

SELIN KUBILAY

With a background in aquatic sciences, I transitioned into **research data management**, following my passion for FAIR research software development and open science advocacy. I thrive in interdisciplinary environments and particularly enjoy developing **R packages** and **interactive dashboards** that enhance data accessibility and usability. In my free time, I enjoy hiking, road biking, bouldering, and hosting board game nights.

EMPLOYMENT HISTORY

Current
|
2023

Research Data Manager

Delft

📍 Delft University of Technology

- Co-developed data engineering and analysis solutions for research projects
- Designed and implemented relational and non-relational database solutions
- Contributed to the library trainings targeted to researchers for establishing good software development practices
- Organized [R cafe](#) meetings to establish an R community in TU Delft
- Participated in several workshops for adopting better research software practices

2022
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2020

Guest Researcher

Innsbruck

📍 University of Innsbruck

- Built a hyporheic zone experiment as part of doctoral research to assess the influence of carbon regime disturbances on microbial carbon utilization.
- Used R with STAN to analyze and interpret the complex experimental design with a Bayesian model.
- Helped build a new lab from scratch for the new research group [FLEE](#)

2022
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2018

Researcher

Berlin

📍 Leibniz Institute of Freshwater Ecology and Inland Fisheries

- Investigated the impacts of dam-related flow regime disruptions on riverine biogeochemical interactions through spatio-temporal analysis of dissolved organic carbon data
- Campaigned for groundwater sampling excursions for Trace Organic Chemical Research
- Presented in SoapboxScience events for public outreach
- Participated in several conferences with posters or presentations for dissemination of research results

2017

Research Intern

Copenhagen

📍 University of Copenhagen

- Analysed and visualised data in R for a remediation project of contaminated soil
- Obtained funding through the Excellency Scholarship from TUBITAK for my stay in Copenhagen



📄 [Download a PDF of this CV](#)

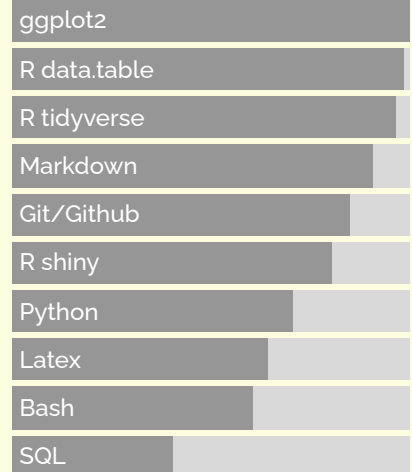
CONTACT

✉ kubilay.selin@gmail.com

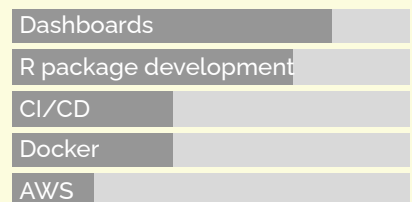
🌐 [Selkubi](#)

in [Selin Kubilay](#)

LANGUAGE SKILLS



OTHER SKILLS





EDUCATION

Current
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2020

PhD., Geography

Berlin

📍 Humboldt University in Berlin

- Thesis: Microbial metabolism of terrestrial resources in river corridors under variable flow regimes: match-mismatch scenarios between resources and consumers
- Independently analysed large biogeochemical data using multivariate statistical methods in R
- Campaigned for surface water sampling from alpine rivers

2018
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2016

MSc., Environmental Sciences

Istanbul

📍 Bogazici University

- Thesis: [Modeling evolution and dissemination of resistance under temporally changing antimicrobial concentration](#)
- Used R for the first time to generate plots

2016
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2012

BSc., Chemistry

Istanbul

📍 Bogazici University

- Bachelor Project: Archaeometry: Looked for organic lipid residues in ancient pottery from 6000 BCE

2011
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2006

High School

Istanbul

📍 Saint Joseph French High School



RELEVANT TEACHING EXPERIENCE

2025
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2023

Software Carpentry Workshop

Delft

📍 TU Delft

- Assisted The Unix Shell and Introduction to Version Control with Git sessions

2025
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2023

Geospatial Data Carpentry for Urbanism

Delft

📍 TU Delft

- Contributed to the yearly-held workshop in organization, development and update of the materials and assistance during the lectures

2024
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2023

CodeRefinery

Delft

📍 TU Delft

- Assisted the locally held version of the workshop

2024

Data Analysis and Visualization with R for Social Scientists

Rotterdam

📍 Erasmus University Rotterdam

- Assisted the R related sessions of the workshop

Relevant Trainings

2025

Carpentries Instructor Training
(The Carpentries)

2024

Data Modeling and Relational Data Architecture (*EssentialSQL*)
Good Practices in Research Software Development
(*Netherlands eScience Center*)

2023

Reproducible Research with R Packages (*Netherlands eScience Center*)

2021

Model-Data Integration for Natural Sciences: Non-parametric modeling with artificial neural networks and applied deep learning with R and Python (*University of Innsbruck*)

2019

Introductory Bayesian Statistics for Ecologists (*Leibniz IGB-Berlin*)

Multivariate Statistical Methods in R for Ecology (*Leibniz IGB-Berlin*)

Made with the R package
[datadrivencv](#).

The source code is available on
github.com/Selkubi/cv.

Last updated on 2025-02-28.



SELECTED PUBLICATIONS, POSTERS, AND TALKS

Riverine dissolved organic matter responds to alterations differently in two distinct hydrological regimes from Northern Spain

Biogeosciences

📍 2025

Response of hyporheic biofilms to carbon quality shifts - In preparation

Journal of Hydrology

📍 2025

2022

Translating flow regimes into dissolved organic matter (DOM) regimes - lessons from rivers under flow management in two climate zones

International Society for Limnology

📍 Presentation

2019

Anthropogenically altered flow affects compositional variance of dissolved organic matter.

ISRS

📍 Poster

2019

Anthropogenically altered flow affects compositional variance of dissolved organic matter.

Symposium for European Freshwater Sciences

📍 Poster