Impact Assessment in Higher Education and Research in Mexico

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HIGHER EDUCATION RADIOGRAPHY

- 9 FEDERAL PUBLIC UNIVERSITIES (2024)
- 126 FEDERAL TECHNOLOGICAL INSTITUTES (2024)
- 130 DECENTRALIZED TECHNOLOGICAL INSTITUTES (2024)
- 6 TECHNOLOGICAL RESEARCH CENTRES (2024)
- 16 INTERCULTURAL UNIVERSITIES (2024)
- 34 STATE PUBLIC UNIVERSITIES (2024)
- 1,587 SCHOOLS FROM 880 PRIVATE INSTITUTIONS (2002)
IMPACT ASSESSMENT IN HIGHER EDUCATION

• IA as subject in some undergraduate program.

• Not a single undergraduate program with strong relationship to impact assessment.

• Only two organizations related to impact assessment (AMIA, 2013 & COMIMPACT, 2018).

• IA teaching is focused on EIA for projects (LGEEPA, 1988)
• Not aligned to EA international best practices or foundations – restricted to Mexican guidelines for EIA (all of them outdated: 1988, 1996, 2014)

• Facilitators without any EA certification or experience

• Anyone can make an EIA
RESEARCH ON IMPACT ASSESSMENT

• Some undergraduate thesis in law, biology, architecture, civil engineering, chemical sciences, environmental engineering programs.

• Some Master thesis in law, biology, chemical sciences, civil engineering, environmental sciences, water management, environmental engineering programs.

• Some PhD thesis in law, environmental sciences, geography programs.
RESEARCH ON IMPACT ASSESSMENT – SOME EXAMPLES

• Economic, Social and Environmental Impact of the implementation of rainwater harvesting systems in two case studies. 2015. UNAM. Bachelor.

• Comprehensive diagnosis of the impacts produced by the tourism industry in Baja California Sur. 2006. Master.

• Analysis of carbon taxation in Mexico and its environmental impact. 2023. Bachelor.

• Citizen participation in the environmental impact assessment of the Mayan Train Phase 1. 2022. Master.
RESEARCH ON IMPACT ASSESSMENT – SOME EXAMPLES

• Strategic Environmental Assessment of the final disposition of residues and proposal of implementation of a sanitary fill in Xicotepec, Puebla. 2018. Bachelor.

• Strategic environmental assessment in the environmental management for the wind energy in the state of Baja California. 2012. Master.

• Integration of indexes of environmental impacts as part of a strategic environmental assessment for decision-making in the manufacturing industry. 2004. Bachelor.
RESEARCH ON IMPACT ASSESSMENT – OUR WORK


SEA CORE PRINCIPLES

- **SEA has to meet integration between environmental considerations with a high-level of country’s, state’s, region’s or municipality’s development decision-making and planning.**

- **SEA has to be performed under an effective and accessible public participation in high tiers of decision-making and planning, or at least it has to improve it.**

- **SEA has to lead to decision-making, planning, legal frameworks and mindset rearrangements in order to achieve previous principles.**
RESEARCH ON IMPACT ASSESSMENT – OUR WORK

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RESEARCH ON IMPACT ASSESSMENT – OUR WORK

• Strategic environmental assessment of the urban mobility policy of the Colima-Villa de Alvarez metropolitan area. 2020. Bachelor.
RESEARCH ON IMPACT ASSESSMENT – OUR WORK

• Identification, management proposal and sustainability appraisal for the water supply to urban and rural communities in the state of San Luis Potosí under the 2030 Agenda. (2018-2021). Research project.


• Food Security in Impact Assessment. 2021 IAIA’s Innovation Grant with Prof. Jill Blakley. (Fastips 2023, Webinar 2023, Premier 2024)
RESEARCH ON IMPACT ASSESSMENT – OUR WORK

- Quality Analysis and Methodologies for IA used in Federal EIA’s in Mexico 2003-2021. 2022. Bachelor (NF)

Lee & Colley Environmental Statement Review Package Assessment
Adapted to Mexican Context

54 different IA methodologies used in 385 studies
RESEARCH ON IMPACT ASSESSMENT – CURRENT AND FUTURE

• Quantitative Analysis of Federal EIA’s in 2007-2012. 2024. Bachelor. (Ongoing)
• Present status of the implementation of Strategic Environmental Assessment in Mexico after 10 years of the first assessment. (2024)
• Impact Assessment in AFF activities (IAIA’s AFF Section activities). (2024)
• Development of an Environmental Assessment Research Centre at University of Colima. (Future)
• Analysis of the EA research production in Mexico (thesis, papers). (Future)
• Analysis of the national EA system in Mexico. (Future)
• More SEA application in real contexts through research projects or real cases. (Future)
• Complete the Quantitative Analysis of Federal EIA’s for 2013-current. (Future)
• Development of a Software for using SEA process proposed in PhD Thesis. (Future)
• Analysis of the sub-national EA systems in Mexico. (Future)
• Development of a proposal to upgrade Mexico’s EA system. (Future)
Let’s continue the conversation!
Post questions and comments in the IAIA24 app.

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