PERSONAL INFORMATION FORM TO UPDATE LABEF WEBSITE

1. Contact

Full name: Bienvenu Sonon

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Email : sonbien92@gmail.com

Position: PhD student

NB: Provide the original image file of your photo when sending us the filled form.

2. What is your position at LABEF (PhD students, Post-docs, Research assistants, etc.).

PhD student

3. Give two to five keywords that best describe your research fields

- ➢ Artificial Intelligence (AI)
- ➢ Rainfall Forecasting
- ➢ Geospatial Analysis
- ➢ Hydrology
- ➢ Predictive Modeling

4. Provide a summary of your biography (max. 150 words)

I am a researcher specializing in the application of artificial intelligence and geospatial techniques to environmental and agricultural challenges. After completing a Master's degree in Statistics, I began a PhD in Biometrics, focusing on spatiotemporal modeling of rainfall events and their implications for agricultural planning in Benin. My research integrates machine learning, point process models, and hidden Markov chains to develop intelligent and interactive mapping tools that support climate adaptation and food security strategies. Alongside my academic work, I have contributed as a facilitator in community forestry management and digital mapping projects, and I am actively engaged in local development initiatives through leadership roles in associations and cooperatives. My long-term goal is to advance predictive biogeography and climate-informed decision-making for sustainable development in West Africa.

5. Provide links to your Google Scholar and ResearchGate pages

- ResearchGate page: https://www.researchgate.net/profile/Bienvenu-Sonon?ev=hdr_xprf

- ORCID page: https://orcid.org/0000-0002-2389-3599

NB: Please send this form with the original file of your photo.