

4th DWD ICON Training Course

Monday, April 16, 2018

12:00	Registration
12:30 – 13:30	Overview of the ICON model (<i>G. Zängl</i>) horizontal and vertical grid, nesting and LAM, governing equations, discretization, time-stepping
13:30 – 15:00	Getting started with ICON (<i>F. Prill</i>) input data and technical setup, parallelization, output, where to obtain the code
15:00 – 15:30	<i>Break</i>
15:30 – 16:15	Details of the advection scheme (<i>D. Reinert</i>)
16:15 – 18:00	Hands-on training I: Idealized test cases basic model run; viewing grids and data
18:00	<i>Ice breaker (all), Kick-off: COSMO Priority Project C2I</i>

Tuesday, April 17

09:00 – 09:45	ICON-NWP physics: general overview (<i>D. Klocke</i>)
09:45 – 10:30	ICON physics: cloud physics (<i>A. Seifert</i>)
10:30 – 11:00	<i>Break</i>
11:00 – 11:45	ICON physics: clouds and convection (<i>M. Köhler</i>)
11:45 – 12:30	ICON physics: radiation (<i>T. Reinhardt</i>)
12:30 – 14:00	<i>Lunch break</i>
14:00 – 15:30	Hands-on training II: running ICON-NWP with real data starting from DWD analysis; grids and external parameters
15:30 – 16:00	<i>Break</i>
16:00 – 17:30	Hands-on training III: necessary input data for ICON-LAM grid generation; remapping of initial and boundary data
19:00	<i>Joint dinner, "Zum gemalten Haus", Frankfurt (self-pay)</i>

Wednesday, April 18

09:00 – 09:45	ICON physics: lake and sea-ice model (<i>D. Mironov</i>)
09:45 – 10:30	ICON physics: soil model (<i>J.-P. Schulz</i>)
10:30 – 11:00	<i>Break</i>
11:00 – 11:45	Data visualization with NCL (<i>F. Prill</i>)
11:45 – 12:30	ICON physics: TKE scheme (<i>M. Raschendorfer</i>)
12:30 – 14:00	<i>Lunch break</i>
14:00 – 15:30	Hands-on training IV: ICON-LAM running ICON-LAM
15:30 – 16:00	<i>Break</i>
16:00 – 17:30	Hands-on training V: programming ICON implementing own diagnostics

Thursday, April 19

09:00 – 10:30	ICON-ART: Talks/Hands-on training emissions from point sources; volcanic ash; sea salt aerosol
10:30 – 11:00	<i>Break</i>
11:00 – 12:30	ICON-ART: Talks/Hands-on training
12:30 – 13:00	Wrap-up

