



I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di Scienze e Politiche Ambientali**

Scientist- in - charge: **Professor Rubolini**

## CLAIRBAUX MANON

### CURRICULUM VITAE

#### PERSONAL INFORMATION

Surname	CLAIRBAUX
Name	MANON
Date of birth	18/03/1994

#### PRESENT OCCUPATION

Appointment	Structure
PhD Student	University of Montpellier, hosted at the CEFE (Center for Evolutionary and Functional Ecology )-CNRS (FRANCE)

#### EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	Specific three years undergraduate program to prepare competitive exam for admission to French Engineering or Veterinarian Schools	Lycée Thiers, Marseille (FRANCE)	2014
Specialization			
PhD	Functional ecology	University of Montpellier, (FRANCE)	2020
Master	Environmental Science and Engineering / Management of Natural Environnement	ENSAIA (Higher National Engineering School of Agronomy and Food Industries), University of Lorraine and AgroParisTech Nancy (FRANCE)	2017

#### REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date of registration	Association	City
December 2018	Member of the student animation committee of the CEFE-CNRS	Montpellier (FRANCE)



## FOREIGN LANGUAGES

Languages	level of knowledge
French	Mother tongue
English	TOEIC Level C2
Spanish	DELE Level B1

## TRAINING OR RESEARCH ACTIVITY

description of activity	
2017-2020	<p>PhD supervised by David Grémillet: “Energetic landscapes of North Atlantic wintering seabirds in a climate change context.” University of Montpellier - Center for Evolutionary and Functional Ecology (CEFE-CNRS)</p> <p>Activity: I used opportunistic occurrences and GLS data (1500 individuals from 39 colonies) 1) to determine current winter distribution of 5 seabird species, 2) to identify the drivers of those distributions modelling energyscape and prey abundance, and project the mathematical link obtained under future climatic scenarios, 3) to investigate future migratory strategies, 4) to explore seabird exposure to North Atlantic winter storms</p> <p>Skills: R software (Particularly spatial packages and habitat suitability models: GLM, RSF, and biomod2), QGIS software, NicheMapper software (energyscape calculation), BRB-MKDE software (kernel calculation), Bastrack software (analysis of raw light data from GLS device)</p> <p>Training: Research ethics and scientific integrity training</p>
July 2018-2019	<p>4 to 6 weeks of fieldwork in East Greenland to work on little auks for the ADACLIM project (Responses of Arctic marine bird to environmental constraints in the context of climate change-Paul Emile Victor French Polar Institute).</p> <p>Activity: Seabird capture and handling, deployment of GLS/GPS/accelerometers, ringing, morphometric measurements (adults and chicks), blood sampling, re-sighting experiment</p> <p>Skills: related to the activities, able to work in team and live in a remote place</p>
March 2017	<p>Six months internship supervised by Thomas Trancart, Anthony Acou, Eric Feunteun and Alexandre Carpentier: “Escapement strategies of European silver eels from plain lake with constraints for ichthyofauna’s movements.” CRESCO-MNHN, Dinard</p> <p>Activity: I used tracking data to build trajectories of silver eels during the migration period to conclude on the impact of the lake’s dam. Analysis of movement patterns. Finally, I conducted interviews with different stakeholders to find a trade-off between the lake exploitation and the silver eels escapement.</p> <p>Skills: R software (Particularly spatial packages), QGIS software</p>
2017-2016	<p>Training: AgroParisTech (Paris Institute of technology for life, food and environmental sciences), last year of the engineering cursus specializing in Management of natural environments, Nancy.</p> <p>Courses in ecosystems functioning, fauna and flora inventory, bio-statistics, environmental legislation</p>



June 2016	Three months of fieldwork supervised by Laetitia Becker working on top and mesopredators distributions in the boreal forest-Deep Karelia, Nurmijärvi, Finland Activity: I made transects collecting prints, feces, hairs, carcasses of preys to build an occurrence database. Skills: Prints identification, QGIS software, able to work in team and live in a remote place
2014-2016	Training: ENSAIA (Higher National Engineering School of Agronomy and Food Industries), specializing in Agronomy and Environmental Science and Engineering, Nancy. Courses in agrosystems and ecosystems functioning
2011-2014	Training: Specific three years undergraduate program to prepare competitive exam for admission to French Engineering or Veterinarian Schools, Lycée Thiers, Marseille. Courses in biology, geology, mathematics, physic and chemistry

## CONGRESSES AND SEMINARS

Date	Title	Place
November 2020	“Climate change impacts on the North Atlantic Ocean seabird community during winter”, Migration conference”	Video Conference
November 2019	“Climate change impacts on multi-species seabird wintering hotspots in the North Atlantic Ocean- An energyscape approach.”, SEATRACK Workshop	Video Conference
May 2019	“From light to energy expenditures”, PhD students day of the CEFE	Montpellier (FRANCE)
October 2018	“Future flights across the Arctic basin: Will climate change overturn bird migration?”, International Conference on Ecological Science, SFE2	Rennes (FRANCE)

## PUBLICATIONS

Articles in reviews
Clairbaux, M., Fort, J., Mathewson, P., Porter, W., Strøm, H., & Grémillet, D. (2019). Climate change could overturn bird migration: Transarctic flights and high-latitude residency in a sea ice free Arctic. <i>Scientific Reports</i> , 9(1), 17767. doi: <a href="https://doi.org/10.1038/s41598-019-54228-5">10.1038/s41598-019-54228-5</a>
Clairbaux M, Cheung W, Mathewson P, Porter W, Courbin N, ...,Grémillet D. Meeting Paris agreement objectives will temper seabird winter distribution shifts in the North Atlantic Ocean. Under review in <i>Global Change Biology</i> .



Congress proceedings
PhD Student day, CEFE-CNRS, Montpellier, 2018

**OTHER INFORMATION**

October-December 2018: Teaching integrative biology to first-year bachelor students through directed studies and practical works (32h).
Reviewer for Marine Ecology Progress Series and PlosOne
Involved in outreach activities: Coming soon: Participation to “My thesis in comic” workshop organized by the doctoral college of Montpellier October 2019: Presentation of my thesis work to a large audience public during the “Fête de la Science” event May 2019: Presentation of my thesis work to children during the French Polar week, APECS France  In the media: Vanishing sea ice in the Arctic could shake up seabird migrations: <a href="https://news.mongabay.com/2019/12/vanishing-sea-ice-could-shake-up-bird-migrations/">https://news.mongabay.com/2019/12/vanishing-sea-ice-could-shake-up-bird-migrations/</a>
First-aid training (PSC1) in 2019
Driver’s license

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Place and date: MONTPELLIER, 27/09/2020

SIGNATURE

