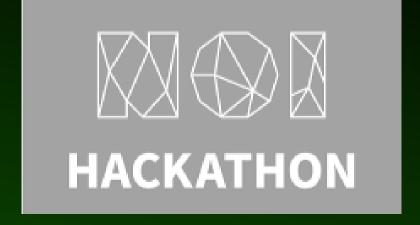
ESG_Pilot





EcoMe

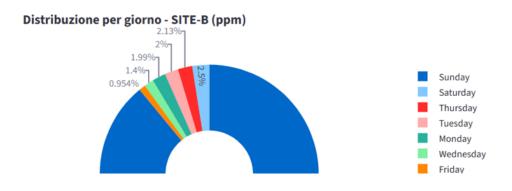
Emanuele Pippa – FrontEnd



Mirko Bandello - BackEnd







- ESG Pilot
- Scope: read and display in a humanfriendly way the ESG impacts information of companies. From csv files to exportable Charts, AI to analyze and verify the data.
- Make people and companies conscious of the company ESG status.

How did we solve the challenges

Approach:

Streamlit-based ESG cockpit that reads CSV, UX flows for uploads

Technologies:

- Frontend: Streamlit + Plotly Express for responsive dashboards, CSS for styling
- Backend/API: FastAPI
- Data: Pandas/Numpy pipelines for aggregation, anomaly detection, ranking math; Ollama LLM integration for AI suggestions.

Main Challenges:

- Heterogeneous CSV schemas -> Implemented automatic column detection and filename-based unit inference
- Lack of real ESG dataset -> simulated with chatGPT

