

GeoNode Ai: Optimizing Public Sector Networks

Enhance Scalability, efficiency, and sustainability in understand région

BOUHADIBA MOUAD

Smart Crew team

Hackathon lablab.ia

The Challenge

Public sector networks in rural areas face inefficience.

Track 1: Procurement & Policy Innovation

Track 2: Network Design & Strategic Planning.

Track 3: Optimizing Ressource Allocation.

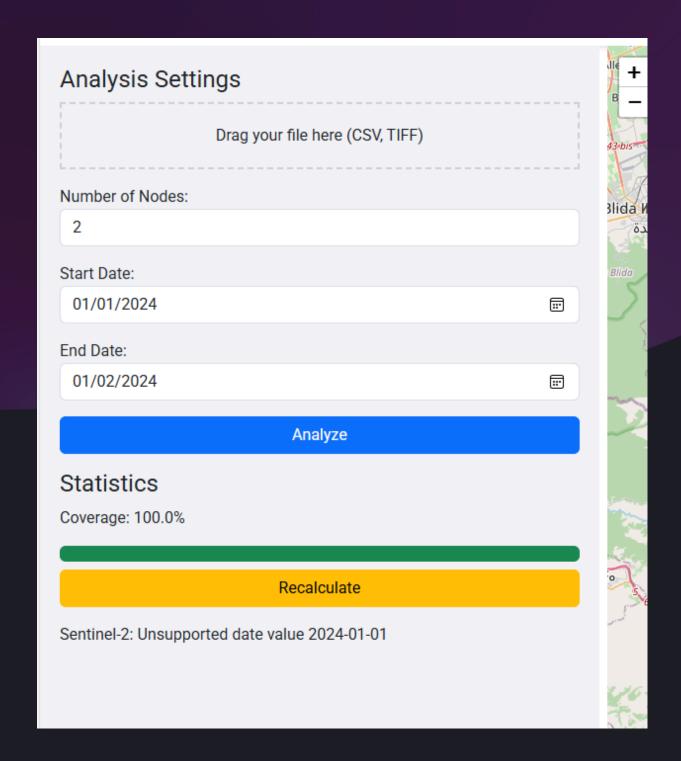
Now, we talk for the second Track

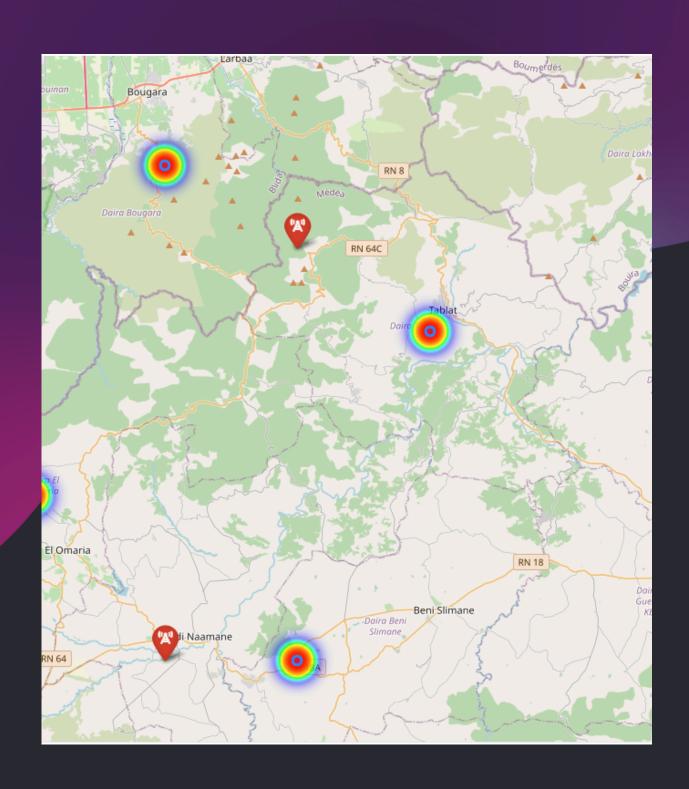
Geo Node Ai

GeoNode Ai

The Core Solution

- Uses Sentinel 2 imagery and Ai for node placement.
- CNN's analyze Terrain, reduce Selection Time by 40%.
- -proactive, scalable, community-focused.



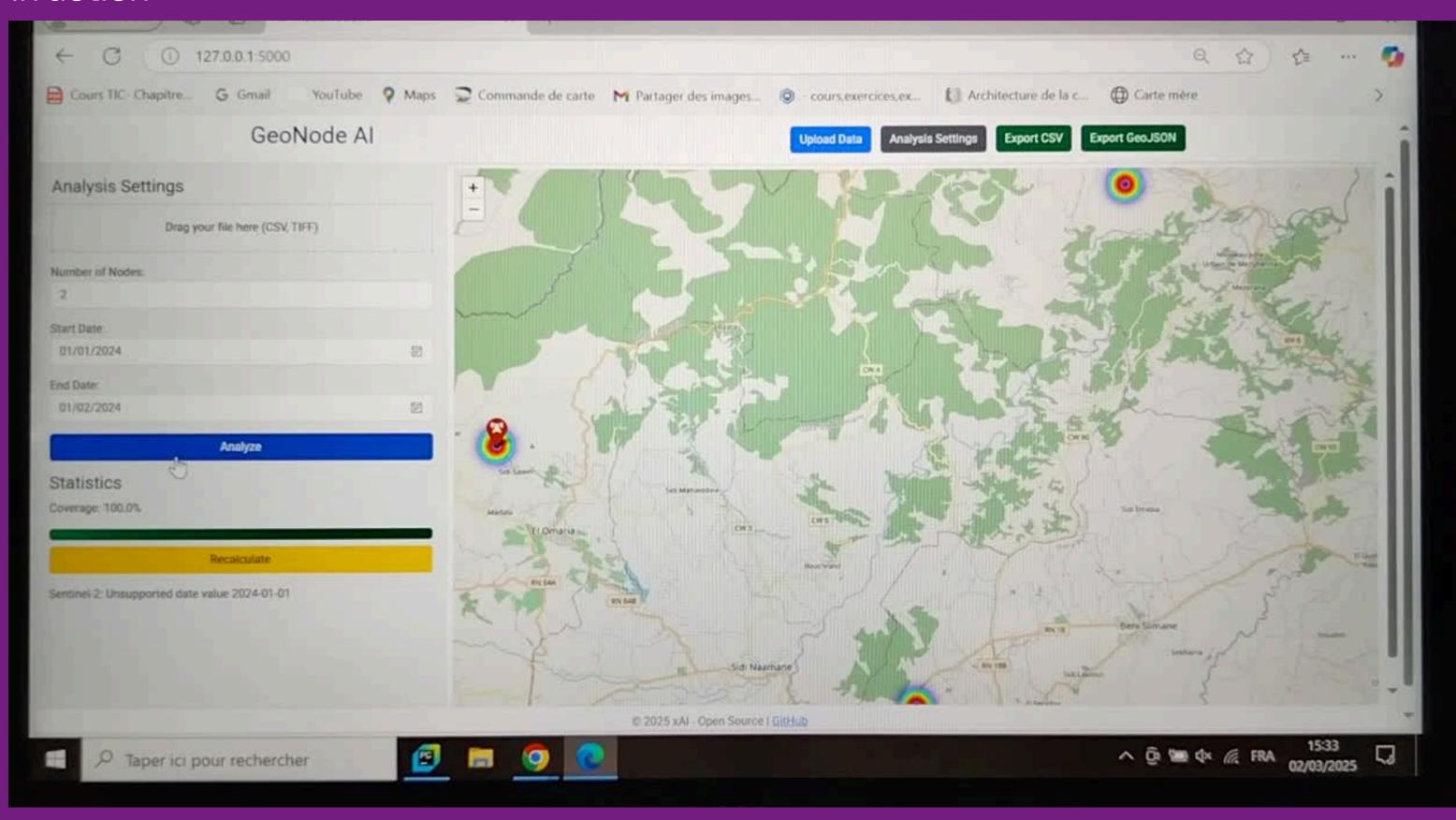


Innovations Telecoms Advanced

- + Network Slicing: Dynamic bandwidth allocation.
- + Integrated into GeoNode Ai.
- + Low latency operations.
- + Boost capacity.

Demo GeoNode Ai

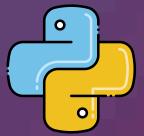
SEE IT in action





Python, Flask, Folium

Nympy, Pandas, scikit-learn(KMeans)







Sentinelsat (sentinel-2)





SMART CREW TEAM

Looking ahead

- + Custom Data uploads.
- + Terrain analysis with GDAL.
- + Community-driven features.





Join US! GitHub: []

Demo:[]