



# DFG-PAK 823/4/5: „Platform for Biodiversity and Ecosystem Monitoring and Research in South Ecuador“

## Timetable

Talks: Auditorium, Universidad del Azuay

Posters: Somewhere nearby...

**Thursday 02/10/2014, 08:35 – 12:30 (talks in English)**

	8.35 – 9.00	<b>Introduction:</b> How platform activities meet national biodiversity and environmental strategies.	<b>Bendix</b>
<b>Chair</b>	<b>Siddons</b>	<b>Environmental/Global Change Research</b>	
	09:00 – 09:15	The importance of topography as a driver of forest structure and plant diversity in the Andes of South Ecuador.	<b>Homeier</b>
	09:15 – 09:30	Effects of temperature and precipitation of forest dynamics in the Andes.	<b>Baez</b>
	09:30 – 09:45	Chemical patterns in tree-rings of <i>Bursera graveolens</i> during the past 200-years in a tropical dry forest in Southern Ecuador	<b>Pucha, Bräuning, Wilcke</b>
	09:45 – 10:00	Environmental change in the humid mountain forests of southern Ecuador reflected in stable carbon and oxygen isotopes of tree rings.	<b>Bräuning, Volland, Pucha</b>
	10:00 – 10:15	Structure and functioning of soil microarthropod communities in a tropical montane rain forest in Ecuador.	<b>Maraun</b>
	10:15 – 10:30	Fertilization effects on arbuscular mycorrhizal abundance and molecular diversity in a tropical montane forest.	<b>Camenzind et al.</b>
	10:30 – 10:45	Geochemical controls of phosphorus cycling in a montane rainforest ecosystem in Ecuador.	<b>Oelmann,</b>
	10:45 – 11:15	<b>Coffee Break and Posters</b>	
<b>Chair</b>	<b>Beck</b>	<b>Sustainable Management and Ecosystem Services</b>	
	11:15 – 11:30	Potential distribution-shift of montane tree species important for local livelihoods in Ecuador	<b>Manchego, Cueva, Günter, Stimm</b>
	11:30 – 11:45	Pine plantations on Páramo sites – productivity and impacts on ecosystem services	<b>Quiroz, Crespo, Hildebrandt, Stimm, Weber</b>
<b>Chair</b>	<b>Suarez</b>	<b>Cross-scale Monitoring: Biodiversity and Ecosystem Functions</b>	
	11:45 – 12:00	Remotely sensed avian diversity in the high Andes	<b>Farwig</b>
	12:15 – 12:30	Why seed dispersal is important for maintaining biodiversity in Ecuador	<b>Neuschulz</b>

## DFG-PAK 823/4/5: „Platform for Biodiversity and Ecosystem Monitoring and Research in South Ecuador“

Thursday 02/10/2014, 13:30 – 17:00 (talks in English)

<b>Chair</b>	<b>Farwig / Wilcke</b>		
	13:30 – 14:45	<b>GUIDED POSTER SESSION</b>	
<b>Chair</b>	<b>Crespo</b>	<b>Water and Element Flux Indicators</b>	
	14:45 – 15:00	Water use efficiency of the evergreen RBSF-forest as functional indicator of slow environmental changes Progress report: Forest structure, species composition, functional types and diurnal water consumption on the study plot (WP 1).	<b>Strobl, Beck</b>
	15:00 – 15:15	Evapotranspiration and remote sensing - Towards area-wide functional indicators for the tropical mountain.	<b>Silva, Bendix</b>
	15:15 – 15:30	Stable water isotope tracing through hydrological models - disentangling runoff generation processes at the hillslope scale.	<b>Windhorst</b>
<b>Chair</b>	<b>Bendix</b>	<b>Soil &amp; Climate Indicators</b>	
	15:30 - 15:45	Climate change detection and scenarios for southern Ecuador – the added value of a dynamical downscaling approach	<b>Trachte</b>
	15:45 – 16:00	Impact of climate and climate change on vascular plant diversity in Southern Ecuador	<b>Peters</b>
	16:00 – 16:15	Response of tropical montane forest in Ecuador to increasing N deposition.	<b>Leimer, Velescu, Valarezo u. Wilcke:</b>
	16:15 – 16:30	Diversity and biogeography of lizards in the Andes of Ecuador	<b>Torres Carvajal</b>
	16:30 – 17:00	<b>Coffee Break, Posters and end of day</b>	



## DFG-PAK 823/4/5: „Platform for Biodiversity and Ecosystem Monitoring and Research in South Ecuador“

Friday 03/10/1014, 08:30 – 12:30 (talks in Spanish)

08:30 – 08:40	<b>Introduction:</b>		Zeilinger / Matt
<b>Chair</b>	<b>Zarate</b>	<b>Environmental/Global Change Research</b>	
8:40 – 09:00	Respuesta de la melina ( <i>Gmelina arborea</i> Roxb.) y el pachaco ( <i>Schizolobium parahyba</i> (Vell.) Blake) a la aplicación de biocarbón y nutrientes en suelos degradados del sur de la Amazonía Ecuatoriana.		<b>Valarezo, Maza, Villamagua, González u. Wilcke</b>
09:00 – 09:20	Tulasnella el principal grupo de micobiontes de orquídeas epifitas presenta diferentes grados de especificidad		<b>Suárez</b>
09:20 – 09:40	Regeneración natural en el bosque tropical de montaña		<b>Munoz, Hildebrandt, Günter, Weber, Stimm, Mosandl</b>
09:40 – 10:00	Proyecto Transfer "Nuevos Bosques para Ecuador" Sostenibilidad Ambiental y Mejoramiento de Servicios Ecosistémicos mediante Conversión de Monocultivos hacia Bosques Mixtos		<b>Veintimilla, Stimm, Günter, Mosandl, Calvas</b>
10:00 – 10:20	Análisis de la sustentabilidad y sostenibilidad económica de tres escenarios de aprovechamiento forestal de romerillo blanco en bosques húmedos tropicales de Ecuador.		<b>Jesús Bonilla</b>
10:20 – 10:40	RadarNet- Sur (RNSE) y su importancia para la evaluación del cambio climático en el Sur del Ecuador.		<b>Fries, Rollenbeck, Trachte, Bendix</b>
10:45 – 11:15	<b>Coffee Break and Posters</b>		
<b>Chair</b>	<b>Celleri</b>	<b>Environmental/Global Change Research (cont.)</b>	
10:40 – 11:00	Existencias y flujos de carbono en los rodales de <i>Polylepis reticulata</i> en el PN Cajas: situación actual y proyecciones futuras en el marco del Cambio Climático.		<b>Gracia</b>
11:00 – 11:20	Almacenamiento de carbono en bosques de <i>Polylepis reticulata</i> : evaluación plurianual y control estructural en el Parque Nacional Cajas		<b>Minga</b>
<b>Chair</b>	<b>Celleri</b>	<b>Sustainable Management and Ecosystem Services</b>	
11:20 – 11:40	Direct seeding with native trees in south central Ecuador: Enhancing restoration potential with local knowledge		<b>Crespo</b>
<b>Chair</b>	<b>Espinosa</b>	<b>Cross-scale Monitoring: Biodiversity and Ecosystem Functions</b>	
11:40 – 12:00	La alteración de hábitat modifica la especialización en redes de polinización: Ejemplo con colibríes montanos		<b>Tinoco</b>
12:00 – 12:20	Explorando al mejor polinizador en una comunidad vegetal de Llaviucu, Parque Nacional Cajas		<b>Nieto</b>



## DFG-PAK 823/4/5: „Platform for Biodiversity and Ecosystem Monitoring and Research in South Ecuador“

Guided Poster Session: TBC

There will be a guided poster session with 3 minutes presentations of each poster the 2nd of October between 13:30 – 14:45.

Name	Poster Title
<b>Environmental/Global Change Research</b>	
<b>Spannl</b>	Branch wood characteristics of <i>Alchornea lojaensis</i> [Euphorbiaceae]
<b>Oelmann, Dietrich</b>	The fate of phosphorus in a montane rainforest ecosystem in Ecuador“.
<b>Cueva, Eduardo</b>	Crecimiento de árboles en Bosque seco
<b>Sustainable Management and Ecosystem Services</b>	
<b>Knoke, Paul</b>	Cost-effective land-use strategies in the dry forests of Ecuador.
<b>Cross-scale Monitoring: Biodiversity and Ecosystem Functions</b>	
<b>Farwig</b>	Elevation and soil parameters shape the taxonomic and phylogenetic diversity of tropical trees in an Ecuadorian mountain rainforest
<b>Santillán</b>	Monitoring bird diversity and seed dispersal across elevational and land-use gradients
<b>Haug</b>	Arbuscular Mycorrhizal Fungi in Forest Restoration and Sustainable Forest.
<b>Butz, Hölscher, Graefe</b>	Tree water use of evergreen tree species during the dry season in Laipuna.
<b>Bettac, Butz, Hölscher, Graefe</b>	Leaf phenology of deciduous and abundance of evergreen tree species in the dry forest of Reserva Laipuna.
<b>Silva, Strobl, Beck, Bendix</b>	RendezWUE - Canopy evapotranspiration meets water use efficiency of leaves.
<b>Carrillo, Silva, Céleri, Bendix</b>	Evapotranspiration models using Landsat 7 / 8 imagery in a páramo ecosystem
<b>Alava-Nunes, Silva, Bendix</b>	Enhanced vegetation index and evapotranspiration at different scales in the ECSF
<b>González, Silva, Fries, Bendix</b>	Estimate biomass content in mountain forest using LiDAR data combined with field measurements
<b>Brito</b>	Digital soil mapping – impressions from field work in Laipuna.
<b>Rollenbeck</b>	Advanced quality assessment for ecological time series data.
<b>Campozano</b>	Rainfall and cloud dynamics in the Paute basin of the Ecuadorian Andes.
<b>Cueva, Cueva, Espinosa, Hildebrandt, Weber</b>	Forest inventory in two different vegetation types of Tumbesian dry forests



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