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LUQUILLO LONG-TERM ECOLOGICAL RESEARCH PROGRAM
ANNUAL MEETING VERSION MAY 2
MAY 29 - 31, 2024
AMPHITHEATER A-211, COLLEGE OF NATURAL SCIENCES, UPR-RP
ZOOM LINK FOR HYBRID PARTICIPATION: [HTTPS://UNH.ZOOM.US/J/5465970199](https://unh.zoom.us/j/5465970199)

LUQ Meeting Idea Box <https://forms.gle/vRmENsmCmfmmnsdn7>



wifi: uprrp-visitor
username: v101827
password: Natu2024

Wednesday, May 29

Time	Activity
8:30	Coffee, snacks, breakfast
	Morning Session – moderator <i>Jess Zimmerman</i>
9:00	Introductions, etc.
9:20	“State of the LTER” – Jess Zimmerman (UPR) – Question & Answer Period, Discussion
10:00	“Hurricane research update” – Chris Nytch (UPR) – Question & Answer Period, Discussion
10:15	Lightning talks: “Delayed tree mortality after Hurricane Maria” – Alyssa Brown (Columbia U) “Wind & tree architecture” – Roi Ankori-Karlinsky (Columbia U- ONLINE) “Preliminary results from the most recent census of the Luquillo Forest Dynamics Plot” – Monique Picón (UPR) “Repeated disturbances restructure a tropical bird community” – Bob Waide – Question & Answer Period
10:40	Break
11:10	Lightning Talks: “Hurricane disturbance and the growth-mortality trade-off of Caribbean trees” – J. Aaron Hogan (IITF - ONLINE) “Deep carbon dynamics in soils” – Shayla Husted (U California - Berkeley ONLINE) “Biomass changes due to disturbance” – Nafiseh Haghtalab (IITF - ONLINE) – Question & Answer Period

Please be aware we might experience technical difficulties during the meeting, please bear with us.

11:40	<p>“Education update” – Steven McGee (The Learning Partnership) and Noelia Báez Rodríguez (UPR-RP & Forward Learning)</p> <p>– Question & Answer Period, Discussion</p>
11:50	<p>Lightning Talk:</p> <p>“LUQ LTER Schoolyard Students: An overview of Puerto Rican students' trajectory after Data Jam experience” – Briseida Fernández (Fajardo Academy)</p> <p>– Question & Answer Period, Discussion</p>
12:00	Lunch
	Afternoon Session - moderator <i>Juan Garcia Cancel (UPR)</i>
1:30	<p>“Drought research update” – Maria Uriarte (Columbia U)</p> <p>– Question & Answer Period, Discussion</p>
1:45	<p>Lightning Talks:</p> <p>“When trees grow: daily patterns of stem growth in Luquillo” – Laura Boeschoten (Columbia U)</p> <p>“Belowground dynamics under drought: Pre-treatment biogeochemical data collection in the LUQ drought experiment” – Christine Sierra O’Connell (Macalester College)</p> <p>“Island-wide shifts between drought avoidance and drought tolerance across a very pronounced rainfall gradient” – Chris Smith-Martin (U Minnesota)</p> <p>“Estimating canopy water content using GPS signals” – Coral del Valle (Cornell U.)</p> <p>– Question & Answer Period</p>
2:05	<p>“The stream flow reduction experiment (StreamFRE): Major findings and future directions” – Alonso Ramírez (NCSU)</p> <p>– Question & Answer Period, Discussion</p>
2:20	<p>Lightning Talks:</p> <p>“Response of predatory insects to an experimental flow reduction in a mountain stream” – Jesús “Chu” E. Gómez (UPR)</p> <p>‘Shrimps on the move: Preliminary assessment of shrimp movement as a response to hydrological conditions at Quebrada Prieta’ – Rolando Santos (Florida International U)</p> <p>“A long journey to recovery: exploring resilience trajectories of stream ecosystems five years after major disturbances.” – Pablo Gutiérrez Fonseca (U Vermont)</p> <p>– Question & Answer Period</p>
2:45	Break
3:15	<p>“Long-term changes in nutrient inputs and outputs in a tropical landscape.” – Bill McDowell (U New Hampshire)</p>
3:30	<p>Lightning Talks:</p> <p>“Collaborative Aquatic Landscape Scale Restoration – Inventory Results” – Jessica Ilse (EYNF)</p> <p>“Understanding water fluxes at the TRACE experimental site: A collaboration with Los Alamos National Laboratory // Estudiando el flujo de agua en el sitio experimental de</p>

	TRACE: Una colaboración con Los Alamos National Laboratory” – Tatiana Barreto Vélez (TRACE) – Question and Answer Period
3:45	Lightning Talks: “Habitat preferences and distribution of some common bryophytes in a tropical forest at the LEF, Puerto Rico” – Amelia Merced (IITF/UPR) “Solving a 70-year mystery: the oviposition behavior of Culex antillummagnorum” – Anna E. Wynne (U Southern Mississippi) “Coquis moving up mountains?” – Karen Beard (Utah State U) – Question and Answer Period
	“Land use change and tropical trees” – Laura Moro (Uppsala U) ONLINE 'Unraveling the forest. The potential of soil eDNA to characterize tropical forest plant communities' – Francesc Borràs Sayas (Uppsala U) – Question and Answer Period
4:35	Lightning Talks: “International Institute of Tropical Forestry: Updates on Research Program and Community Engagement” – Kathleen McGinley (IITF) “NSF's National Ecological Observatory Network” – Juan Manuel Sandoval (NEON) “Current status of management and restoration efforts in the Northeast Ecological Corridor Natural Reserve and associated natural protected areas” – Ricardo Colon (DNER) – Question and Answer Period
	“PR Parrot Habitat Restoration at El Yunque National Forest” – Ricardo Santiago (EYNF) “Importancia del mantenimiento de las veredas” – Luis Gonzalez (Love in Motion) “Research authorization process” – Rosendo Ramos Serrano (EYNF) – Question and Answer Period
4:45	“Ecologically-driven nutrient cycles in closed systems” – Luis Miguel de Jesus Astacio (UPR)
5:00	END
5:30	Informal Reception “El Boricua”
	Dinner on your own

Thursday, May 30

Time	Activity
8:30 AM	Coffee, breakfast, snacks
	Morning Session moderator <i>Chris Nytch (UPR)</i>
9:00	“Update on Tropical Response to Altered Climate Experiment (TRACE)” - Tana Wood (IITF) – Question & Answer Period, Discussion
9:15	Lightning Talks: “Effects of soil moisture and temperature changes in CH ₄ respiration in sub-tropical soils” – Deyaneira A Ortiz Iglesias (TRACE) “Effects of Warming on Litterfall Decomposition: Experimental Design” // “Efectos de calentamiento en la descomposición de hojarasca: Diseño experimental” – Laura C. Rubio Lebron (TRACE) “Experimental warming effects on soil fungal hyphae growth in a tropical forest of Puerto Rico” – Ana Carolina Miron Pereira (U Hamburg) – Question & Answer Period “Effects of warming on fungal mat movement and connection” or “Efectos del calentamiento sobre el movimiento y la conexión de las esteras de hongos” – Ari Puentes (TRACE) “Modeled carbon cycling responses to simulated disturbance and warming at the TRACE project” – Rob Tunison (Michigan Tech U) ONLINE “Modeling Fe redox & C protection” – Salvatore Calabrese (Texas A&M U) ONLINE “Contextualizing Saharan dust transport during historic LUQ droughts” – Hank Dolce, (LSU) – Question & Answer Period
10:00	Break
10:30	Forum: “Bridges to Better Collaboration” Goals: The LTER is currently engaged in an ongoing internal dialogue about our interpersonal interactions within the group. In part, the topic draws from recent considerations of “helicopter science” in academia – specifically, implicit power dynamics and assumptions that can lead to misunderstanding and conflict among collaborators dispersed geographically and with varying access to material, financial, and personnel resources. We are wondering what lessons this may have for our own interactions even though the context is in many ways quite different. We are seeking ideas and strategies to help improve communications and partnership dynamics. Panelists: Tania López del Mar (UPR - Mayagüez) Ingrid Padilla (UPR - Mayagüez) Iana F. Grullón-Penkova (IITF) Omar Gutiérrez del Arroyo-Santiago (IITF)

12:00	Lunch
	Afternoon Session moderator <i>Jess Zimmerman</i>
1:30	“DEIJ Updates: Field Safety & Workplace Climate” – Pablo Gutiérrez
1:45	Progress update on LUQ community engagement strategic planning - Chris Nytch (UPR-RP)
2:15	“Accelerating Information Management with AI” – Miguel Leon (U New Hampshire) “Progress with El Verde Field Station” – Omar Pérez (UPR-RP)
2:30	Break
3:00	Elevation Gradient Planning “Overview of the Long-Term Elevational Plots (LTEP)” – Mike Willig (U Connecticut) “Differences between litter invertebrate communities on the LTEP” – Donald A. Yee (U Southern Mississippi) w/ Nicole A. Scavo & Joseph Nelsen “Habitat structure and the shape of avian functional diversity in the Luquillo Mountains” – Trevor Fristoe (UPR) – Question & Answer Period, Discussion
3:45	“CTE planning” - Jess Zimmerman (UPR) – Question & Answer Period, Discussion
4:00	Modeling “Climate Projections and Changes in Drought Disturbance for LUQ” - Tom Mote “Modeling ecosystem responses to hurricanes, drought and heat” Maria Uriarte – Question & Answer Period, Discussion
4:45	END
	Dinner on your own

Friday, May 31

Time	Activity
	Morning Session moderator <i>Jess Zimmerman</i>
8:30	Coffee and snacks
9:00	Business Meeting How funding the “LTER Platform” will change from LUQ 6 to LUQ 7 – Impacts and mitigation using carry-over funds How to leverage the platform – New grant opportunities and incorporation with ongoing research (e.g. technician support)
10:00	“Overview of Activities and Engagement Opportunities from the Luquillo LTER Graduate Student Representative Committee” - Mariely Vega-Gómez ONLINE
10:15	Drought Experiment Meeting
11:15	StreamFRE Meeting
12:15	End
	Lunch on your own