

MITSUE ELISA GUERRERO MONSALVE

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PROFILE

Mexican Fulbright scholar from Harvard and awarded transdisciplinary design engineer and strategist expert in climate change (carbon markets, adaptation, NbS, L&D, energy, transportation, water, geoengineering), sustainable development, and circular economy. Ample experience in diverse sectors in corporate, design studios, NGOs, government institutions, universities and public utilities using design methodologies with science-based targets, and a systems-thinking approach.

PROFESSIONAL EXPERIENCE

MCKINSEY & CO.

Jan 2023 - Present

Associate Design Director for Circular Design

Stockholm, Sweden

- Design the product strategy and merge of McKinsey's two main climate finance software for spatial assessment of physical hazards and financial assessment of transition risks.
- Designed circular and sustainable innovations in the digital, industrial, and service design space for clients in the automotive, energy, fashion, private equity, transportation, packaging, and food industries.
- Led the assessment of environmental impact (LCAs, water footprint, carbon, cost, and circularity) including reputational analysis through claims and cost of current and future climate policies.
- Developed first of a kind circular design principles and integrated them as calculator connected to BOM in McKinsey's main software for emission reduction pathways, Catalyst Zero Product.

UNITED NATIONS CLIMATE CHANGE SECRETARIAT (UNFCCC)

Jul 2021 – Jan 2023

Adaptation Programme Response Subdivision Consultant

Bonn, Germany

- Introduced the use and adoption of strategic design and systems thinking methodologies for complex problems for the National Adaptation Plans (NAPs) unit, Least Developed Countries Expert Group (LEG) and Loss and Damage team.
- Led the development of interactive data projects for analysis of the climate change adaptation progress and support of the Least Developed Countries.
- Led the development of the digital platforms of NAP Central, UN for NAPs, and Open NAP initiative to increase accessibility and information transparency and knowledge management.
- Collaborated in the communication of the iFrame systemic approach to NAPs, Paris Agreement Aligned Training, Open (source) NAP initiative, NAP Progress Report 2021, 20 years of Adaptation Support to LDCs, etc.

FUTURE OF CLIMATE COOPERATION

Sep 2022 – Nov 2022

Brand Builder and Digital Designer

Oxford, UK

- Designed and structured the digital site of future of climate cooperation with bespoke code.
- Created brand and guidelines.

WWF GLOBAL CLIMATE AND ENERGY PRACTICE

Oct 2020 – Jul 2021

Initiative Innovation Strategist and Knowledge Manager

Cambridge, U.S.A.

- Knowledge management services for the Climate and Energy Practice. Strategic design, innovation workshops, tools for knowledge transfer and discussions applied for various teams including: the Carbon Markets Taskforce, the Oil & Gas Network Policy, the 6 Areas of Collective Action and Innovation, the Marrakech Partnership, and the Global offices' Focal Points alignment meeting.
- Co-design of the concept for the Africa Adaptation Hub with a focus on Nature-based Solutions for

Climate Adaptation. Developing the value proposition and sustainable financial model. Co-creating the NBS4A standards and an incubator & accelerator for Nbs4A at the cross-boundary landscape level.

- Support of the Africa Energy Access Initiative to create a theory of change, communication materials, and governance structure. Analysis of energy policies of 7 different African countries.

TEC DE MONTERREY (ITESM)

Feb 2021 – Jun 2021

Professor / Design Methodologies & Systems theory for the Water Economy

Leon, Mexico

MAYDAY.EARTH

Jun 2020 – Dec 2020

Design Lead / Geoengineering Digital Educational Platform

New York, U.S.A.

- Designed and developed the digital educational platform.

RE+COLLECTIVE

May 2020 – Dec 2020

Co-Founder and Product Lead / Community Resilience to Climate Change

Cambridge, U.S.A.

- Product management of the civic-tech digital platform connecting people and data to close the last-mile disaster relief gap currently funded by a \$1M grant from the National Science Foundation.

WWF GLOBAL CLIMATE AND ENERGY PRACTICE

Jun 2019 - Dec 2019

Africa Energy Access Initiative Design Strategist Intern

Uganda, Tanzania, Kenya, and Madagascar

- Developed a proposal for the Africa Energy Access Initiative through a close collaboration with the WWF Global Climate and Energy Practice and eight WWF African offices. Performed a systemic analysis of WWF local initiatives, work from other organizations, and countries' contexts to identify potential opportunity areas for a high impact initiative, including funding and collaboration opportunities
- Used CMP Open Standards (adaptive management model for conservation projects) to develop a conceptual model and used design research tools through the review of 120 published reports and 42 interviews to Government (Energy Ministers), Private Sector Associations, Multi and Bilateral DFIs, etc.
- Produced three option papers recommending strategic interventions for a high impact initiative, eight fact sheets assessing each country's energy access situation, and gave a presentation to the steering committee formed by the COP 20 president, to bridge knowledge between international, regional, and local initiatives.

SBB SAVITZKY BRAND BUILDING

Feb 2017 - Aug 2018

Lead Design Strategist

Mexico City, Mexico

- Led a team of design researchers developing projects for Aeromexico, Samsung, EON Virtual Reality, Club premier, Hoteles City Express, WWF, Uber, etc. using a wide range of activities (Human Centered Design, workshops, insight translation, data interpretation, costs proposals, Agile, SCRUM, PMBOK, etc.)

+ OTHER BUSINESS AND DESIGN CONSULTANCIES

EDUCATION

HARVARD UNIVERSITY

2018-2020

Master in Design Engineering

Cambridge, U.S.A.

- Graduate Consortium on Energy and the Environment - Member
- Harvard Climate Leaders Program - Member
- Circular Economy Symposium at Harvard – Organizer
- Student Climate Change Conference at Harvard – Designer

Relevant coursework: Management in developing contexts, International environmental law, R for data science, Geoengineering, Economic complexity and collective learning, Energy technology, Transportation policy and planning, the U.S. energy-climate challenge, Water, sanitation and hygiene, Sustainable cities and resilient infrastructure investments, Leadership for environmental conflicts, Decarbonizing mobility.

OXFORD UNIVERSITY – OXFORD CLIMATE SOCIETY**2023**The Michaelmas 2023 School of Climate Change Certification Leon, Mexico

· 8 week course with certificate on climate change, nature and biodiversity science, policy and philosophy.

TEC DE MONTERREY (ITESM)**2012-2016**B. A. in Industrial Design

Leon, Mexico

· Society of Anonymous Designers (SODA) - President

Relevant coursework: Ethnography and design research, User-centered design, Service Design, Advanced prototyping, Manufacturing processes, Project management certification & risk evaluation, Systems design.**HOGESCHOOL WEST-VLAANDEREN (HOWEST)****2016**Digital Creative Projects in Product Design

Exchange Student in Kortrijk, Belgium

ESCOLA SUPERIOR DE DISSENY I ENGINYERIA DE BARCELONA (ELISAVA)**2015**Furniture Design, 3D Modelling, and Design Trends & Forecasting

Exchange Student in Barcelona, Spain

ELLEN MACARTHUR FOUNDATION**2020**Circular Pioneer / From Linear to Circular Program

Remote course and certification

GLOBAL COMISSION ON ADAPTATION AND UNIVERSITY OF GRONINGEN**2021**Making Global Adaptation Happen (Policy)

Remote course and certification

+ OTHER COURSES AND CERTIFICATIONS** TALKS, AWARDS, & PUBLICATIONS****CIRCULAR DESIGN FOR THE CITY****Sep 2024**

· Universidad Veracruzana

Veracruz, Mexico

SEMINAR CIRCULAR ECONOMY: ACTIONS IN CONTRIBUTION TO SUST. DEV.**Nov 2023**

· Latin American and Caribbean Economic System (SELA)

Caracas, Venezuela

DESIGNING FOR SYSTEMS AND THE CIRCULAR ECONOMY**Sep 2021**

· Parsons, The New School, Strategic Design and Management (BBA)

New York, U.S.A.

CLIMATE AND SUSTAINABILITY**Sep 2021**

· CEDIM, Industrial Design and product Development

Monterrey, Mexico

ENVIRONMENTAL DYNAMICS THROUGH THE LENS OF THE COVID-19 PANDEMIC**Mar 2021**

· Faculty of Global Studies Anahuac University

Mexico City, Mexico

TOWARDS DESIGN DRIVEN INNOVATION PANEL**Dec 2020**

· Tec de Monterrey Campus Monterrey

Monterrey, Mexico

STRATEGIC DESIGN ENGINEERING & SUSTAINABILITY**Oct 2020**

· Programa Hábitat for Tec de Monterrey Campus Leon

Leon, Mexico

HARVARD ALUMNI FOR CLIMATE AND THE ENVIRONMENT (HACE)**May 2020**

· Harvard University

Cambridge, USA

BIO DESIGN CHALLENGE - FINALIST presentation at MOMA & MIT**Jun 2019**

· Presented Morpho, a VOC filter agent through iridescence colloids technology

New York City, USA