

# Hamza Ouirhani

## (Urban Development Specialist)

**Email:** ouirhanihamza.bsn@gmail.com

**Phone:** +212 603 631 515

Royal Moroccan Gendarmerie, Rabat, Morocco

## RESEARCH INTERESTS

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- **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

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### 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

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### 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

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- **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

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- "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

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

## REFERENCES

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- **Prof. Mohamed Ait Nacer** (Thesis Supervisor)  
Ibn Tofail University, Kenitra, Morocco  
Research Laboratory: Territory, Environment and Development  
Email: mohamed.aitnacer@uit.ac.ma  
Phone: +212 661 621 970
- **Prof. Hamid BENSSI** (Master's Coordinator)  
Ibn Tofail University, Kenitra, Morocco  
Research Laboratory: Territory, Environment and Development  
Email: hamid.benssi@uit.ac.ma  
Phone: +212 661 479 976