

Hamza Ouirhani

(Land Use Planner)

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Royal Moroccan Gendarmerie, Rabat, Morocco

RESEARCH INTERESTS

- **Urban Studies and Planning:** Urban development, sustainability, Transportation planning, Urban governance
- **Environmental Science:** Climate change impacts, Natural resource management, GIS, Remote Sensing
- **Sustainable Urban Development:** Green infrastructures, Urban ecology, Low-carbon cities

EXPERIENCES

Air Service, Royal Moroccan Gendarmerie

Rabat, Morocco

Land Use Planner

2016 — Present

- Leveraged GIS for efficient resource allocation and risk assessment
- Employed remote sensing and GIS techniques to track land use changes and identify potential impacts
- Analyzed environmental impact assessments to identify potential risks and mitigation measures

Central Engineering Service, Royal Moroccan Gendarmerie

Rabat, Morocco

Executor

2015 — 2016

- Partnered with local authorities to align the project with urban planning goals and community needs
- Managed construction and renovation projects from inception to completion
- Analyzed spatial data to identify trends, patterns, and anomalies in criminal activity and infrastructure

Training Center, Royal Moroccan Gendarmerie

Marrakech, Morocco

Trainee

2013 — 2015

- Gained valuable military experience and expertise

EDUCATION

Master of Science in Territories

2021 — 2023

University: Ibn Tofail University, Kenitra, Morocco

Thesis Title: The Dynamics of Emerging Centers and Their Socio-Economic Impacts:

The Case of Ain Aouda Commune in Northwest of Morocco

Degree: 16/20

Ibn Tofail University, Kenitra, Morocco

Major Subjects: Urban Planning, Regional Development, Spatial and Data Analysis, Economic Geography, GIS

Professional Bachelor's degree in GIS and Spatial Management

2018 — 2019

University: Ibn Tofail University, Kenitra, Morocco

Research Subject: The Household Waste Management in the City of Kenitra, Morocco

Degree: 14/20

Ibn Tofail University, Kenitra, Morocco

Major Subjects: GIS and Spatial Planning

University Technology Diploma (UTD) in Surveying

2011 — 2013

Specialized Institute of Applied Technologies, Khouribga, Morocco

Major Subjects: Topographic Surveying, Mapping, Geospatial Technologies

SKILLS

- **Geographic Information Systems (GIS):** ArcGIS, MapInfo, Google Earth Engine, ERDAS Imagine)
- **Cartography :** Thematic mapping, Cartographic modeling, 3D visualization
- **Remote sensing :** Image Processing, Image Classification, Digital Image Analysis
- **Statistical Analysis :** Data Management with SPSS.
- **Spatial Planning :** Spatial Analysis, Urban and Regional Planning, Environmental Impact Assessment
- **GeoAI Application :** Applying GeoAI techniques for economic and social development, Urban growth analysis, and Digitalization initiatives

CONFERENCE PRESENTATIONS

- "Technology and Innovation as Catalysts for the Development of Emerging Urban Centers. Ain Aouda, Morocco". 10th International Scientific Forum for Research and Studies, May 14-16, 2025 Istanbul, Turkey.

LANGUAGES

- **English:** Fluent
- **French:** Fluent
- **Arabic:** Native speaker

REFERENCES

- **Prof. Mohamed Ait Nacer** (Thesis Supervisor)
Ibn Tofail University, Kenitra, Morocco
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- **Prof. Hamid BENSSI** (Master's Coordinator)
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