



PASI: Adaptive Water-Energy Management in the Arid Americas

Hydropolitics in International Waters

On the 1st of July Sigrid Andersen from the Federal University of Paraná, Brazil, will be working with students on the resolution of conflicts and cooperation in the management of internationally shared water resources – particularly where energy resources are important. For this, it is required that students get together in 7 groups.

It is been asked that each group prepares a short presentation (maximum 10 minutes) in power point using 5 slides. Each presentation should follow the following procedures:

- 1) Choose one transboundary river/basin or aquifer in the Americas. Present a map with its physical characteristics;
- 2) Describe, briefly, the main current international conflicts in the use of this river or aquifer. Examples: multiple uses of water including for energy and potential, scarcity (permanent or temporary), differences of aims and objectives, complex social and historical factors (prior antagonism), inadequate understanding by decision-makers of changing circumstances and scientific/technical data, asymmetric power relationship between localities, regions and nations; specific water-energy challenges such as building dams, diverting/depleting water courses, long-distance water pumping and others.
- 3) Mention what legal and institutional solutions were taken to avoid or reduce conflicts, if they exist. (Example: Bilateral and multilateral agreements, specific treaty etc).
- 4) Indicate what future energy scenario could raise great potential for international water conflicts.
- 5) References of authors/bibliographic sources.

Some suggestions of groups:

NORTH AMERICA:

Canada/United States

Great Lakes: Jenna Kroman (USA), Ismane Rosales (Mexico), David Macphee (Canadá) and Lauren Herwehe (USA).

United States/Mexico

Colorado River: Sarah Kelly (USA), Shimelis Setegam (USA), Diego Ponce (México) and Heather Lee (USA).

CENTRAL AMERICA:

The Lempa river/basin

Claudia Lardizabal (Honduras), Sandra Mejia (Nicaragua), Belize Lane (USA) and Ryan Lee (USA).



SOUTH AMERICA:

The Orinoco Basin

Venezuela-Colombian Border: Elvin Delgado (Venezuela), Ruben Dario (Colombia), Mathew Likanski (USA) and Gricielda Herrera (Ecuador).

Lake Titicaca

Bolivia/Peruvian border: Jhim Terrazas (Bo), Luiz Metzger (Peru), Roxana Bosques (Ch).

The Plata Basin

The Guarani Aquifer: Dangela Fernandes (Br), Janaina Pascual (Br), Liber Martin (Ar), Candida Dewes (USA).

The Andean Border

Chile/Bolivia: Cristoval (Ch), Collin Mckenzie (USA) and Marina Recalde (Ar).