



Inter American University of Puerto Rico
Center for Environmental Education, Conservation and Research (CECIA-IAUPR)
in collaboration with the US EPA and AIDIS

Preliminary Program

**10th CECIA-IAUPR Biennial Symposium on Potable Water Issues in Puerto Rico:
Science, Technology and Regulation**

Concurrently celebrated with the XI PR AIDIS Congress on Sanitary and Environmental Engineering

**The evolution of drinking water science over the last 20 years and the
Safe Drinking Water Act: drinking water and health**

Wednesday – February 27, 2013 (Bayamón IAUPR Campus)

07:30 - 08:15 AM Registration

08:15 - 08:30 Opening Remarks for the 10th CECIA IAUPR Symposium on Potable Water Issues

Welcome – Juan Martinez, Chancellor, Bayamon Campus

Message – Manuel Fernós, President, IAUPR

**The evolution of drinking water science over the last 20 years and the Safe Drinking Water Act:
drinking water and health**

08:30-09:15 Drinking water and health in the US, small versus big systems in the last 20 years

✓ Joy Barrett and William Hogrewe, *RCAP*

09:15-10:45 The SDWA rules evolution: the revision of the TCR

✓ Wynne Miller, *US EPA*

10:45 - 11:30 Break

11:30-12:00 PM The Ground Water Rule: estimating illness from drinking non-disinfected groundwater

✓ Shay Fout, *US EPA*

12:00-12:30 The CCL and Regulatory Determinations Evolution: balancing risks, science and perceptions

✓ Wynne Miller, *US EPA*

12:30 - 01:15 Break

Global and local perspectives: the scientific view

01:15-01:45 Zoonotic and infectious diseases: a possible threat to drinking water

✓ Vincent Hill, *CDC, USA*

01:45-02:15 Working with children: chemical contaminants and drinking water in the US

✓ Mireille B. Toledano, *Imperial College London*

02:15-02:45 Working with children: contaminated small drinking water supplies and risks of infectious intestinal diseases

✓ Paul Hunter, *East Anglia University*

02:45 - 03:00 Break

Implementation of regulations as tools to protect public health and monitoring

03:00-3:30 The road to the use of multiple indicators

✓ Gary Burlingame, *Philadelphia Water Department*

03:30-04:00 The monitoring tool: new technologies to verify efficiency of treatment and reduction of risks

✓ Jay Garland, *US EPA*

04:00-04:30 Routine testing for *Cryptosporidium* and *Giardia*: are the methods there yet?

✓ Jennifer Clancy, *Clancy Environmental*

4:30-05:00 Reclaimed water: when is it safe to drink?

Ian L. Pepper, *University of Arizona*



**2012-2013: 100th Anniversary of IAUPR
& 20th Anniversary since the creation of CECIA**

Celebrate with us 100 years of service to the community.

Thursday – February 28, 2013 (Metro IAUPR Campus)

07:30 - 08:30 AM Registration

08:30 - 09:00 Opening Remarks for the XI PR AIDIS Congress on Sanitary and Environmental Engineering

Welcome – Axel E. Nieves, President, AIDIS PR

Message by the Chancellor of Metro Campus – Marilina Wayland

Message by the President, AIDIS International – Jorge Triana

Message by the Vice President, AIDIS Region I – Enrique Cazares

Overview and Keynote XI PR AIDIS Congress

09:00-09:30 Potable water and sanitation in Latin America and the Caribbean

✓ **Jorge Triana, AIDIS**

09:30 - 09:45 Breakout (10th CECIA Potable Water Symposium & XI PR AIDIS Congress)

Potable water supplies in Latin America and the US: differences and similarities

09:45-10:15 The situation of small potable water supplies in rural America: a case study

✓ **Joseph Brown, University of London**

10:15-10:45 The struggle to make water and health for rural America a priority; the case of PR

✓ **Graciela Ramirez, CECIA**

10:45-11:15 PM The scientific community trying to make the difference: working in America and in developing countries

✓ **David Gute, Tufts University**

11:15-11:45 Mexican Strategies to Optimize Water Resources Management: Information, Simulation and Governance

✓ **Enrique Cazares, AIDIS**

11:45 - 12:30 Break

12:30-01:00 Source water protection strategies: where are we, where to go?

✓ **Gary Burlingame, Philadelphia Water Department**

01:00-01:30 Studies on the reservoirs of Puerto Rico: when quantities need to meet quality

✓ **Rafael E. Frias, Black and Veatch**

01:30-02:00 The unexpected overflow of the Valencia Lake in Venezuela

✓ **Rafael Dautant, AIDIS**

02:00 - 02:15 Break

Making the water safer: appropriate technologies to comply with the rules

02:15-02:45 Moving from stage 1 to stage 2 D/DBPR

✓ **Sharon Sweeney, Central Arkansas Water**

02:45-03:15 UV Technology for small potable water systems

✓ **Craig Patterson, USEPA**

03:15-03:45 Managing water quality in storage tanks: chemical contaminants

✓ **Onno Koelman, PAX**

Last words by the USEPA Region II and Headquarters

03:45-04:55 The road to the future - what we should be expecting in policy in the next two years for PR?

✓ **Judith Enck, Region II Regional Administrator US EPA**

The road to the future - what we should be expecting in policy in the next two years for the US?

✓ **Peter Grevatt, OGWDW Director, Headquarters US EPA**

05:00 Closing remarks