

# Ramoudane Orou Sannou

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## Education

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### Technical University of Dresden, Germany

Ph.D. in Integrated Management of Water, Waste and Soil

Thesis: The Social Dimension of Sustainability in Agri-food Systems

May 2021 –

April 2025

### Technical University of Dresden, Germany

Postgraduate Diploma of Environmental Management

(Best Paper Award)

Jan 2018 –

July 2028

### Frankfurt School of Finance & Management, Germany

Certified Expert in Sustainable Finance

Mar 2023 –

Aug 2023

### University of Parakou, Benin

MSc & BSc in Rural Economics and Sociology

Oct 2011 –

May 2018

## Experience

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### Consultant (Contextual Risks and E&S Policy and Risks)

International Finance Corporation (IFC), USA (Remote)

Feb 2023 –

Present

Supporting the Environmental & Social (E&S) Policy and Risk Department and FCS Africa Team on conducting E&S policy and risk analyses, applying conflict and fragility sensitivity to private sector investments. Overhauled and maintaining the internal Contextual Risk Index, performed conflict sensitivity analyses for clients, integrated private-sector perspectives into Risk and Resilience Assessments (RRA), Country Strategies, Country Climate Development Reports (CCDR), Country Private Sector Diagnostics (CPSD) and contributed to analytical work for revising IFC performance standards.

### Doctoral Researcher

United Nations University - Institute for Integrated management of material Fluxes and of Resources (UNU-FLORES), Germany

May 2021 –

Present

(part-time  
since Feb 2023)

Conducting research on the complex dynamics of sustainability across time, space, society, economy, and environment, providing insights for measuring progress toward sustainable development. Authored studies using machine learning to derive social sustainability indicators from literature, applied econometric analysis to assess the impact of forest cover on food security. Led field research on the effects of organizational innovations and sustainable finance on women's livelihoods in Ghana's Shea industry. Managed projects on resilient agri-food systems, and helped establish a new research stream on Resource Nexus Finance for sustainable development.

### Data Fellow - International Specialist

United Nations Population Fund (UNFPA), Burkina Faso

Sept 2019 –

Apr 2021

Led research on Civil Registration and Vital Statistics (CRVS), improving the understanding of vital event registration (birth, marriage, death) and its impact on public health and policy. Developed R code to automate table and graph generation, streamlining the analysis of birth registration completeness. Applied advanced statistical models to assess the influence of maternal age and residence on birth registration in West and Central Africa. Trained statisticians from Morocco and Burkina Faso's National Statistics Offices on R programming, and managed the implementation of digital registration technology, enhancing vital event registration in rural areas.

### Researcher

African Union Commission, Ethiopia

Aug 2018 –

Aug 2019

Contributed to research and data analysis projects shaping continent-wide development policies and programs. Led a team of 14 researchers in drafting the 2019 State of African Youth Report, analyzing data from 55 African countries to provide insights on youth and development issues. Conducted a feasibility study and data analysis to

support strategic actions for empowering 1 million African youth under the AUC's "1 Million Youth by 2021" Initiative.

**Consultant (Freelance)**

**International Fund for Agricultural Development (IFAD) - Independent Office of Evaluation, Italy (Remote)**

Apr 2021 –  
Sept 2021

Conducted comprehensive desk reviews of 100+ project reports, exploratory data analysis, and fragility risk assessments for the sub-regional evaluation of IFAD operations in 6 fragile West African countries (G5 Sahel and Northern Nigeria), delivering key insights through detailed reports.

**Data Science Consultant (Freelance)**

**The Commonwealth Secretariat, UK (Remote)**

Two assignments -  
June 2022 & March  
2023

Delivered workshop sessions on data science applications in development research at Commonwealth Data Science and Innovation Workshops in the Caribbean and Africa.

**Data Science Consultant (Freelance)**

**Numbers and People Synergy (NAPS), Australia (Remote)**

Multiple  
assignments  
since 2019

Executed data collection and batch calculations to impute missing values, ensuring cross-country comparability of indicators in various Development Indices (e.g., Pakistan, Australia, ASEAN, African Union, Sports & SDGs, etc.).

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## Volunteering

**Member of the Young Scientist Group of the World Food Forum (WFF)**

Providing the World Food Forum (WFF) with scientific evidence and technical expertise for effective implementation of initiatives targeting agrifood systems transformation.

May 2023 -  
Present

**Subject Matter Expert for the Global Reporting Initiative (GRI)**

Conducted peer review of the French translation of the GRI 13 Sector Standard on Agriculture, Aquaculture, and Fishing.

Jan 2023 –  
Feb 2023

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## Certifications (Selection)

Sustainability and Climate Risk (GARP), Modern Diplomacy (UNU-CRIS), Data Scientist with R (DataCamp), Statistician with R (DataCamp), Data Science with Python (IBM), Social & Economic Networks Analysis and Modeling (Stanford University – Coursera), Strategic Planning/Results-based Management (University of Wolverhampton), Project Management (TU Dresden), Manage Impact Evaluations (World Bank)

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## Language and IT skills

- **French** (native), **English** (fluent [TOEFL: 107]), **Arabic** (basic), **German** (intermediary)
- **R** (advanced), **Python** (good), **SQL** (good), **ArcGIS** (good), **Excel** (advanced), **Power BI** (good)

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## Publications (Selection)

- **Orou Sannou, R.**, Kirschke, S., Günther, E., 2023. [Integrating the social perspective into the sustainability assessment of agri-food systems: A review of indicators](#), Sustainable Production and Consumption.
- **Orou Sannou R.**, Schneider C., Walz M., Guenther E., (in press), Organisational Innovations and Access to Sustainable Finance in Agriculture: The Case of Shea Farmers in Ghana, International Journal of Agricultural Sustainability
- **Orou Sannou R.**, Günther, E., (*under review*), Exploring the Resource Nexus between Land Restoration and Food Security: The case of the African Great Green Wall Initiative Countries
- **Orou Sannou R.**, Bako I., Moumouni I., Bako M. N., Olagoke A. (2019), [Participatory Management of Tropical Dry Forests in Benin](#), In "Handbook of Research on the Conservation and Restoration of Tropical Dry Forests." Ch.11.

References available upon request.