunch (on your own)/ SC Meeting	General discussion	11:45
12:00					Final remarks
12:15				End of Meeting (~12:30)	12:15
12:30					12:30
12:45					12:45
13:00	Welcome (Alumni Pavilion)				13:00
13:15	Highlights WP 1-7		Peter Knippertz (solicited)		13:15
13:30	WP1 (A. Ansmann)		The DACCIWA Project: Dynamics-Aerosol-Chemistry-Cloud Interactions in West Africa		13:30
13:45	WP2 (M. Kanakidou)		WP1 presentations		13:45
14:00	WP3 (P. Stier)				14:00
14:15	WP4 (R. Makkonen)				14:15
14:30	WP5-7 (M. Burkert)				14:30
14:45	- Transfer to CHN building -		Briefing for Workshops (& Transfer to CHN)		14:45
15:00			Coffee break & group photo (CHN green floor)		15:00
15:15					15:15
15:30					15:30
15:45	Poster Session with Coffee break (CHN green floor)		Workshops for D5.9 (Community Assessment) (CHN G46/D26.2/L17.1/green floor)		15:45
16:00					16:00
16:15					16:15
16:30					16:30
16:45					16:45
17:00			Plenary for D5.9 (CAB G1.1)		17:00
17:15					17:15
17:30	WP3 presentations (CHN C14)				17:30
17:45					17:45
18:00			Time for meetings etc.	Joint SAB-SC Meeting (HG D22)	18:00
18:15					18:15
18:30	General Assembly (CHN C14)				18:30
18:45					18:45
19:00			BACCHUS meeting dinner (19:00)		19:00

Details

Tuesday, 24. April 2018

11:00-13:00	Registration (Alumni Pavillon)
until 13:00	Lunch on your own
13:00	Welcome
13:15-14:45	Highlights of WP 1-7
13:15-13:45	WP1 (A. Ansmann)
13:45-14:00	WP2 (M. Kanakidou)
14:00-14:15	WP3 (P. Stier)
14:15-14:30	WP4 (R. Makkonen)
14:30-14:45	WP5-7 (M. Burkert)
	<i>-Transfer to CHN building, 5 min walk -</i>
15:00-17:00	Poster Session with Coffee break (CHN green floor)
17:00-18:30	WP3 presentations (CHN C14)
17:00-17:15	Stevens, Robin (ULEEDS, remote) A Model Intercomparison of CCN-Limited Tenuous Clouds in the High Arctic
17:15-17:30	Vergara-Temprado, Jesús (ULEEDS) Global simulation of ice-nucleating particles and implications for cloud radiative effects
17:30-17:45	Heikenfeld, Max (UOXF) The propagation of aerosol perturbations in convective cloud microphysics
17:45-18:00	Eirund, Gesa (ETHZ) Sensitivity of Arctic low-lying mixed-phase clouds to surface forcing and aerosol perturbations
18:00-18:15	Connolly, Paul (UMAN) A novel model closure study of CCN in a case study over Cyprus
18:15-18:30	Labbouz, Laurent (UOXF) Aerosol effect in ECHAM-HAM simulations with two different convective parameterisations
18:30-19:00	General Assembly (CHN C 14)
ca.18:45/19:00	WP3 workshop on D3.5

Wednesday, 25. April 2018

09:00-09:45	Annica Ekman (Stockholm University, solicited) Formation and persistence of mixed-phase clouds in the summer- and wintertime Arctic
09:45-10:15	WP4 presentations
09:45-10:00	Fiedler, Stephanie (MPI-M) How does the anthropogenic aerosol pattern affect the global mean effective radiative forcing?
10:00-10:15	Neubauer, David (ETHZ) MPI-ESM1.2-HAM: Setup, tuning and evaluation for BACCHUS WP4
10:15-10:45	Coffee break
10:45-11:45	WP4 presentations (continued)
10:45-11:00	Lohmann, Ulrike (ETHZ) The importance of mixed-phase clouds for climate sensitivity in the global aerosol-climate model ECHAM6-HAM2
11:00-11:15	Sporre, Moa (UIO)//D4.4 BVOC-cloud-climate feedbacks investigated using NorESM
11:15-11:30	Huang, Katty (ETHZ)//D4.5 How will aerosol-cloud interactions change in the future?
11:30-11:45	Gilgen, Anina (ETHZ)//D4.5 Sea-salt versus ship emissions - what matters more in a future Arctic summer/autumn?
12:00-13:30	Lunch (on your own)/ SC Meeting
13:30-14:15	Peter Knippertz (KIT, solicited) The DACCIWA Project: Dynamics-Aerosol-Chemistry-Cloud Interactions in West Africa
14:15-14:45	WP1 presentations
14:15-14:30	Thomson, Erik (UGOT) The current state and future fate of the INP database
14:30-14:45	Welti, André (TROPOS) Ship based observations of INP concentrations in different parts of the world
14:45-15:00	Briefing for Workshop (D5.9/Community Assessment)
	<i>-Transfer to CHN building & group photo-</i>
15:00-15:30	Coffee break (CHN green floor)
15:30-17:00	Workshops for D5.9 (CHN G46/D26.2/L17.1/green floor)
17:00-17:30	Plenary for D5.9 (CAB G11)
17:45-19:00	Joint SAB-SC Meeting (HG D22)/Time for meetings etc.
19:00	BACCHUS dinner, Restaurant Linde Oberstrass

Thursday, 26. April 2018

09:00-10:00	WP2 presentations
09:00-09:15	Kanakidou, Maria (UOC) Robustness of global CCN simulations and implication for droplet formation: A BACCHUS and AEROCOM intercomparison
09:15-09:30	Ovadnevaite, Jurgita (NUIG) Nascent Marine Aerosol Acting as Ultra-Efficient Cloud Nuclei
09:30-09:45	Decesari, Stefano (CNR-ISAC) Biogenic sources of organic nitrogen in aerosols in the Antarctic ocean
09:45-10:00	Kanakidou, Maria (UOC) Influence of the organic mass to the cloud condensation nuclei
10:00-10:30	WP1 presentations (continued)
10:00-10:15	Schmale, Julia (PSI) Overview of the 'Study of Preindustrial-like-Aerosol Climate Effects' during the Antarctic Circumnavigation Expedition (ACE-SPACE)
10:15-10:30	Fossum, Kirsten/Ovadnevaite, Jurgita (NUIG) Summertime Primary and Secondary Contributions to Southern Ocean Cloud Condensation Nuclei
10:30-11:00	Coffee break
11:00-11:45	WP1 presentations (continued)
11:00-11:15	Stratmann, Frank (TROPOS) Study of cloud condensation nuclei and ice nucleating particles in the Southern Ocean
11:15-11:30	Calmer, Radiance (CNRS-GAME) Aerosol-Cloud Closure Study using Remotely Piloted Aircraft Measurements during the BACCHUS field campaign in Cyprus
11:30-11:45	Rosenfeld, Daniel (HUJI) Smaller particles than CCN can enhance substantially convection and precipitation
11:45-12:15	General discussion
12:15-12:30	Final remarks
~12:30	End of meeting

3. List of presentations & posters

WP	Presenter	Partner	Title	type
inv.	Ekman, Annica	--	Formation and persistence of mixed-phase clouds in the summer- and wintertime Arctic	talk
inv.	Knippertz, Peter	--	The DACCIWA Project: Dynamics-Aerosol-Chemistry-Cloud Interactions in West Africa	talk
1	Bingemer, Heinz	UOF	Ice nucleating particles at the Mt. Kenya GAW station	poster
1	Bühl, Johannes	TROPOS	Long term statistics of ice formation efficiency in mixed-phase clouds	poster
1	Calmer, Radiance	CNRS-GAME	Aerosol-Cloud Closure Study using Remotely Piloted Aircraft Measurements during the BACCHUS field campaign in Cyprus	talk
1	Calmer, Radiance	CNRS-GAME	Vertical Wind Velocity Measurements using a 5-hole Probe with Remotely Piloted Aircraft to Study Aerosol-Cloud-Interactions	poster
1	Fossum, Kirsten / Ovadnevaite, Jurgita	NUIG	Summertime Primary and Secondary Contributions to Southern Ocean Cloud Condensation Nuclei	talk
1	Mamouri, Rodanthi- Elisavet	CUT	The potential of a remote sensing super site for aerosol-cloud interaction: Cy-CARE in Limassol	poster
1	Mignani, Claudia	Basel (UOF)	Examining single snow crystals for ice-nucleating particles	poster
1	Motos, Ghislain	PSI	Parameterization of the cloud condensation nuclei (CCN) activity of ambient black carbon at different aging levels: Comparison between theoretical and experimental results	poster
1	Ramelli, Fabiola	ETHZ	Observations of the Small-Scale Cloud Structure using a Holographic Imager on a Tethered Balloon and Cable Car	poster

1	Rinaldi, Matteo	CNR-ISAC	Overview of DFPC Ice Nucleating Particle observations within BACCHUS	poster
1	Rosenfeld, Daniel	HUJI	Smaller particles than CCN can enhance substantially convection and precipitation	talk
1	Sanchez, Kevin	CNRS-GAME	Top-down and bottom-up aerosol-cloud-closure: towards understanding sources of uncertainty in deriving cloud radiative flux	poster
1	Schmale, Julia	PSI	Overview of the 'Study of Preindustrial-like-Aerosol Climate Effects' during the Antarctic Circumnavigation Expedition (ACE-SPACE)	talk
1	Schrod, Jann	UOF	Ice nucleating particles over the Eastern Mediterranean measured by unmanned aircraft systems	poster
1	Schrod, Jann	UOF	Long-term INP observation in the Arctic, the Caribbean and the Amazon	poster
1	Stratmann, Frank	TROPOS	Study of cloud condensation nuclei and ice nucleating particles in the Southern Ocean	talk
1	Thomson, Erik	UGOT	The current state and future fate of the BACCHUS INP database	talk
1	Welti, André	TROPOS	Ship based observations of INP concentrations in different parts of the world	talk
2	Decesari, Stefano	CNR-ISAC	Biogenic sources of organic nitrogen in aerosols in the Antarctic ocean	talk
2	Kanakidou, Maria	UOC	Robustness of global CCN simulations and implication for droplet formation: A BACCHUS and AEROCOM intercomparison	talk
2	Kanakidou, Maria	UOC	Influence of the organic mass to the cloud condensation nuclei	talk
2	Ovadnevaite, Jurgita	NUIG	Nascent Marine Aerosol Acting as Ultra-Efficient Cloud Nuclei	talk
3	Connolly, Paul	UMAN	A novel model closure study of CCN in a case study over Cyprus	talk
3	Dietlicher, Remo	ETHZ	Elucidating ice formation pathways in ECHAM-HAM using an improved representation of cloud ice	poster

3	Eirund, Gesa	ETHZ	Sensitivity of Arctic low-lying mixed-phase clouds to surface forcing and aerosol perturbations	talk
3	Heikenfeld, Max	UOXF	The propagation of aerosol perturbations in convective cloud microphysics	talk
3	Labbouz, Laurent	UOXF	Aerosol effects in ECHAM-HAM: simulations with the Convective Cloud Field Model	poster
3	Labbouz, Laurent	UOXF	Aerosol effect in ECHAM-HAM simulations with two different convective parameterisations	talk
3	Saponaro, Giulia	FMI	Evaluating ECHAM-HAM, ECHAM-HAM-SALSA and NorESM global cloud and aerosols biases using MODIS observations	poster
3	Stevens, Robin	ULEEDS	A Model Intercomparison of CCN-Limited Tenuous Clouds in the High Arctic	talk
3	Vergara-Temprado, Jesús	ULEEDS	Global simulation of ice-nucleating particles and implications for cloud radiative effects	talk
4	Fiedler, Stephanie	MPI-M	How does the anthropogenic aerosol pattern affect the global mean effective radiative forcing?	talk
4	Gilgen, Anina	ETHZ	Sea-salt versus ship emissions - what matters more in a future Arctic summer/autumn?	talk (D4.5)
4	Huang, Katty	ETHZ	How will aerosol-cloud interactions change in the future?	talk (D4.5)
4	Kinne, Stefan	MPI-M	New estimates of the aerosol forcing with the MACv2 climatology	poster
4	Lohmann, Ulrike	ETHZ	The importance of mixed-phase clouds for climate sensitivity in the global aerosol-climate model ECHAM6-HAM2	talk
4	Makkonen, Risto	UHEL	Global variability of cloud condensation nuclei concentrations	poster
4	Neubauer, David	ETHZ	MPI-ESM1.2-HAM: Setup, tuning and evaluation for BACCHUS WP4	talk
4	Sporre, Moa	UIO	BVOC-cloud-climate feedbacks investigated using NorESM	talk (D4.4)