

## ESM Summer School 2019 Draft Agenda

### Monday 09.09.2019

11:00	Registration	
Until 14:00	Lunch	
14:00 – 15:30	Robert Sausen, DLR	Welcome, House-Keeping Introduction to Earth System Modelling
15:30	Coffee Break	
16:00-17:30	Sabine Brinkop, DLR	Modelling of atmospheric dynamics (dynamic cores)
19:00	Icebreaker	

### Tuesday 10.09.2019

Chair:		
09:00-10:30	Peter Braesicke, KIT	Physical processes in the atmosphere
10:30-11:00	Coffee Break	
11:00-12:30	Rolf Müller, FZJ, tbc	Atmospheric chemistry
12:30-14:00	Lunch Break	
14:00-15:30	Norbert Attig, FZJ, tbc	Introductions to High Performance Computing
15:30-16:00	Coffee Break	
16:00-17:30	Mattia Righi, DLR	Atmospheric aerosol and aerosol cloud interactions
18:30	Dinner	
20:00	Social Event	

### Wednesday 11.09.2019

Chair:		
09:00-10:30	Arne Biastoch, GEOMAR	Ocean general circulation modelling
10:30-11:00	Coffee Break	
11:00-12:30	Judith Hauck, AWI, tbc	Marine biogeochemical modelling
12:30-14:00	Lunch Break	
14:00-15:30	Nadine Wieters, AWI	Hands-on seminar: Mini-cluster I
15:30-16:00	Coffee Break	
16:00-17:30	Angelika Humbert, AWI	Modelling of ice sheets and glaciers
18:30	Dinner	
20:00	Social Event	

### Thursday 12.09.2019

Chair:		
09:00-10:30	Almut Arneth, KIT, tbc	Land biosphere modelling
10:30-11:00	Coffee Break	
11:00-12:30	Joanna Staneva, HZG, tbc	Atmosphere-wave-ocean coupling
12:30-14:00	Lunch Break	
14:00-15:30	Nadine Wieters, AWI	Hands-on seminar: Mini-cluster II
15:30-16:00	Coffee Break	
16:00-17:30	Stefan Kollet, FZJ	Terrestrial modelling
18:30	Dinner	
20:00	Social Event	

## ESM Summer School 2019 Draft Agenda

### Friday 13.09.2019

Chair:		
09:00-10:30	Mauro Cacace, GFZ	Flexible parallel modelling of georeservoirs
10:30-11:00	Coffee Break	
11:00-12:30	Oliver Heidebach, GFZ, tbc	Lithosphere modelling / deformation processes
12:30-14:00	Lunch Break	
14:00-15:30	Mariano Mertens	Hands-on seminar: Exercises on parallelization
15:30-16:00	Coffee Break	
16:00-17:30	Peter Bauer, ECMWF	Extreme scale computing
18:30	Dinner	
20:00	Social Event	

### Saturday 14.09.2019

Chair:		
09:00-10:30	Patrick Jöckel, DLR	Coupling of Earth system components
10:30-11:00	Coffee Break	
11:00-12:30	Thomas Jung, AWI	High resolution modelling in ESM
12:30-18:00	Social event (visit Kampenwand)	

### Sunday 15.09.2019

09:00-18:00	Social event (e.g. visit Chiemsee, Salzburg, Berchtesgaden)	
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### Monday 16.09.2019

Chair:		
09:00-10:30	Daniela Jacob, HZG, tbc	Atmospheric regional modelling
10:30-11:00	Coffee Break	
11:00-12:30	Corinna Schrum, HZG, tbc	Coastal ocean modelling
12:30-14:00	Lunch Break	
14:00-15:30	Nadine Wieters, AWI	Hands-on seminar: Version control
15:30-16:00	Coffee Break	
16:00-17:30	Lars Nerger, AWI	Methodology of data assimilation
18:30	Dinner	
20:00	Social Event	

### Tuesday 17.09.2019

Chair:		
09:00-10:30	Hendrik Elbern, FZJ	Data assimilation in atmospheric chemistry
10:30-11:00	Coffee Break	
11:00-12:30	Bastian Kern, DLR	On-line diagnostics
12:30-14:00	Lunch Break	
14:00-15:30	Jan Saynisch, GFZ, tbc	Hands-on seminar: Variational data assimilation
15:30-16:00	Coffee Break	
16:00-17:30	Mojib Latif, GEOMAR	Climate variability and predictability, current status of IPCC simulations
18:30	Dinner	
20:00	Social Event	

## ESM Summer School 2019 Draft Agenda

### Wednesday 18.09.2019

Chair:		
09:00-10:30	Jennifer Schröter, KIT	Sensitivities in atmospheric models: time slice vs. transient simulations
10:30-11:00	Coffee Break	
11:00-12:30	Mariano Mertens, DLR	Transport and climate
12:30-14:00	Lunch Break	
14:00-15:30	Axel Lauer, DLR	Hands-on seminar: Post processing, data archives
15:30-16:00	Coffee Break	
16:00-17:30	Luisa Cristini, AWI	Project management
18:30	Dinner	
20:00	Social Event	

### Thursday 19.09.2019

Chair:		
09:00-10:30	tbc	tbc
10:30-11:00	Coffee Break	
11:00-12:30	Robert Sausen	Closing remarks / Wrap – Up
12:30-14:00	Lunch Break	
14:00	Departure	