

Day 1 - Tuesday, Sept 29	Day 2 - Wednesday, Sept 30	Day 3 - Thursday, Oct 1	Day 4 - Friday, Oct 2	Day 5 - Saturday, Oct 3
8:00 - 10:30 - Travel from INPA, Manaus to field site "ZF2" at the Cuieiras Biological Reserve	8:00 - 8:45 - Lecture: Dynamic Global vegetation Models / Ecosystem Models	8:00 - 8:45 - Ecosystem processes and above ground measurements (photosynthesis, Biomass stomatal conductance)	8:00 - 8:45 - Methodology lecture in field: Belowground processes (Microbial and enzymatic processes in soils)	8:00 - 11:00 Exercise with LPJ-GUESS
11:30 - 12:00 - Welcome, introduction of participants and general information about the course.	<u>Start of group-specific work:</u>	<u>Start of group-specific work:</u>	<u>Start of group-specific work:</u>	9:30 - 10:00 Coffee Break
12:00 - 12:30 - Introductory lecture about the Amazon climate change (general ecology, social arrangements, biochemical and hydrological cycles) and scientific activities conducted at these sites (LBA, FACE, K34)	9:00 - 11:00 - Data or model based theoretical analysis	9:00 - 11:00 - Data or model based theoretical analysis	9:00 - 11:00 - Data or model based theoretical analysis	11:00 - 12:00 - Preparation of final talks by students
12:30 - 14:00 - Lunch	11:00 - 12:00 - Introduction to experimental equipment and procedure	11:00 - 12:00 - Introduction to experimental equipment and procedure	11:00 - 12:00 - Introduction to experimental equipment and procedure	12:00 - 13:00 - Lunch Break
14:00 - 14:30 - The future of the Amazon forest, the model-based "Dieback hypothesis"	12:00 - 13:00 - Lunch	12:00 - 13:00 - Lunch	12:00 - 13:00 - Lunch	13:00 - 14:00 - Final general presentation by students - Closure remarks/Feedback
14:30 - 18:00 - Visit of the LBA flux tower at K34 (terra-firme forest), introduction to gas measurement technology, and particularities of Amazonian forest	13:00 - 17:30 - Procedure of measurements	13:00 - 17:30 - Procedure of measurements	13:00 - 17:30 - Procedure of measurements	15:00 - Packing
Lecture on the go: Ecosystem processes and above ground measurements (Photosynthesis, biomass, stomatal conductance,)	17:30 - 19:00 - Dinner	17:30 - 19:00 - Dinner	17:30 - 19:00 - Dinner	16:00 - Travel back to Manaus
Lecture on the go: Amazonian soils and ecosystem function	19:00 - 21:00 - Data analysis and re-evaluation of data or model based analysis and group discussion about scientific activities	19:00 - 20:30 - Data analysis and re-evaluation of data or model based analysis and group discussion about scientific activities	19:00 - 21:00 - Data analysis and re-evaluation of data or model based analysis and group discussion about scientific activities	
18:00 - 19:30 - Dinner		20:30 - 21:30 - Night walk to the LBA tower site	21:00 - open end - Barbecue	
19:30 - 21:00 - Exploration of example K34 data				

Lecturers
Alessandro Carioca de Araújo (EMBRAPA)
Anja Rammig (TU München)
Bart Krujit (ALTErra - Wageningen University)
Carlos Alberto Quesada (INPA)
David Montenegro Lapola (UNESP)
Florian Hofstandl (FAPEAM)
Katrin Fleischer (VU Amsterdam)
Lucia Fuchslueger (FAPEAM)
Marcel Hoosbeek (INPA)
Oscar Valverde (FAPEAM)
Tomás Ferreira Domingues (USP)