

FRANCISCO XAVIER

FELIX MARTIN DEL CAMPO

PHD IN SUSTAINABILITY MANAGEMENT



Waterloo, Ontario, Canada



fxfelixm@uwaterloo.ca
fran_martindelcampo@hotmail.com

PERSONAL PROFILE

I describe myself as someone passionate about understanding the basics defining the relation society-environment for the global advance towards sustainable development. I strive to accomplish this through the application of systems thinking, through the use of innovative, technic and methodologic abilities, and also through interdisciplinary methods, concepts, and tools applied to sustainability management.

EDUCATION BACKGROUND

University of Waterloo (CA) 2018-2023

PHD IN SUSTAINABILITY MANAGEMENT

- Thesis: Islands at risk. Analyzing Resource-use Dynamics from a Socio-metabolic Research Perspective

École des Mines de Nantes (FR) 2014-2016

MASTER IN PROJECT MANAGEMENT FOR ENVIRONMENTAL AND ENERGY ENGINEERING

- Thesis: Energy Management model applicable to a construction company, based on the ISO 50001:2011 framework

Universidad Autónoma de Baja California (MX) 2011-2012

SPECIALIZATION IN SUSTAINABLE USE OF NATURAL RESOURCES

- Thesis: Analysis of the technical feasibility of the implementation of solar panels and wind generators in the "Punta Morro" campus of the UABC Ensenada

Universidad Autónoma de Sinaloa (MX) 2003-2008

CIVIL ENGINEERING STUDIES

PROFESSIONAL EXPERIENCE

PROMANec LTD (PT) ; PROMAN Mexico (MX) 2016-2018

CORPORATE SOCIAL RESPONSIBILITY COORDINATOR ;
CONSTRUCTION & ENVIRONMENTAL SUPERVISOR

- Development, implementation, application and follow-up of the company's CSR work plan ; Overseer of daily operations of construction & environment departments

JRGH Industrial (MX) 2013-2014

JUNIOR ENGINEER

- Modeling and detailing of steel structure, and design of potential energy savings from steel workshop production

BAUEN Construcciones (MX) 2010-2013

CONSULTANT - CONSTRUCTION SUPERVISOR

- Construction of Government Infrastructure projects

Federal Police (MX) 2009-2011

CONSULTANT - CONSTRUCTION SUPERVISOR

- Construction of Government Infrastructure projects

Desarrolladora HOMEX (MX) 2008-2009

ENTRY LEVEL - CONTRACTOR

- Real estate projects

COMPETENCES AND SKILLS

Software | Microsoft Office, ArcGIS

Tools and methods | Industrial Ecology, Material stock analysis, Material flow analysis
Sustainability | Natural resources management, Urban metabolism, Circular economy

Languages | Spanish (native), English (fluent), French (beginner)

PEER-REVIEWED PUBLICATIONS

Martin del Campo, F., Singh, S. J., Fishman, T., Noll, D., Thomas, A., & Drescher, M. (2023). "Can a small island nation build resilience? The significance of resource-use patterns and socio-metabolic risks in The Bahamas". *Journal of Industrial Ecology*, 27(2), 491-507. <https://doi.org/10.1111/jiec.13369>

Martin del Campo, F., Singh, S. J., Fishman, T., Thomas, A., & Drescher, M. (2023). "The Bahamas at risk: Material stocks, sea-level rise, and the implications for development". *Journal of Industrial Ecology*, 1-19. <https://doi.org/10.1111/jiec.13402>

Martin del Campo, F., Singh, S.J., Mijts, E. (2023). "The resource (in)sufficiency of the Caribbean: Analyzing socio-metabolic Risks (SMR) of Water, Energy, and Food". *Front. Clim.* 5:1085740. doi: 10.3389/fclim.2023.1085740

ACADEMIC PROJECTS

Energy audit of a research laboratory building at Politechnica University of Bucharest (FR) - 2015

ENERGY DEPARTMENT OF THE ÉCOLE DES MINES DE NANTES. SUPERVISOR: DR. TUDOR PRISECARU

- The purpose of this project was to perform an analysis from the point of view of an energy auditor with the aim to optimize the energy consumption within a building by analyzing the following points: Energy needed for building heating and cooling; use of solar PV panels and solar water heating technology; comparison between a centralized ventilation system vs. a decentralized one.

Techno-economical study of sustainable activated carbon production at industrial scale (FR) - 2014

ENVIRONMENTAL DEPARTMENT OF THE ÉCOLE DES MINES DE NANTES. SUPERVISOR: DR. CLAIRE GERENTE

- The project aimed to analyze an environmentally friendly and economically effective way to produce Activated Carbon at industrial scale.

Urban and sub-urban planning management proposal for 5 green areas in Ensenada, Baja California (MX) - 2012

NATURAL RESOURCES MANAGEMENT + GEOGRAPHICAL INFORMATION SYSTEMS + POLICY ANALYSIS + ENVIRONMENTAL IMPACT COURSE AT UNIVERSIDAD AUTÓNOMA DE BAJA CALIFORNIA. SUPERVISOR: DR. RICARDO EATON

- The project entitled "Green Belt" aimed at proposing 5 strategic areas within the city of Ensenada for conservation, which provided the population with environmental, health and recreational benefits such as "nature interpretative trekking".

CONFERENCES

- Speaker. "Turning the Tide - Climate Change, Social Change, and Islandness - The Second International Conference on Small Island States and Subnational Island Jurisdictions". Online event. Organizer: University of Aruba. To be held on October 2023
- Speaker. "2022 Sustainable Island Futures Symposium V". Online event held during the "International Industrial Ecology Day 2022 - Towards a Net-Zero Circular Economy". Organizer: Metabolism of Islands, SISSTEM (Sustainable Island Solutions through Science, Technology, Engineering and Mathematics), University of Aruba, International Society for Industrial Ecology. November 2022

CONFERENCES

- Speaker. "*2020 Sustainable Island Futures Symposium*". Online event. Organizer: Metabolism of Islands, SISSTEM (Sustainable Island Solutions through Science, Technology, Engineering and Mathematics), University of Aruba. December 2020
- Round table. "*Laboratorio Binacional para la Gestión Inteligente de la Sustentabilidad Energética y Formación Tecnológica - Tercera Reunión Internacional de REDES*". Organizer: Tecnológico de Monterrey + CONACyT + Secretaría de Energía + Fondo de Sustentabilidad Energética. Held in Mexico D.F. November 2019
- Speaker. "*Island States/Island Territories: Sharing Stories of Island Life, Governance and Global Engagement. The 1st International Conference on Small Island States (SIS) and Subnational Island Jurisdictions (SNIJs)*". Organizer: University of Aruba. Held in Oranjestad, Aruba. March 2019
- Speaker. "*CANSEE – Canadian Society for Ecological Economics – Engaging Economies of Change*". Organizer: CANSEE. Held in Waterloo, Ontario, Canada. April 2019.
- Speaker. "*1st Congreso Internacional de Innovación, Competitividad y Sustentabilidad*". Online event. Organizer: Universidad Autónoma de Guerrero. November 2017.

VOLUNTEERING & SOCIAL WORK

- Coordinator of key notes series "*Islands at Risk*". Joint organization: International Society for Industrial Ecology + RiskKAN – Knowledge Action Network (KAN) on Emergent Risks and Extreme Events. Member since 2023. Link: <https://is4ie.org> ; <https://www.risk-kan.org/>
- Contributor to the *International Society for Industrial Ecology (ISIE)* "*Island Industrial Ecology*" section. Member since 2020. Link: <https://is4ie.org> ; <https://is4ie.org/blog/1629>
- Collaboration to develop the *Metabolism of Islands* portal, a platform dedicated to the biophysical basis of island economies. Member since 2018. Link: <https://metabolismofislands.org/>
- Volunteer. "*VI International Congress of Land-use and Ecologic Planning*". Organizer: Universidad Autónoma de Baja California. Held in Ensenada, Baja California, Mexico. November 2011.
- Participation in campaigns to clean the beaches of Altata, Sinaloa, Mexico.
- Christmas campaign collecting toys and other items for an orphan center "Santa Eduwiges A.C." of Los Mochis, Sinaloa, Mexico.