Europass
Curriculum Vitae
Personal information

First name(s) / Surname(s)	Fabienne Regina Francina Horneman
Nationality	Dutch
Date of birth	29 / 08 / 1998
Gender	Female

Desired employment / Occupational field

PhD candidate in Environmental Sciences

Work experience

Dates	09/2023 – present
Occupation or position held	PhD Candidate
Main activities and responsibilities	Research activities within the REST-COAST project in collaboration with the CMCC@Ca'Foscari, focusing 1) the identification of indicators for NBS effectiveness; 2) the modelling of risk reduction through NBS, and 3) the creation of adaption pathways for the Venice lagoon. With a particular focus on the restoration of saltmarshes as NBS intervention, and their influence on erosion reduction, flood control, water quality purification, carbon sequestration and biodiversity.
Name and address of employer	Università Ca'Foscari Venezia
Dates	08/2022 – 08/2023
Occupation or position held	Research fellow
Main activities and responsibilities	Research activities within the REST-COAST project, focusing 1) the identification of indicators for NBS success, 2) the implementation of a monitoring network for the Venice pilot site, 3) the harmonisation between different beneficiaries in the Venice pilot, 4) the collaboration with other pilot sites, 5) ecosystem service mapping
Name and address of employer	CMCC@Ca'Foscari
Dates	01/2022 – 07/2022
Occupation or position held	Intern
Main activities and responsibilities	Research activities within the REST-COAST project, focusing 1) on the mapping of ecosystem services provided by the Venice lagoon in accordance with EUNIS to facilitate harmonisation, and 2) the identification of NbS success factors.
Name and address of employer	CMCC@Ca'Foscari
Type of business or sector	Research foundation
Dates	05/2021 – 07/2021
Occupation or position held	Intern
Main activities and responsibilities	Research activities related to the analysis of historical fire weather in Alpes Maritimes, Var and Bouches du Rhône, using climatic variables to calculate fire weather indices and testing for trends and changes in Rstudio (Grade: 18.5/20)
Name and address of employer	Université Côte d'Azur
Type of business or sector	Academia

Dates	12/2019 – 09/2020
Occupation or position held	Student assistant
Main activities and responsibilities	Digitalisation of water and soil samples in the Netherlands, and subsequent analysis of data techniques and data validation.
Name and address of employer	TNO (Toegepast Natuurwetenschappelijk Onderzoek) Utrecht
Type of business or sector	Research
Dates	02/2019 – 08/2019
Occupation or position held	Waitress
Main activities and responsibilities	Serving food and drinks, keeping the main areas clear and helping customers
Name and address of employer	Holland Casino
Type of business or sector	Casino
Dates	01/2019 – 02/2019
Occupation or position held	Recruiter
Main activities and responsibilities	Discussing the impact of land use on human health and the climate with people and introducing them to Milieuorganisatie a Dutch NGO.
Name and address of employer	Credo
Type of business or sector	Recruitment
Dates	11/2014 – 09/2017
Occupation or position held	Waitress
Main activities and responsibilities	Serving food and drinks, keeping the main areas clear, preparing evening schedules, training new employees.
Name and address of employer	Totzo! Eten en Drinken
Type of business or sector	Restaurant

Education and training

Dates	September 2020 – July 2022
Title of qualification awarded	M.Sc. Environmental hazards and risks management Graduated with highest honours
Principal subjects/occupational skills covered	The M.Sc. combines recent research with GIS and remote sensing technologies to train a generation of thinkers capable of anticipating and mitigating a wide range of natural hazards in a multi-disciplinary approach. On completion, participants will have a comprehensive understanding of risk management components such as planning, mitigation, monitoring, scenario modelling and warning systems. ● Software taught Python, Rstudio, ArcGIS, Terrset, Gama, and HEC-HMS ● Full list of courses covered in Annex
Name and type of organisation providing education and training	Université Côte d'Azur
Level in national or international classification	Level 4: Master of science

Dates	September 2017 – July 2020
Title of qualification awarded	B.Sc. Global Sustainability science
Principal subjects/occupational skills covered	Balance between natural and social-science, acquireing understanding of natural, biochemical and hydrological processes linked to socio-economic processes in order to contribute to solving sustainability issues. The program stresses team-work and communication, while linking the theoretical with the practical through interdisciplinary projects with practitioners and consultancy companies.

- Major: Water, Climate, Ecosystems
- Minor: Governance and Societal Transformations
- academic writing and presenting, discourse analysis, stakeholder analysis, NVIVO, SPSS, GIS, Surveys, Excel

Name and type of organisation providing education and training	Utrecht University
Level in national or international classification	Level 4: Bachelor of science

Personal skills and competences

Mother tongue(s)	**Dutch**

Other language(s)

Self-assessment

European level (*)

	Understanding				Speaking				Writing	
	Listening		Reading		Spoken interaction		Spoken production			
English	C1		C1		C1		C1		C1	
Spanish	B1		B1		A2		A2		A2	
Italian	B2		B2		B1		B1		B1	

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences	Having worked for most of my adolescence and adult life helped me develop strong social skills and the ability to adapt to a variety of social settings. An essential part of this is the communication between different people and the ability to understand their perspectives. Additionally, during my B.Sc. I was chair of the photo-committee. This role not only helped me develop organisational skills, but also brought me into contact with a large variety of different people and enhanced teamwork efforts.

In addition, I have worked a variety of voluntary jobs of which two involved working with children, i.e. swimming instructor and summer camp counsellor. These jobs were both challenging and satisfactory as they require patience and empathy, as well as the ability to understand the relationships between different children. Through these jobs I developed the ability to communicate clearly. |

Organisational skills and competences	Other than my time as chair of the photo committee there are two projects that I participated in during my B.Sc. that underline my organisational skills

- <u>MOVE</u> (10/2019 – 04/2020): MOVE is an organisation that works with university students and elementary school children to create projects in the community. Through these projects the children are exposed to society and encouraged to find their ownership. Within the project I participated in I oversaw the organisation of the university students, planning the meetings, and the communication with the school and municipality. As a result of this project the elementary children together with the municipality worked on the development of a tiny forest to help make the neighbourhood green.
- <u>Sustainability working group</u> (03/2019 – 03/2020): In the beginning of 2019, we realised that our student association was a green bubble and to expand our knowledge to other parties we created a new working group with the aim of sharing information outside of our sustainability bachelors. This working group is now a transformed into a committee of the STORM study association. As founding member of this working group, I oversaw the organisation of meetings, the planning of activities and the involvement of new people. This was a challenging process as the working group was set up to be open for all and therefore could not rely on the traditional structure of role division as seen within committees. During my involvement the working group was able to prepare and give some lessons regarding sustainability on high schools.

Additionally, at the end of 2023 I joined the Global Shapers Venice hub. The Global Shapers organise different projects, both locally at the hubs as well as nationally or even global through interhub collaborations. These projects are of various natures, and aim at inspiring and enabling young-people to drive positive change in their communities. Each project has different organisational needs, and allows for the development of various types of skills.

Technical skills and competences	Next to the skills required during my studies, I followed a variety of additional courses (summer and online). Each building my knowledge and ability to perform specific tasks.

- **Artificial intelligence for Earth observation**
  EUMETSAT (10/2021 – 12/2021): Monitoring Earth using remote sensing and in-situ measurements advanced by <u>machine learning</u> and artificial intelligence. The course aimed to provide an overview of different machine learning techniques and tutorials for applying these in <u>JUPYTER Notebook.</u>
- **Satellite Observation and Tools for Fire Risk Detection, and Analysis**
  NASA (05/2021). Application and methods for monitoring pre-, during and post-fire conditions (weather and climate, fuel characterisation, fire risk, smoke detection, monitoring, forcasting, fire behaviour and post-fire landscape) using <u>remote sensing</u>.
- ***Climate change mitigation in development countries***
  University of Cape Town (12/2019 – 01/2020): Articulate the complexity of global mitigation, introduce methods and tools for change including stakeholders and co-production of knowledge.
- **Bodem, water, atmosfeer**
  Wageningen university and research (10/2016 - 11/2016). Introductory course B.Sc. soil, water, atmosphere for high school students.
- **Landschapsarchitectuur**
  Wageningen universtiy and research (07/2016). Summer course for high school students in landscape architecture
- Global student leadership summit: human rights (06/2016)
- Modelled united nations at Alfrink Collage (02/2016)

Computer skills and competences	During my studies I developed theoretical and practical skills using: ● GIS (visualisation, spatial mapping, data processing and analysis) ● RStudio (data analysis, data organisation, statistics, extreme events, machine learning and model development) ● Remote sensing (data acquisition, data processing, data application) ● Terrset (LUCC modelling) ● HEC-HMS & HEC-RAS (Hydrological modelling) ● Jupyter Notebook and python ● Stella (System thinking and visualisation) ● Excel (Data organisation)
Artistic skills and competences	
Other skills and competences	
Driving licence	Yes, obtained 2017 in the Netherlands (AM and B)
Additional information	In line with my M.Sc. master thesis and internship at CMCC@Ca'Foscari I participated in the REST-COAST kick off meeting in Barcelona and semi-annual meeting, both provided opportunities to gain insight in the working of academic projects, international cooperation, and EU horizon project development. Subsequently as a research fellow at the CMC@Ca'Foscari I participated in the General Assembly organised in Venice in October 2022 and the online-semi-annual meeting in 2023. In line with the Master thesis an abstract has been presented at the ECSA59 conference in San Sebastian September 2022, this abstract focuses on setting up the terminology surrounding NbS addressing coastal restoration, coastal flooding and water quality reduction and is a collaborative effort between CMCC, CORILA and UNIVE. In line with the Master Thesis an abstract was presented at the ESP conference that took place in September 2022, Heraklion (Greece), focusing on the preliminary identification of effectiveness indicators to evaluate NBS and is a collaborative effort between CMCC and UNIVE. Linking the nature-based solution concept with ecosystem service provisioning and effectiveness indicators for climate risk adaptation, a presentation was prepared and presented at the EGU in Vienna Austria in April 2023. A shared session has been presented in collaboration with MaCoBios project and accepted for the ECCA23 conference in June 2023 (Dublin, Ireland), elaborating the shared research inquiries and objectives to identify suitable habitats for nature-based solutions, including their possible adoption into adaptation pathways.
Annexes	Publication Rooilijn (practitioner journal): ● 03/2020: Duality in Dutch climate adaptation participation

Last updated on Feb 29th, 2024