

M. Kella DOUZOUNÉ

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PROFESSIONAL SUMMARY:

I have over 16 years of experience as a GIS project manager and geospatial analyst, specializing in geospatial information systems, project management, and digital transformation. Proven track record of leading large-scale GIS deployments for UN agencies, government institutions, and development banks. I possess expertise in data modeling, predictive analytics, and the deployment of digital tools, along with strong communication and stakeholder engagement skills. I am a certified PMP and GISP professional who possesses advanced proficiency in Esri, QGIS, PostGIS, and geospatial applications.

KEY ACHIEVEMENTS:

- Successfully deployed the Geospatial Tracking System (GTS) for the WHO across more than eight fragile countries, reducing reporting delays from 10 days to two days.
 - Led the rollout of RASME/KoboToolbox for the African Development Bank in 29 countries, integrating GPS coordinates, multimedia content, and satellite imagery into real-time dashboards.
 - Delivered capacity-building programs to over 1,500 professionals in GIS, mobile data collection and digital monitoring systems.
 - Implemented geospatial solutions that enhanced vaccination coverage and strengthened institutional capacity in polio-affected areas.
 - Automated Power BI dashboards were developed to enable real-time monitoring and improved safeguard tracking.
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SKILLS:

- **FME:** Data Integration, Workflow Automation, Spatial Data Processing, FME Flow
 - **GIS & Spatial Analysis:** ArcGIS Pro, QGIS, PostGIS, Esri Dashboards, StoryMaps
 - **Data Modeling & Geostatistics:** Kriging, Spatial Regression, Data Quality Control
 - **Programming & Automation:** Python (Pandas, GeoPandas), SQL, Power BI Automation
 - **Mobile Data Collection:** KoboToolbox, ODK, Survey123
 - **Project Management:** PMP Certification, PMI/PMBOK Standards, Stakeholder Engagement
 - **Systems Architecture & Digital Transformation:** Interoperability, Cybersecurity, Data Governance, DHIS2, HL7, FHIR
 - **Training & Capacity Building:** Delivered training to 1,000+ professionals across Africa
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CERTIFICATIONS:

- Project Management Professional (PMP)–PMI, June 2025
 - Geographic Information Systems Professional (GISP)–GISCI, July 2025
 - Certified Associate in Python (PCAP-31-03): Python Institute, October 2025
 - UN Data Analytics Professional – UNSSC, December 2024
 - IELTS General Training – British Council, July 2024
 - TEF – CCI Paris, Ile de France, November 2023
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PROFESSIONAL EXPERIENCE:

World Health Organization (2023 – 2026) – Congo Brazzaville

Position: Data Management & Geospatial Tracking System (GTS) Consultant - Regional Office

- Centralized databases and repositories were designed and harmonized to ensure data quality, security, and timeliness.
- Conducted advanced data and geospatial analyses to produce indicators, risk maps, coverage assessments, and campaign monitoring outputs.
- Developed and maintained automation scripts, ETL pipelines, APIs, and integrated workflows for data ingestion, validation and visualization.
- Deployed and optimized electronic data collection platforms, including ODK, Survey123, KoboToolbox, eSURV, GTS, and WebIFA.
- Delivered capacity-building activities through training, standard operating procedures, webinars, and coaching for data managers and GIS focal points.
- Supported end-to-end data management for polio, immunization, surveillance, laboratory, and outbreak response programs.
- Collaborated with headquarters, regional units, country offices, laboratories, and partners to harmonize the data systems and reporting frameworks.
- Ensured compliance with WHO policies, data protection standards, and cybersecurity requirements while providing surge support and emergency deployments when required.

African Development Bank Group (2021 – 2024) -Abidjan Cote Ivoire

Position: Senior Geospatial & Data Analyst Specialist | ICT

- Designed and deployed the RASME/KoboToolbox remote supervision system across 29 countries.
- Built automated Power BI dashboards for project monitoring and safeguard tracking.
- Led the coordination of training sessions and documentation efforts for sustainable adoption of geospatial systems.

The World Bank (2020 – 2022) - N'Djamena, Chad

Position: GIS, M&E, and Mobile Data Collection Specialist | FCV

- Implemented Geospatial Data Management Systems (GEMS) for national development programs.
- Supported digital transformation of government institutions through GIS-based planning and monitoring.
- Delivered training programs in GIS and mobile data collection to 1,000+ professionals.

eHealth Africa (2022) - N'Djamena, Chad

Position: GIS Stakeholder Engagement Consultant

- I led the development of a health facility database for Chad, which enhanced data quality by 40%.
- I was responsible for designing and delivering GIS training sessions to more than 500 staff members.

United Nations International Children's Emergency Fund (UNICEF) 2021- N'Djamena, Chad

Position: Information Management Officer

- Coordination and management of data collection processes.
- Trained staff in data collection and management.
- Guidance on monitoring and reporting to sections.

Fondation Bill & Melinda Gates & World Health Organization (2020) - Congo – Brazzaville

Position: GIS AFRO consultant

- Supported the Regional Center in strengthening GIS capacity
- Population data modeling
- Dissemination of the eSURV tool and its extension to high-risk priority African countries
- Training government officials and partners in accessing and using geospatial data

International Organization for Migration (IOM). - N'Djamena Chad (2008 -2009)

Position: National GIS Officer

- Coordinated and managed geographic information systems (GIS) in the context of implementing the DTM.
- Designed and maintained spatial and geographic data.
- The process involved the creation and maintenance of migration maps.
- Trained staff in data collection and management.

United Nations High Commissioner for Refugees (UNHCR) - N'Djamena Chad (2008 -2009)

Position: Information Management Associate

- Data collection, processing, classification, and harmonization of data from different protection clusters.
- Designed tools for mapping health services.
- Indicators for various protection clusters are monitored.
- Production of monthly surveillance data dashboards.

e-Health Africa – N’Djamena, Chad (2007 -2008)

Position: Field Data Collection Supervisor

- Conducted field data collection activities in the Lake Chad regions.
- Responsible for installing and configuring mobile data collection tools on both tablets and mobile phones.
- Led the technical expertise, budgetary and operational recommendations, to the operations team.

World Vision International – N’Djamena, Chad (2013 -2014)

Position: Systems administrator

- Managed the hardware and software information assets.
- Provided technical support to users and maintained the infrastructure.
- Trained staff in IT tools and database access.

Organisation Internationale de la Francophonie - Bureau Régional AUF Maghreb Rabat (2013 -2014)

Position: Project assistant for doctoral school support

- Mapped AUF member universities in the three Maghreb countries.
- Conducted a comprehensive mapping of training module needs in the various IST doctoral schools in the Maghreb.
- Created a “users/documents” database for the benefit of doctoral schools in the Maghreb.
- Designed educational workshops for IST doctoral schools.

World Vision International – N’Djamena Chad (2009 – 2013)

Position: Correspondence controller

- Managed correspondence between sponsors and children in sponsorship programs
- Technical support for cluster users
- Trained staff on the information management tools

Education:

- **PhD (in progress)** – Geospatial Information Science and Technology and Sustainable Development, African Regional Institute for Geospatial Information Science and Technology (AFRIGIST) Ile-Ife, Nigeria (2022–Present)
 - **Master** – Geo Information in Disaster Situations, University of Copenhagen, Denmark (2024–2025)
 - **Master 2** – Computer Science Applied to GIS, University of Douala & ENSG Paris (2012–2017)
 - **Master 1** – Advanced Computer Science, Institut Supérieur des Sciences Appliquées, Chad (2011–2012)
 - **Bachelor** – Computer Science, Institut Supérieur des Sciences Appliquées, Chad (2007–2011)
 - **Diploma in IT** – Pan-African Institute of Human Development, Nigeria (2004–2007)
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PUBLICATIONS:

- *Integration of Geospatial Technologies and Artificial Intelligence for Surveillance of Bovine and Caprine Diseases in Chad: A Systematic Review. **In review***
 - *Conception d'un système spatial d'aide à la décision pour la collecte et la surveillance des maladies animales au Mayo-Kebbi Ouest, Tchad* Feb. 2026 <https://doi.org/10.19182/remvt.37898>
 - *Mapping Livestock Systems, Bovine and Caprine Diseases* – Global Health Journal, Feb. 2025 <https://doi.org/10.4081/gh.2025.1365>
 - *Application of Ordinary Kriging in Mapping Soil Organic Carbon* – South African Journal of Geomatics, July 2024 <https://dx.doi.org/10.4314/sajg.v13i2.11>
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CONFERENCE PRESENTATIONS

- Oral Presentation: Designing a Geospatial Tracking System for Ovine and Bovine Monitoring in the Mayo-Kebbi West Province of Chad. Presented at AfricaGIS 2025 & UN-GGIM: Africa XI Joint Conference, themed Harnessing Geospatial Intelligence for Africa's Sustainable and Resilient Future. 17-21 November 2025, Accra, Ghana
- Oral Presentation: Visualisation de données géospatiales en santé : Applications en Afrique, Défis et Opportunités. Presented at the Comité d'Experts Internationaux en Santé Numérique pour l'Afrique (CEiSNA). Le 14 septembre 2024