



CONSORCIO DE INVESTIGACION Y POLITICA AMBIENTAL DEL SUROESTE

SOUTHWEST CONSORTIUM FOR ENVIRONMENTAL RESEARCH & POLICY

2011 Annual Technical Conference

Arizona State University

Tempe, Arizona

January 24, 2011

7:30-8:30 Registration

8:30-9:00 Opening Remarks

9:00-10:40 Panel 1: Air Quality Issues

EH-08-02: Pilot Study of Near-Traffic Exposures in Tijuana Neighborhoods and Validation of a Traffic Exposure Questionnaire in Pregnant Women

Jenny Quintana, SDSU; Guillermo Rodríguez Ventura, UABC; Presented with Edgar Rodríguez, SDSU, and Emanuel Castillo, UABC

A-08-04: Air Quality Characterization at the Mexican Customs Inspection Area at the International Bridge of the Americas

Hector Olvera, UTEP; Humberto J. García, ITESM

EH-08-04: Investigating the Health Effects of Dust Storms in El Paso, Texas, and Ciudad Juárez, Chihuahua

Sara Grineski, UTEP; Roberto Hurtado-Jiménez, COLEF

10:40-12:50 Panel 2: Natural Resources and Water Issues

NR-09-01: Exploring Flood Risk in the Paso del Norte Region Through the Use of Hydrologic Models, Geographic Information Systems, and Remote Sensing

Chris Brown, NMSU; Alfredo Granados, UACJ; Zach Edwards, NMSU; Aldo Pinon, NMSU

NR-08-03, NR-09-02: Holocene Records of the Significance of ENSO on Vegetation and Fire Regimes in the Deserts and Semi-Arid Grasslands of the United States and Mexico

Andrea Brunelle, University of Utah; José Delgadillo Rodríguez, UABC

NR-08-01: Environmental Controls on Biofilm Development in Effluent-Dominated Waterways

Juliet Stromberg, ASU; Gilberto Solis Garza, Universidad de Sonora; Natalie Case, ASU

NR-08-02: Land Use Change in the Ejidos of the Tijuana Watershed

Kathleen Farley, SDSU; Lina Ojeda, COLEF

12:50-2:10 Lunch & Presentations from SCERP Fellowship Recipients

Fellowship: Ethnobotany of Baja California Kumiai Indians and the Construction of New Models for the Transmission of Indigenous Environmental Knowledge

Mike Wilken, SDSU

Fellowship: Renewable Energy Trading: United States-Mexico

John Kondziolka, ASU

2:10-3:00 Panel 3: Urban Planning and Quality of Life

EIR-08-03: Building Planning Capacity in the Borderlands: Creating Resilient Institutions

Francisco Lara, ASU; Claudia Gil, Municipio de Nogales

EIR-08-01: Assessment of Perceptual and Objective Quality of Life Indicators in the U.S.-Mexico Border: Towards a Border-Wide Longitudinal Database

Subrajit Guhathakurta, ASU; Sergio Peña, COLEF

3:00-5:30 Panel 4: Water

W-08-02: Water Information Websites for the New Mexico-Chihuahua Border Region

Susanna Heather Glaze, NMSU; Bobby Creel, NMSU; Alfredo Granados Olivas, UACJ

W-08-15: Sediment and Erosion in Urban Tijuana: Socioeconomic Interactions with Sediment Budgets Under Rapid Urbanization of Marginal Land

Trent Biggs, SDSU; Alberto Pombo, COLEF; Presented by Emily Perkins, SDSU

W-09-01: Selenium, Heavy Metal and Toxicity Removal by Constructed Wetlands in the Imperial Valley

Rick Gersberg, SDSU

W-08-11: Evaluation of Inexpensive Sorption Technologies for Arsenic Removal in the Arizona-Mexico Border Region

Kiril Hristovski, ASU; Presented by Robert Sandoval, ASU

W-08-01: Double Layer Absorbant Bed for Arsenic and Fluoride Removal from Groundwater

W-09-02: Uranium Removal from Drinking Water by Adsorption on Natural Zeolite

Shuguang Deng, NMSU; Alfredo Granados Olivas, UACJ