



2025 ATTO Summer School: - Amazon forests under global change Sep 19 – 29, 2025

Program

	Friday - Keynote talks
	19. Sep
	Manaus/INPA
9:00-9:30	Registration
9:30-10:00	Welcome and Introduction
10:00-10:45	Past, Present and Future of Amazon Forests by Dr. Susan Trumbore, Max Planck Institute for Biogeochemistry
10:45-11:30	Biogenic Emissions of Volatile Organic Compounds: Atmospheric Impact, History and Current Research by Dr. Jürgen Kesselmeier, Max Planck Institute for Chemistry
11:30-11:45	Coffee break
11:45-12:30	Atmospheric Aerosols over the Amazon: Insights into Properties and Effects by Dr. Marco Franco, University of São Paulo
12:30-14:00	Lunch
14:00-14:45	The role of turbulent fluxes on the CO₂ balance of an ecosystem by Dr. Otavio Acevedo, University of Oklahoma
14:45-15:00	Coffee break
15:00-15:45	The resilience (!?) of central Amazonian forests to severe drought by Dr. Flavia Costa, National Institute of Amazonian Research
15:45-16:00	First day wrap-up

	Saturday - General explanation of ATTO project measurements and modeling
	20. Sep
	Manaus/INPA
9:00-9:15	Presentation of the Day Program (Eliane)
9:15-11:00	Introduction to research data management by Dr. Juliana Menger, Max Planck Institute for Biogeochemistry

11:00-11:15	Coffee break
11:15-11:45	GHG measurements at the ATTO site by Dr. Hella van Asperen, Max Planck Institute for Biogeochemistry
11:45-12:30	Vegetation modeling in the ATTO project by Dr. Manon Sabot and Dr. Phillipp Papastefanou, Max Planck Institute for Biogeochemistry
12:30-13:00	Regional GHG Modeling in the ATTO project by Dr. Santiago Botia, Max Planck Institute for Biogeochemistry
13:00-14:00	Lunch
14:00-14:30	BVOC measurements at the ATTO site by Dr. Eliane Gomes Alves, Max Planck Institute for Biogeochemistry, and Dr. Achim Edtbauer, Max Planck Institute for Chemistry
14:30-15:00	Forest biodiversity at the ATTO site by Dr. Flavia Durgante, Karlsruhe Institute of Technology
15:00-15:15	Coffee break
15:15-15:30	Presentation of the Field Program (Eliane)
15:30-16:00	Basecamp Rules and Final instructions (Hella & Eliane)

	Travel to the ATTO site
	Sunday
	21 Sep
	INPA/ATTO
06:00-13:00	travel to the ATTO site
13:00-14:00	Lunch
14:00-15:00	Accommodation in the Basecamp
15:00-18:00	Simple tour through the ATTO site with Dr. Cléo Quaresma
18:00-19:00	Free time
19:00-20:00	Dinner
20:00-21:00	The Amazon Tall Tower Observatory (ATTO): From Birth to Operation by Dr. Jürgen Kesselmeier

	Practical activities in the ATTO site
	Monday
	22 Sep
	ATTO
6:30-7:30	Breakfast
08:00-12:00	GHG+VOC (group A)

08:00-12:00	Micromet (group B)
08:00-12:00	Modeling (group C)
08:00-12:00	Biodiversity (group D)
12:00-14:00	Lunch
14:00-18:00	Aerosol (group A)
14:00-18:00	Micromet (group B)
14:00-18:00	Modeling (group C)
14:00-18:00	Biodiversity (group D)
18:00-19:00	Free time
19:00-20:00	Dinner
20:00-21:00	ATTO virtual reality by Achim Edtbauer
	Tuesday
	23 Sep
	ATTO
6:30-7:30	Breakfast
08:00-12:00	GHG+VOC (group B)
08:00-12:00	Micromet (group C)
08:00-12:00	Modeling (group D)
08:00-12:00	Biodiversity (group A)
12:00-14:00	Lunch
14:00-18:00	Aerosol (group B)
14:00-18:00	Micromet (group C)
14:00-18:00	Modeling (group D)
14:00-18:00	Biodiversity (group A)
18:00-19:00	Free time
19:00-20:00	Dinner
20:00-21:00	Local community knowledge and co-development of science in Amazonia by Zelão Nunes and Jessica Nunes
	Wednesday
	24 Sep
	ATTO
6:30-7:30	Breakfast
08:00-12:00	GHG+VOC (group C)
08:00-12:00	Micromet (group D)

08:00-12:00	Modeling (group A)
08:00-12:00	Biodiversity (group B)
12:00-14:00	Lunch
14:00-18:00	Aerosol (group C)
14:00-18:00	Micromet (group D)
14:00-18:00	Modeling (group A)
14:00-18:00	Biodiversity (group B)
18:00-19:00	Free time
19:00-20:00	Dinner
20:00-21:00	Experience sharing by Lina Clasen
	Thursday
	25 Sep
	ATTO
6:30-7:30	Breakfast
08:00-12:00	GHG+VOC (group D)
08:00-12:00	Micromet (group A)
08:00-12:00	Modeling (group B)
08:00-12:00	Biodiversity (group C)
12:00-14:00	Lunch
14:00-18:00	Aerosol (group D)
14:00-18:00	Micromet (group A)
14:00-18:00	Modeling (group B)
14:00-18:00	Biodiversity (group C)
18:00-19:00	Free time
19:00-20:00	Dinner

	Project days
	Friday
	26 Sep
	ATTO
6:30-7:30	Breakfast
08:00-12:00	Project group activities
Lunch	Lunch
14:00-18:00	Project group activities

18:00-19:00	Free time
19:00-20:00	Dinner
	Free time
	Saturday
	27 Sep
	ATTO
6:30-7:30	Breakfast
08:00-12:00	Project group activities
Lunch	Lunch
14:00-18:00	Project group activities
18:00-19:00	Free time
19:00-20:00	Dinner
	Free time
	Sunday
	28 Sep
	ATTO
6:30-7:30	Breakfast
08:00-12:00	Group presentation preparation
Lunch	Lunch
14:00-17:30	Group presentation
17:30-18:00	Final words
18:00-19:00	Free time
19:00-22:00	BBQ

	Travel back to Manaus
	Monday
	29 Sep
ATTO/INPA	
6:30-7:30	Breakfast
07:30-15:00	Travel back to Manaus