

MICMOR Summer School 2015 'Modeling of Land Surface – Atmosphere Interactions'
KIT/IMK-IFU, August 16-26, 2015



	Sunday 16 Aug	Monday 17 Aug	Tuesday 18 Aug	Wednesday 19 Aug	Thursday 20 Aug	Friday 21 Aug	Saturday 22 Aug	Sunday 23 Aug	Monday 24 Aug	Tuesday 25 Aug	Wednesday 26 Aug	
09:00 - 10:30		Introduction, Land-surface & climate change (BOHRER)	Surface energy budget and biosphere-atmosphere interactions (BOHRER)	Modeling across scales (BOHRER)	Model introductions: PALM (HUQ), Landscape DNDC (HAAS/KIESE)	Model evaluation, observation/model comparison (GARRITY)	Field trip 1: TERENO prealpine		Visualization crash course MATLAB (BOHRER / GARRITY)	Field trip 2, together with InnSAR Summer School: Innsbruck - glacier (tent. Stubaital)	Wrap up	
10:30-11:00		Coffee break	Coffee break	Coffee break	Coffee break	Coffee break			Coffee break			Coffee break
11:00-12:30		Conservation of mass & momentum Reynolds averaging & the closure problem (BOHRER)	Evaporation (MATHENY)	Land-surface resistance & Stomatal conductance (FATICHI)	Computer lab – modeling exercise	Computer lab – modeling exercise			Visualization crash course R (ZEEMAN)			Project presentations
			Vegetation representation in models (FATICHI)	Model introduction WRF Hydro (FERSCH)								
12:30-14:00		Lunch	Lunch	Lunch	Lunch	Lunch			Lunch			Lunch
14:00-15:30		Atmospheric boundary layer, Similarity theory, K-Theory (MAUDER)	Model introductions: ED2 (Bohrer) LPJGuess (ARNETH)	Model Introduction Thetis-Chloris (FATICHI)	Computer lab – modeling exercise	Computer lab – modeling exercise			Computer lab			Project presentations
15:30-16:00		Coffee break	Coffee break	Coffee break	Coffee break	Coffee break			Departure to Innsbruck			Coffee break
16:00-17:30		Computer lab - basics	Computer lab – Linux, cluster	Computer lab – model tests	Computer lab – modeling exercise	Computer lab – modeling exercise						Certificates 17:00: Departure
18:00	Ice-breaker (location t.b.a.)		Poster session & finger food						Social with InnSAR*		Arrival in Garmisch ~ 21:30	

* Please note: overnight stay in Innsbruck