CURRICULUM VITAE ET STUDIORUM

Vincent GEORGES

PERSONAL DETAILS

Date of Birth: --------------
Address: --------------
Nationality: French
Languages spoken: French, English, Italian
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MOST RELEVANT EXPERIENCES

March 2022 – September 2023 (Ongoing)

Research Contract on ABIOMMED Project: "Support Coherent and Coordinated Assessment of Biodiversity and Measures across the Mediterranean for the next 6-year cycle of MSFD implementation" with CONISMA / IRBIM-CNR, Italy

Application of Bio-Economic models on Italian fisheries in R, to advise stakeholders on potential Fisheries-restricted areas, within the ABIOMMED project. Data collection from different sources (Scientific surveys, satellite data, VMS data, Digital Terrain data). Data analysis and application of the SMART Modelling framework. Treatment of Spatial data using GIS software (R, QGIS).

July 2021 - December 2021

Research assistant on fisheries & Vulnerable Marine Ecosystems data analysis at IFREMER's Deep-sea environments Laboratory (LEP) in Plouzané, France.

Creation of a standardized procedure to estimate fishing pressure on the seabed from VMS datasets in R. Quantifying the impact and associated uncertainty of French bottom fisheries within the Marine Strategy Framework Directive, through fishing gears model development and application. Creation of an indicator of fishing pressure on Vulnerable Marine Ecosystems (VME) to assess the Good Environmental Status.

January 2021 - July 2021

Internship at IFREMER Mediterranean Fisheries Sciences Laboratory / UMR MARBEC in Sète, France.

Modeling the potential habitat of VME indicator species *Isidella elongata* in the Mediterranean Sea using an Ensemble of species distribution modeling algorithms (e.g., Generalized Additive Models & RandomForest). Analysis of risk of fishing and climate change impacts using IPCC climate scenarios. R

programming and treatment of large datasets of biological and environmental data sources (MEDITS trawling surveys, ROV surveys, Satellite data). Scientific article redaction.

March-June 2020

Internship at the Institute for Marine and Antarctic Studies in Hobart, Australia

Data extraction and comparative analysis of sampling methods around the Pine Island Glacier in the Southern Ocean. Treatment and tidying of large various *in situ* and satellite datasets using R and GIS. Scientific communication via poster.

EDUCATION

September 2019 - July 2021

Master's degree in Marine sciences at Sorbonne Université, Paris.

Fundamental and advanced courses on marine ecology, oceanography (physics and biogeochemistry), Statistical analysis and Modeling, Geographical Information Systems & Fisheries science. Dissertation: "Modelling and Mapping of the habitat suitability of the endangered bamboo coral Isidella elongata to aid conservation of Vulnerable Marine Ecosystems at Mediterranean scale." Score 11.83/20

September 2016 - June 2016

Bachelor's degree in Biology at Sorbonne Université, Paris.

Fundamentals in Biology of organisms, ecology, biostatistics, and R programming. Score: 12/20

OTHER EXPERIENCES

September 2021

16th Deep Sea Biology Symposium Oceanopolis, Brest, France

 Member of the local organizing committee of an international symposium on deep-sea biology.

September - October 2020

Marine Institute of Villefranche-sur-Mer (IMEV), France 6 weeks project on acquiring, tidying, and analyzing biological and oceanographic data, with R programming, multivariate analysis, and participation in a scientific cruise in the Ligurian sea

July 2019

ECOMED summer school, Banyuls-Sur-Mer, France

The practice of 3-week field courses in Mediterranean benthic ecology, sampling from the scientific vessel.

March-June 2017

Scientific communication project with UMR BOREA, Paris France

Communicating around The POKER4 scientific fishing survey in the Kerguelen Islands.

SKILLS

Highly experienced in R programming and treatment of large spatial datasets. Geostatistics & numerical ecology. Species Distribution Modeling experience using an ensemble of modeling algorithms (Generalized Additive Models, RandomForest, Generalized Linear Models, Autonomous Neural Networks). Experienced in GIS and Map making using QGIS. Experience in scientific redaction, very curious about learning new methods. Fluent in French and English, Italian spoken well, basics in Spanish and german

PUBLICATIONS

Georges Vincent, Begot Eric, Duchene Julie, Fabri Marie-Claire, Laffargue Pascal, Leblond Emilie, Rodriguez Julien, Vaz Sandrine, Woillez Mathieu, Menot Lenaick (2021). Développement d'un indicateur d'abrasion des fonds marins par les arts de pêche trainants pour l'évaluation du bon état écologique des habitats benthiques. REM/EEP/LEP 2021-04. https://doi.org/10.13155/85532 (French scientific report)

Menot L, Fabri M.-C., Vaz S., 2022. : Méthodologie pour le calcul des indicateurs de l'objectif environnemental D01-HB-OE10 visant à éviter l'abrasion et l'étouffement des zones les plus représentatives des habitats profonds et réduire l'abrasion des structures géomorphologiques particulières (2ème cycle de la DCSMM). Ifremer. REM/BEEP/LEP/2022.02. 44 p.

Papers in preparation

Identifying and mapping Isidella elongata habitat refugia under future climate change and fishing impacts to aid conservation of Mediterranean Vulnerable Marine Ecosystems

Quantifying uncertainty in marine spatial assessments: a bootstrap approach