

**BACI Progress and review meeting
21st, 22nd & 23rd November 2017**

Agenda

Max-Planck-Institute for Biogeochemistry Jena

Hans-Knöll-Str. 10, D-07745 Jena

Monday 20.11.2017

19:00– open Informal get-together

Tuesday 21.11.2017. BACI Progress Meeting II: Exploring opportunities (C1.011)

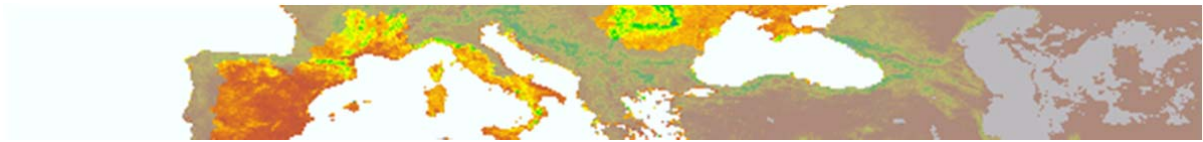
8:30 – 9:00	Registration	Birgitta Wiehl (MPG)
9:00 – 9:10	Welcome	Miguel Mahecha (MPG)
9:10 – 9:30	Scientific relevance of BACI	Markus Reichstein (MPG)
9:30 – 9:50	BACI overview	Miguel Mahecha (MPG)

Potential of new satellite data to monitor ecosystems changes and impacts

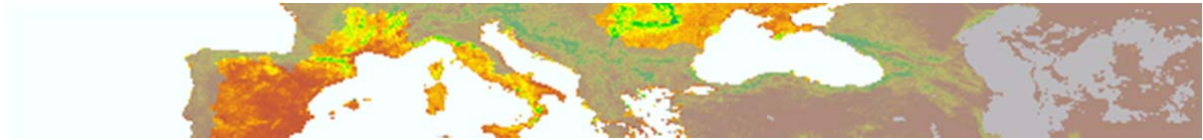
9:50– 10:10	A thirty-five record of land surface albedo from a fusion of polar-orbiting and geostationary data	Jan-Peter Muller (UCL)
10:10-10:30	Temporal and Spatial Up-scaling effects in the Validation of Satellite Albedos using Ground-Based Albedo.	Said Kharbouche (UCL)
10:30 - 11:00	<i>Coffee break</i>	
11:00 - 11:20	An introduction to the RezaTec Geospatial Data Analytics Portal	Stuart Green (RZT)
11:20 - 11:40	Overview of the radar data archive in BACI & vegetation structure analysis in the Kruger National Park (South Africa) using Sentinel-1 and -2 data)	Marcel Urban (FSU)

Potentiality for connecting EO data and ground data

11:40 - 12:00	AGB prediction in Viterbo province at fine scale using ground data and Sentinel 1 time series	Gaia Vaglio Laurin (UNITUS)
12:00 - 12:20	Towards global maps of plant traits	Jens Kattge (MPG)
12:20 - 13:20	<i>Lunch</i>	

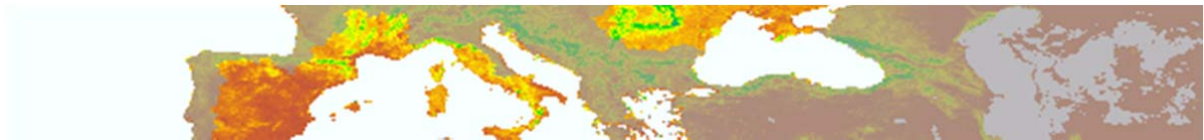


13:20 - 13:40	Tracking changes in the climatic drivers of forest growth at large spatiotemporal scales	Flurin Babst (WSL)
13:40 - 14:00	Training on Remote Sensing for Ecosystem modelling- TRUSTEE; Potential synergies with BACI	Cinzia Panigada (UNIMIB)
Analysis of generated global products of EEVs and EFPs		
14:00- 14:20	Upscaled fluxes and tree-rings	Paul Bodesheim (MPG)
14:20- 14:40	Global estimates and exploration of photosynthetic capacity	Talie Musavi & Daniel Pabon (MPG)
Novelty detection and Maximally Divergent Intervals method for Anomaly Detection		
14:40- 15:00	Efficient detection of spatio-temporal anomalies using the Maximally Divergent Intervals algorithm	Björn Barz (FSU)
15:00- 15:30	<i>Coffee break</i>	
Results on the validation exercise		
15:30- 15:50	Status and way forward of the BACI validation effort	Johannes Reiche/Johannes Balling (WU)
Potential of Biodiversity research in BACI		
15:50- 16:10	Disappearance of the richness-specialization relationship: A resource/ predictability framework to understand and interpret community response to global changes	Anne Mimet (UFZ)
16:10- 16:20	Cross-scale integration with drone-based remote sensing	Signe Norman (AU)
16:20- 16:40	Evaluating remote sensing biodiversity proxies over the Mediterranean flux tower sites using ESA's Sentinel satellites	Xuanlong Ma (MPG)
16:40- 17:00	Feedback and suggestions from the Adv. Board	Sybil Seitzinger (PICS)
17:00- 17:20	Conclusions	All (moderated by Miguel)
19:00	Informal dinner	



Wednesday 22.11.2017. BACI Progress Meeting II: Brainstorming day

9:00 - 10:15	BACIndex and Attribution scheme	MPG, FSU, UNI-KLU, WU, AU, UCL
	In situ data	UNITUS, MPG, WSL, AU
10: 15 - 10:45	<i>Coffee break</i>	
10:45 - 12:00	Brainstorming on interesting analysis of BACI downstream products	MPG, FSU (C.Schmul.), WU, AU, UNITUS, WSL
	State vector	UCL, MPG, FSU, UNITUS,UNI-KLU, AU
12:00 - 13:00	<i>Lunch</i>	
13:00 - 14:15	Regional validation	WU, UNI-KLU, FSU, MPG, UNITUS
	BACI products for biodiversity assessment	AU, MPG, UNITUS
14:15- 14:50	Reports from the Break-out groups	All groups
14:50- 15:10	Feedback and suggestions from the Adv. Board; BACI synergies with GEO-BON initiatives	Henrique Pereira (iDiv)
15:10- 16:00	<i>Coffee break</i>	
16:00- 16:30	Publication planning (papers and data)	All groups and the MPG Library
16:30- 16:45	General Assembly meeting	
16:45- 17:30	WP Presentations rehearsal for review meeting	
19:00- 20:00	Project dinner	
20:00- 21:30	“Surprises”: Scientific vision talks	



Thursday 23.11.2017 BACI EU Review Meeting

9:00 – 9:30	Welcome & Project Overview	Miguel Mahecha (MPG)
9:30 – 10:00	WP2 Consistent EO datasets across space, time and wavelength	Mathias Disney (UCL)
10:00 –10:30	WP3 Ground data	Dario Papale (UNITUS)
10:30 –11:00	<i>Coffee break</i>	
11:00 - 11:30	WP4 New downstream data products: EEVs and EFPs	Martin Jung (MPG)
11:30 - 12:00	WP5 Synthetic Index and Attribution Scheme: the BACIndex	Maha Shadydeh (FSU)
12:00-12:30	WP6 Regional validation	Johannes Reiche (WU)
12:30-13:30	<i>Lunch</i>	
13:30-14:00	WP7 Socioeconomic drivers and consequences	Karlheinz Erb (UNI-KLU)
14:00-14:30	WP8 Implications for Biodiversity research and monitoring	Robert Buitenwerf (AU)
14:30-15:00	WP1/9 Coordination/Dissemination	Rocio Perez (MPG)
15:00-15:15	Financial Overview	Corinne Sacher (MPG)
15:15-15:30	Scientific Advisory Board Summary	SAB speaker (tbd)
15:30-16:00	<i>Coffee break- (EU officer & reviewer meeting)</i>	
16:00-16:45	EU feedback	Massimo Ciscato (EU)
16:45-17:00	Closing	Miguel Mahecha (MPG)