María Antonieta Gómez Balandra

Instituto Mexicano de Tecnología del Agua

(Mexican Institute of Water Technology)

Area of expertise: Environmental Assessment
Sector: Government and Academia

https://www.gob.mx/imta
http://posgrado.imta.edu.mx/

Technical activities:

- Evaluate environmental impacts of hydraulic Works (Dams, WWTP, Urban infrastructure)
- Participate in follow-up mitigation measures and conditionals of approved projects
- Develop Environmental Flow Strategies for projects and Integrated Basins Management.
- Participate in projects related to Water Quality, Toxic substances, Standadard development and Aquatic Invasive Plants

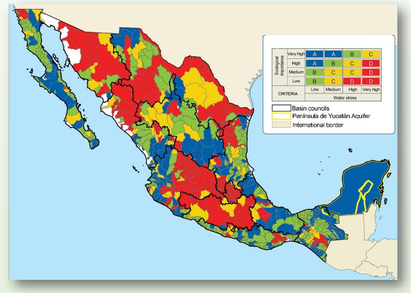
Academic activities

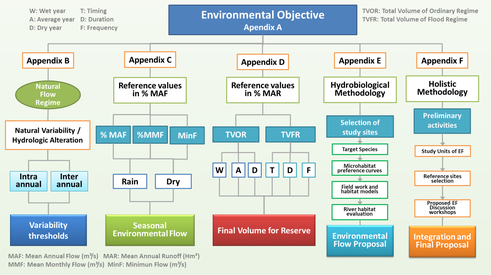
- ✓ Design technical courses
- ✓ Train people in the Environmental Sector
- ✓ Lecturer at Posgraduate programs
- ✓ Research director for students dissertations

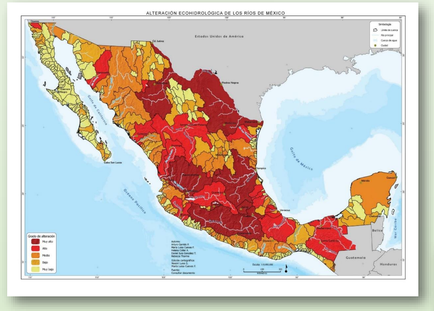
The relationship of my work with the PDS-Transdisciplinary Approaches to Integrating Policy and Science for Sustainability- is mainly due to our integration as a group, following mainly the two first approaches and eager to reach the third one:

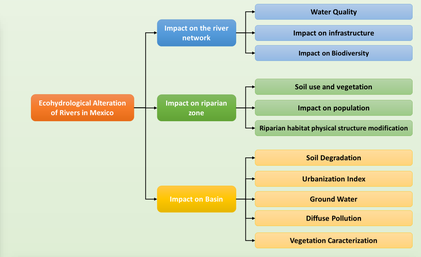
Multidisciplinary → **Interdisciplinary** ↔ **Transdisciplinary**

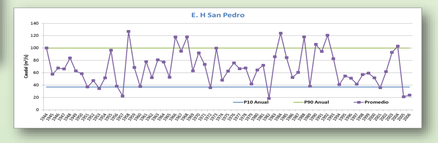
Environmental Flow Assessment





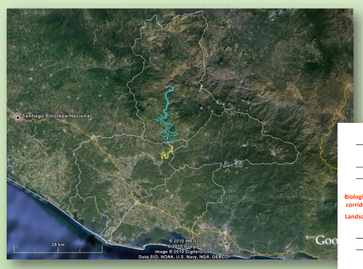


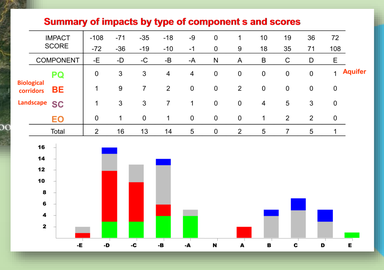




Environmental Impact Assessment

EIA Hydropower Dams & Reservoirs





Environmental Risk Assessment

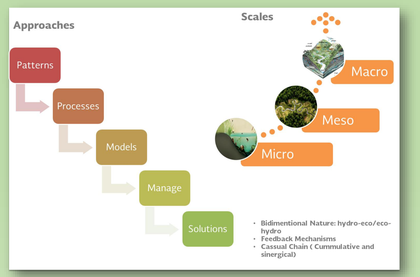
Water Quality

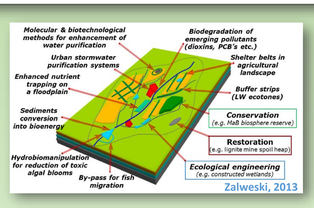
EIA WWTP & Drinking Water Facilities

Lecturing and Training

Future projects:

Ecohydrology





River restoration

Publications

Journal articles:

"Environmental Approaches during Planning and Construction Stages of Hydropower Projects in Mexico", 2015

"The Mexican Environmental Flow Standard: Scope, Application and Implementation", 2014

"Composición de la comunidad íctica de la Cuenca del Río Santiago, México, durante su desarrollo hidráulico", 2012

Book chapter:

"Influencia de la descargas de aguas residuales y su impacto en la calidad del agua de la Bahía de Acapulco, Guerrero", 2015