

# Biodiversity & Ecosystem Services in Impact Assessment

Special Symposium organized by the IAIA Biodiversity & Ecology Section

7-8 February 2013 | Inter-American Development Bank | Washington , D.C.

Friday 14:30-16:00 / Session B, Room 2:  
Aquatic Biodiversity and Ecological Flows

Joerg Hartmann  
Emmanuel Boulet  
Peter Esselman  
Anne McCarthy

An aerial photograph of a river basin, showing a network of rivers and tributaries flowing through a landscape of green fields and brownish terrain. A semi-transparent grey box with a black border is overlaid on the center of the image, containing text. The text is in a bold, black, sans-serif font. The background image shows a complex network of waterways, with some larger rivers and many smaller tributaries. The colors range from dark blue/green in the water to light brown and white in the surrounding land.

## **Current issues in freshwater and coastal environments:**

- **Strategic Basin Planning and Offsets**
- **Sediment Transport /Geomorphology**
- **Fish Passage**
- **Environmental Flows**
- **River and Coastal Restoration**
- **Climate Change Adaptation**
- **Invasive Species**
- **Water Allocation**
- **Pollution**
- **etc.**

An aerial photograph of a river delta, likely the Mississippi River Delta, showing a complex network of channels and wetlands. The image is overlaid with several blue callout boxes containing text and arrows pointing to specific areas of the delta. The boxes are arranged in a roughly circular pattern around the central part of the delta. The text in the boxes discusses environmental restoration and flow management. The arrows point from the boxes to various parts of the delta, including the main channel, smaller tributaries, and the coastal plain.

Emmanuel Boulet – Lead  
Environment Specialist, IDB

Ann McCarthy - Director,  
Coastal Restoration at CSA  
Ocean Sciences Inc

Marine restoration: can we  
identify and restore marine  
ecosystem services?

Aquatic offsets: can we find  
and protect 'equivalent'  
aquatic ecosystems?

Peter C. Esselman - Assistant  
Professor of Zoology,  
Michigan State University

Environmental flows: can we establish flow  
releases that provide a reasonable balance  
between different objectives?