26-03-1993

Togolese

Category B

https://bravemaster3.github.io/about-me/

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Koffi Dodji Noumonvi

PhD candidate

Geomatician | Data analyst (R <Shiny/>) | Forest engineer | Geospatial developer (Linux <bash/>, HTML, CSS, Javascript <NodeJS, ReactJS/>, SQL <PostgreSQL-PostGIS, MySQL/>, Python <Flask, Django/>, GEE, Leaflet)

"Koffi, a PhD candidate at the Swedish University of Agricultural Sciences, brings a rich academic background with a MSc in Mediterranean Forestry and Natural Resources Management (MEDfOR) and a degree in Water and Forest Engineering, specializing in Geomatics of Natural Resources. With over 2 years of experience across various institutions, he has honed his skills in **remote sensing**, **geographic information systems** (GIS), and **statistical modelling**. As he transitions into a career as a **data scientist** and **full-stack web developer**, he leverages the diverse tools and techniques he has acquired along his journey."

Work Experience

05/2019 - 08/2020 — **Senior Technical Advisor**
Department of Ecology, Slovenian Forestry Institute, Ljubljana-Slovenia
Carbon flux modelling, GIS, Remote sensing, Shiny application development, Database design and management, Other technical support.
Project: H2020 LANDSUPPORT

08/2018 - 04/2019 — **Graduate Engineer**
Department of Ecology, Slovenian Forestry Institute, Ljubljana-Slovenia
Carbon flux modelling, Database design and management, GIS, Remote sensing

02/2018 - 06/2018 — **Intern / Carbon fluxes modelling**
Slovenian Forestry Institute, Ljubljana-Slovenia
Modelling carbon fluxes over a grassland from eddy covariance data and satellite derived vegetation indices

02/2016 - 08/2016 — **Intern / GIS specialist**
LGE Inter (Laboratoire International de Gestion de l'Environnement) Lomé-Togo
Development of a methodology for the use of GIS in Environmental Impact Assessment

07/2015 - 12/2015 — **Intern / GIS & Remote sensing**
GIS4DS (Geographic Information System For Decision Support), Rabat-Morocco
Study of Alfa grass dynamics in the eastern region of Morocco

Selected Publications [*ORCID:* https://orcid.org/0000-0002-3305-174X]

- Noumonvi, K.D.; Ågren, A. M.; …; Peichl M. (2021) **The Kulbäcksliden Research Infrastructure: a unique setting for northern peatland studies**. Front. Earth Sci., 2023, 11, 2023. doi: 10.3389/feart.2023.1194749.

- Noumonvi, K.D.; Oblišar, G.; Žust, A.; Vilhar, U. (2021) **Empirical Approach for Modelling Tree Phenology in Mixed Forests Using Remote Sensing**. Remote Sensing, 2021, 13, 3015. doi: 10.3390/rs13153015.

- Noumonvi K. D., Ferlan M., (2020) **Empirical vs. light-use efficiency modelling for estimating carbon fluxes in a mid-succession ecosystem developed on abandoned karst grassland**. PlosOne, 15, 8. doi: 10.1371/journal.pone.0237351.

- Noumonvi K. D., Ferlan M., Eler K., Alberti G., Peressotti A. and Cerasoli S. (2019) **Estimation of Carbon Fluxes from Eddy Covariance Data and Satellite-Derived Vegetation Indices in a Karst Grassland (Podgorski Kras, Slovenia)**. *Remote Sensing*, 11, 649. doi: 10.3390/rs11060649.

Education

09/2020 - 04/2025	**PhD Candidate** *Department of Forest Ecology and Management, Swedish University of Agricultural sciences, Umeå, Sweden* Methane flux modelling in northern peatlands, GIS, Remote sensing, data analysis. Websites: https://www.slu.se/
05/2023 - 06/2024	**Full Stack Software Engineering – Backend specialization** *ALX Africa* Foundations of computer science, Programming (Linux<Bash/>, C, Python <Flask, Django/>, JS<TypeScript, ReactJS, NodeJS/>, SQL<PostgreSQL, MySQL/> …), Devops engineering. Websites (old program combined both frontend and backend): backend, frontend
09/2016 - 07/2018	**Double Masters, University of Padova (Italy) - University of Lisbon (Portugal)** Erasmus mundus master in Mediterranean Forestry and Natural Resources Management, Elective: Multicriteria Decision Support Tools for Mediterranean Forest Management Planning. Website: https://www.medfor.eu/edition/5th-edition-20162018
09/2011 - 07/2015	**ENFI (Ecole Nationale Forestière d'Ingénieurs) (Morocco)** -Water and Forest Engineer's degree, Specialization: Geomatics of Natural Resources (2015) -General Forestry degree (2013) Website : https://enfi.ac.ma/
09/2009 - 07/2011	**University Sultan Moulay Slimane, Beni Mellal (Morocco)** *Faculty of Science and technologies* Scientific and Technical University Studies Diploma (DEUST) in Biology-Chemistry-Geology (2011)

Seminars and Trainings

08-11/2022	**Geospatial developers traineeship** HTML, CSS, Javascript (leaflet JS, JQuery), Geoserver, PostgreSQL (+PostGIS), Django/Python, React JS, Google Earth Engine.
08/2019	**Summer School on Scientific Paper Writing. Pokljuka- *Slovenia*** General structure of a scientific paper, organization of ideas into an outline, styling a scientific paper, writing the different sections (Introduction, materials and methods, results, discussion and conclusion), statistics and data analysis, graphs and tables, literature and references, review papers, ...
07/2019	**Summer School on Data FAIRness in Environmental Sciences. *Lecce- Italy*** Data FAIRness (Findable, Accessible, Interoperable, Reusable) Data publication along with rich metadata, in a (meta)data repository with search catalogue, a persistent identifier, using globally known vocabularies or ontologies, with a clear license terms, and a good track of provenance.
02/2019	**Information Management Workshop. *Vienna- Austria*** Training on LTER (Long-Term Ecosystem & Socio-Ecological Research) tools. Data lifecycle, DEIMS (meta)data catalogue, etc.

Skills

-Mutiple programming languages (R, Python, C, JS, SQL …), GIS & Remote sensing tools (QGIS, ArcGIS, Google earth engine …)
-Office (Microsoft Office Word, Excel, PowerPoint, Access)

Languages

-French (Bilingual), English (academic & working proficiency), Italian & Portuguese (Intermediate), Swedish (B1)

Interests

-Music, Volunteering.