

"30:75:100 - The Stoichiometry of Research, Education, and Conservation in Puerto Rico"*

December 6-8, 2018

Faculty of General Studies, University of Puerto Rico – Río Piedras Campus

Day 1 (Thursday December 6, 2018) – Opening and Award Ceremony - Amphitheater #1
(Moderator: María Falcón)

5:30 PM: Registration

6:00-6:15 PM: Welcome and Safety Message, Dr. Rafael Ríos, Acting Dean, College of Natural Sciences, University of Puerto Rico, Río Piedras Campus

6:15-6:30 PM: Message from Dr. Jorge Haddock Acevedo, President, University of Puerto Rico

6:30-6:40 PM: Message from Dr. Luis A. Ferrao Delgado, Chancellor, University of Puerto Rico, Río Piedras Campus

6:40-6:50 PM: Message Hon. Tania Vázquez Rivera, Secretary, Department of Natural Resources and Environment

6:50-7:05 PM: Presentation of Institutional Awards

- Luquillo Long Term Ecological Research
Dr. Robert B. Waide
Dr. Ariel E. Lugo
- College of Natural Sciences
Dr. Gustavo Candelas
- Department of Natural Resources and Environment
Dr. Frank E. Wadsworth

7:05-8:05 PM: Tuna de Bardos Performance

8:05-8:30 PM: Social Mixer

*30th Anniversary of the Luquillo LTER, 75th Anniversary of the School of Natural Sciences at UPR – Río Piedras and 100 years of Forestry and Conservation in Puerto Rico.

Day 2 (Friday December 7, 2018) - Amphitheater #1

Morning of Talks (Moderator: Dr. Jess K. Zimmerman, University of Puerto Rico (UPR))

8:00 AM: Registration

8:45-9:00 AM: Welcome and Safety Message

9:00-9:40 AM: Introductory Remarks (10 min each)

- Dr. Rafael A. Ríos, Dean of College of Natural Sciences, UPR – Río Piedras
- Lcda. Tania Vázquez Rivera, Secretary, Department of Natural Resources and Environment, Puerto Rico
- Dr. Robert Waide, Founder co-PI, Luquillo Long Term Ecological Program (LTER), University of New Mexico (call)

9:40 –10:10 AM: The Luquillo LTER

- What is the Luquillo LTER? - Dr. Jess K. Zimmerman, Current PI of Luquillo LTER, UPR
- Examples of Science in Action - Dr. Alan Covich, Professor, University of Georgia

10:10 -10:20 AM: Q&A with Drs. Zimmerman and Covich (Luquillo LTER)

10:20 – 10:40 AM: Break

10:40 - 11:10 AM: History of Science and Education in the College of Natural Sciences, UPR – Río Piedras – Dr. Brad R. Weiner, UPR

11:10 -11:20AM: Q&A with Dr. Brad R. Weiner

11:20 – 11:50 AM: 100 Years of Puertorrican Forestry – Dr. Ariel E. Lugo, U.S. Department of Agriculture, Forest Service

11:50 AM -12:00 PM: Q&A with Dr. Lugo

12:00 – 1:00 PM: Lunch

1:00 -3:00 PM: **Panel I – How do scientific research contribute to human well-being?** (20 min talks each, Moderator: Dr. Grizelle González, U.S. Department of Agriculture, Forest Service)

- Dr. Matthew C. Larsen, Director, Smithsonian Tropical Research Institute, Panamá
- Dr. Alonso Ramírez, North Carolina State University
- Dr. James D. Ackerman, University of Puerto Rico, Río Piedras Campus
- Dr. T. Mitchell Aide, University of Puerto Rico, Río Piedras Campus
- Dr. Carla Restrepo, University of Puerto Rico, Río Piedras Campus
- Marianela Torres Rodríguez, Department of Natural Resources and Environment

3:00 – 3:20 PM: Break

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3:20 – 4:00 PM: ***Panel I – Q&A and General Discussion with General Public*** (Moderator: Dr. Grizelle González)

- Given what you heard in this panel, are you persuaded by the notion that the science done by the LTER and CN is contributing to human well-being? How so?
- How can scientists and the LTER and CN improve their role in delivering science that is relevant to improving human well-being?

4:00-6:00 PM: Exhibitors and Poster Session

Day 3 (Saturday December 8, 2018) – - Amphitheater #3 *Looking Ahead* (Overflow participants to go to Amphitheater #2, Moderator: Magaly Figueroa, (U.S. Department of Agriculture, Forest Service)

8:00 AM: Registration

8:45 - 9:00 AM: Welcome and Safety Message

9:00-9:20 AM: Results from dialogues on forest management and Puerto Rico protected areas after 2017 Hurricanes - Lissette Fas, Cafiesencia

9:20 – 9:40 AM: Government Planning Perspectives - Lcda. Tania Vázquez Rivera, Secretary, Department of Natural Resources and Environment, Puerto Rico

9:40 – 9:50 AM: Q&A with Lissette Fas and Lcda. Tania Vázquez Rivera

9:50 – 10:50 AM: **Panel II** – *What are the benefits of science education to Puerto Rican society? How can these benefits reach regional and global scales? Looking ahead to the next 100 years, what do you anticipate is the role of science education in the reinvention of Puerto Rico after the passage of hurricane María?* (10 min each) (Moderator: Alberto Mercado, State Forester, Department of Natural Resources and Environment, Puerto Rico)

- Ing. Ingrid M. Vila Biaggi, Civil and Environmental Engineer
- Carmen Guerrero, Environmental Protection Agency
- Fernando Lloveras, Para La Naturaleza
- Dr. Whendee Silver, University of California-Berkeley
- Dr. Tania del Mar López-Marrero, University of Puerto Rico, Mayagüez Campus
- Carlos Flores, Secretary of Agriculture, Commonwealth of Puerto Rico

10:50 -11:10 AM: Break

11:10-11:50 AM: **Panel II – Q&A and General Discussion with General Public** - (Moderator: Alberto Mercado)

11:50– 1:00 PM: Lunch

1:00 – 2:00 PM: **Panel III** – *What are the benefits of forest conservation by the Puerto Rico Forest Service to society? How can these benefits reach regional and global scales? Looking ahead to the next 100 years, what do you anticipate is the role of forest conservation by the Puerto Rico Forest Service in the reinvention of island after the passage of hurricane María?* (10 min each) (Moderator: Dr. Grizelle González, U.S. Department of Agriculture, Forest Service)

- Hilda Díaz Soltero, APHIS
- Alberto Mercado, State Forester, DNER
- Abel Vale, Ciudadanos del Karso
- Robert A. Viqueira Ríos, Executive Director, Protectores de Cuencas, Inc.
- Marianne Ramírez, Executive Director, Museum of Contemporary Arts, Santurce

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- Priya Parrotta, Director, Music and the Earth International

2:00 – 2:40 PM: **Panel III – Q&A and General Discussion with General Public** (Moderator: Dr. Grizelle González)

2:40 – 3:00 PM: Break

3:00 – 4:00 PM: **Panel IV– *Where should Puerto Rico be headed for the next 100 years in terms of public and private partnerships to leverage science, forest conservation, and community involvement for the benefit of human well-being?*** (Moderator: Magaly Figueroa, U.S. Department of Agriculture, Forest Service)

- Dr. Luz A. Crespo Valentin, Chief Executive Officer, Puerto Rico Science, Technology and Research Trust
- Dr. Pablo Méndez, University of Puerto Rico, Río Piedras Campus
- Dr. Elvia Meléndez-Ackerman, University of Puerto Rico, Río Piedras Campus
- Dr. Fernando Abruña, Abruña & Musgrave Architects
- Omarf Ortega, Urban and Community Council
- Betsy Acevedo, Río Hondo Community in Mayagüez

4:00 -4:30 PM: **Panel IV – Q&A and General Discussion with General Public** (Moderator: Magaly Figueroa)

4:30 – 4:50 PM **General Discussion**

4:50 – 5:00 PM Closure

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