

LENAIG MOIGN

ECOLOGIST AND CARTOGRAPHER

SPECIALIZATION IN MARINE AND COASTAL ECOSYSTEMS

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Currently a geography engineer at the IRD in Senegal, I am researching a thesis on coastal socio-ecosystems in Africa. My goal is to continue field work while using data analysis tools, particularly in geomatics and statistics.

SKILLS

Scientific knowledge of tropical ecosystems; naturalist skills; ability to work outdoors under difficult conditions

Laboratory techniques: seawater, soil, marine flora and fauna analyses, molecular biology and bacteriology analyses, dissections (dolphins, turtles), on-board analyses at sea

Ability to work in a team, with colleagues in functional contact (technical and/or scientific management), and in a network with experts in a multi-cultural context

SOFTWARE

Statistics: R software, Rstudio, RMark
Down and GitHub
Geomatics: qGIS and ENVI
Sociological surveys: Sphinx
Modeling: STELLA
Communication: Indesign, WordPress
Collaborative tools: Teams, Slack
Project management: Gantt

REFERENCES

Pierre MORAND : IRD researcher in biostatistics and IRD representative in Senegal - pierre.morand@ird.fr

Emina MAMACA: IFREMER researcher in marine chemistry
emina.mamaca@ifremer.fr

LANGUAGES

English B2
Guadeloupean Creole; Wolof (A2)

HOBBIES

Sports : running, fitness, swimming
Public speaking (ToastMasters Club);
Reading (scientific and thrillers);
Local community involvement,
cultural exchanges and activism

Geography engineer, society & environment

October 2022 - December 2024

Research Institute for Development (IRD Senegal), UMI SOURCE-UVSQ

- Scientific animation of the laboratory : support for UMI members in their work on coastal and estuarine socio-ecosystems in Senegal; organization of conferences and training in geomatics and statistics; logistical and budgetary management of the local branch of UMI SOURCE.
- Creation of a national coastal observatory (ONL) with the BRLi research office (WACA project, World Bank); technical expertise; facilitation of multi-stakeholder meetings and mediation.

Maritime Public Policy Officer

October 2020 - October 2022

Guadeloupe Sea Directorate (DM Guadeloupe)

- Ecological diagnosis of all beaches using a dedicated analysis grid; establishment of the ecological vulnerability of the sites; restitution of the results to the mayors to co-construct a Maritime Public Domain Management Strategy (MPDM) and define action priorities.
- Maritime public domain police : beach management, protection of sea turtles, mapping of illegal works with the CREOCEAN design office, projects with the Guadeloupe National Park

Sea Coastal Sport Mission Officer

September 2019 - September 2020

Ministry of Sports, National School of Sailing and Water Sports (ENVSQ, Quiberon)

- Construction of an educational tool to integrate an environmental education component into the training of sports instructors in the nautical field (BJPES Surf, Diving, Kitesurf, Kayak, etc.)
- Animation of a network of "Sport sea coast" actors (OFB, Ministries) and organization of seminars; technical expertise on the issues surrounding coastal ecology and reconciliation with nature sports.

Before September 2020 (study internships)

Mapping of essential Mediterranean fish habitats and management measures

Septentrion Environnement (Marine Biologist Divers Association, Marseille)

Measurements of the physicochemical and biological quality of Mediterranean waters

Banyuls Oceanographic Observatory: daily sea embarkations and laboratory analyses

Quantification of microplastics in marine invertebrates NGO Archipelagos, Greece

ACADEMIC CAREER

MASTER 2 IN ECOLOGICAL ENGINEERING AND BIODIVERSITY MANAGEMENT

UNIVERSITY OF MONTPELLIER (2019-2020)

Training as a professional ecological engineer, natural space manager profile: legislation, monitoring techniques, territorial mediation, promotion of biodiversity, popularization, etc.

MASTER 1 EARTH SCIENCE, PLANETS, ENVIRONMENT

CLASS VALEDICTORIAN

UNIVERSITY OF NANTES (2018-2019)

Training as a general ecological engineer with a specialization in geomatics (cartography and remote sensing) and focused on marine and coastal environments.

TECHNICAL FRAMEWORK SPECIALTY ENGINEERING

CLASS VALEDICTORIAN

OF THE MARINE ENVIRONMENT - CNAM INTECHMER (2015-2018)

Multidisciplinary training on the marine environment with a technical focus: on-board work at sea, work on the coast and in the laboratory. Specialty: coastal development, GIS, marine ecotoxicology, impact studies, environmental law, maritime law, sustainable development in the marine environment, etc.

OTHER PROFESSIONAL EXPERIENCES

Member of the **Xewel ToastMasters Club** Board: preparation of bi-monthly speaking sessions.

Active member of **local environmental protection associations**: organization of waste collections and production of a short documentary film (CRAC de Bargny, Surfrider Senegal).

European Ambassador, Eurocean's Youth: political advocacy actions for the ecological transition of maritime transport. Bibliographic research followed by training in media communication, with interventions at international events, in collaboration with the Ministry of the Sea and Surfrider.

Treasurer for Salon de l'Ecologie (2019), Montpellier: search for subsidies, sponsors and management of financing for the event (8000 visitors).

BAFA facilitator, Science & Technology option: multiple experiences in Environmental Education and Sustainable Development since 2016 (including underwater hikes and educational outings on the coast).

Volunteering, Alliance Française de Dar es Salaam (Tanzania): leading linguistic and cultural activities for local communities.