Arab Academy
for Science , Technology and Maritime Transport

MARLOG 13 2024

The International Maritime Transport and Logistics Conference

"MARLOG 13"

Towards Smart Green Blue Infrastructure

3-5 March 2024 - Alexandria, Egypt

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ARTIFICIAL INTELLIGENCE AND GEOSPATIAL TECHNOLOGIES FOR SUSTAINABLE MARITIME LOGISTICS

ARTIFICIAL INTELLIGENCE AND GEOSPATIAL TECHNOLOGIES FOR SUSTAINABLE MARITIME LOGISTICS

- Background
- AI and Geospatial Technologies in maritime logistics
- Case study on the Port of Constanța
- Challenges in implementation
- Future directions

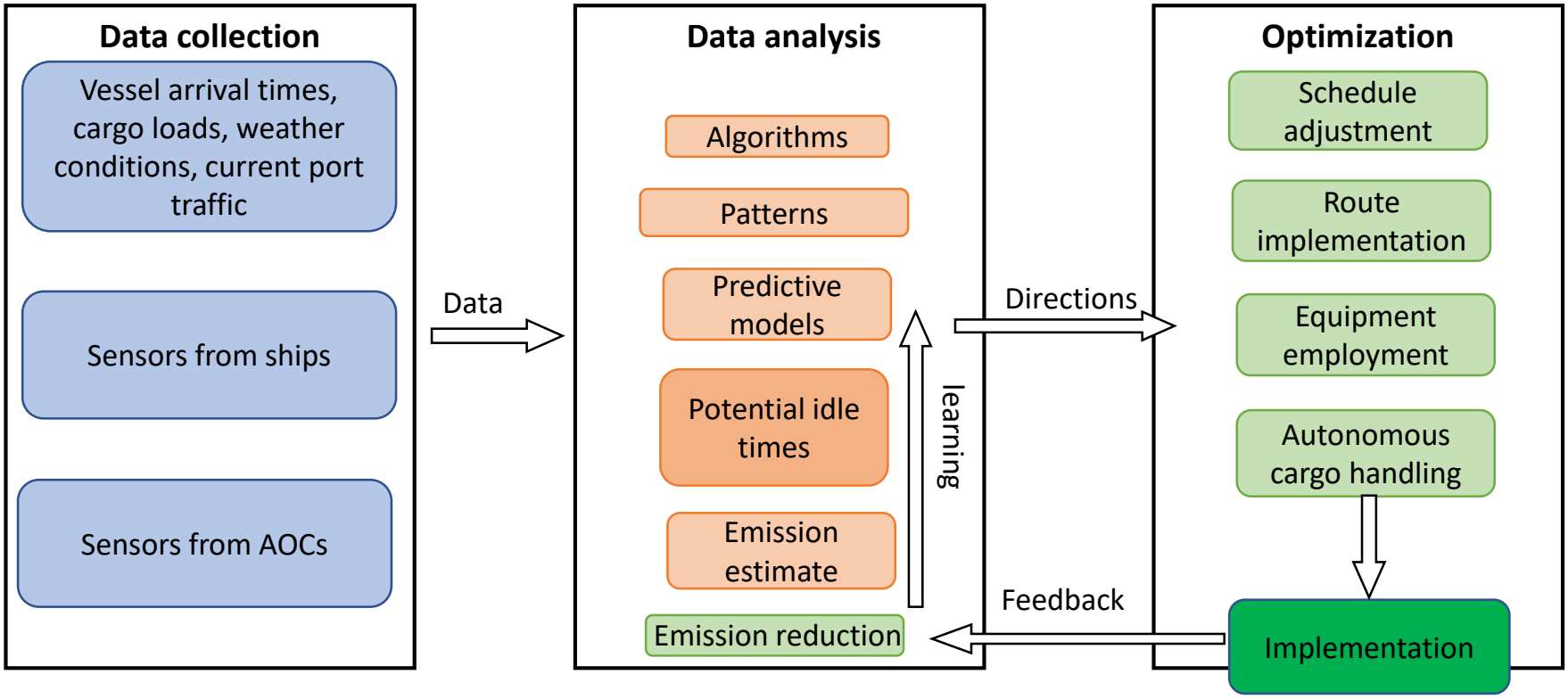
AI and Geospatial Technologies as key enablers for transforming maritime logistics

- Effective Resource Allocation
- Sustainability and Community Well-being
- Financial Undertaking
- Data Privacy and Security
- Interoperability and Standardization
- Regulatory and Legal Adaptation
- Need for Further Research

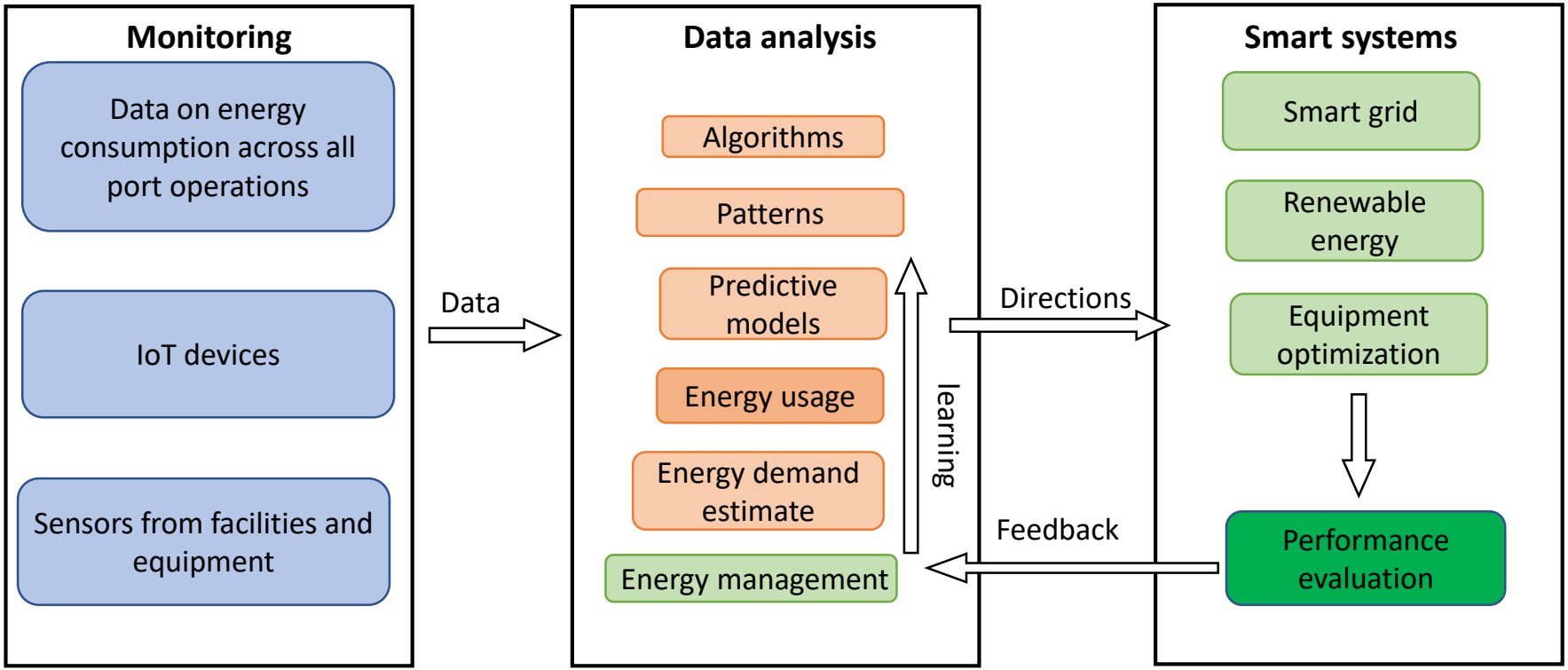
The Impact of AI and Geospatial Technologies in Maritime Applications

- Operational Efficiency
- Climate Resilience
- Risk Management
- Environmental Monitoring

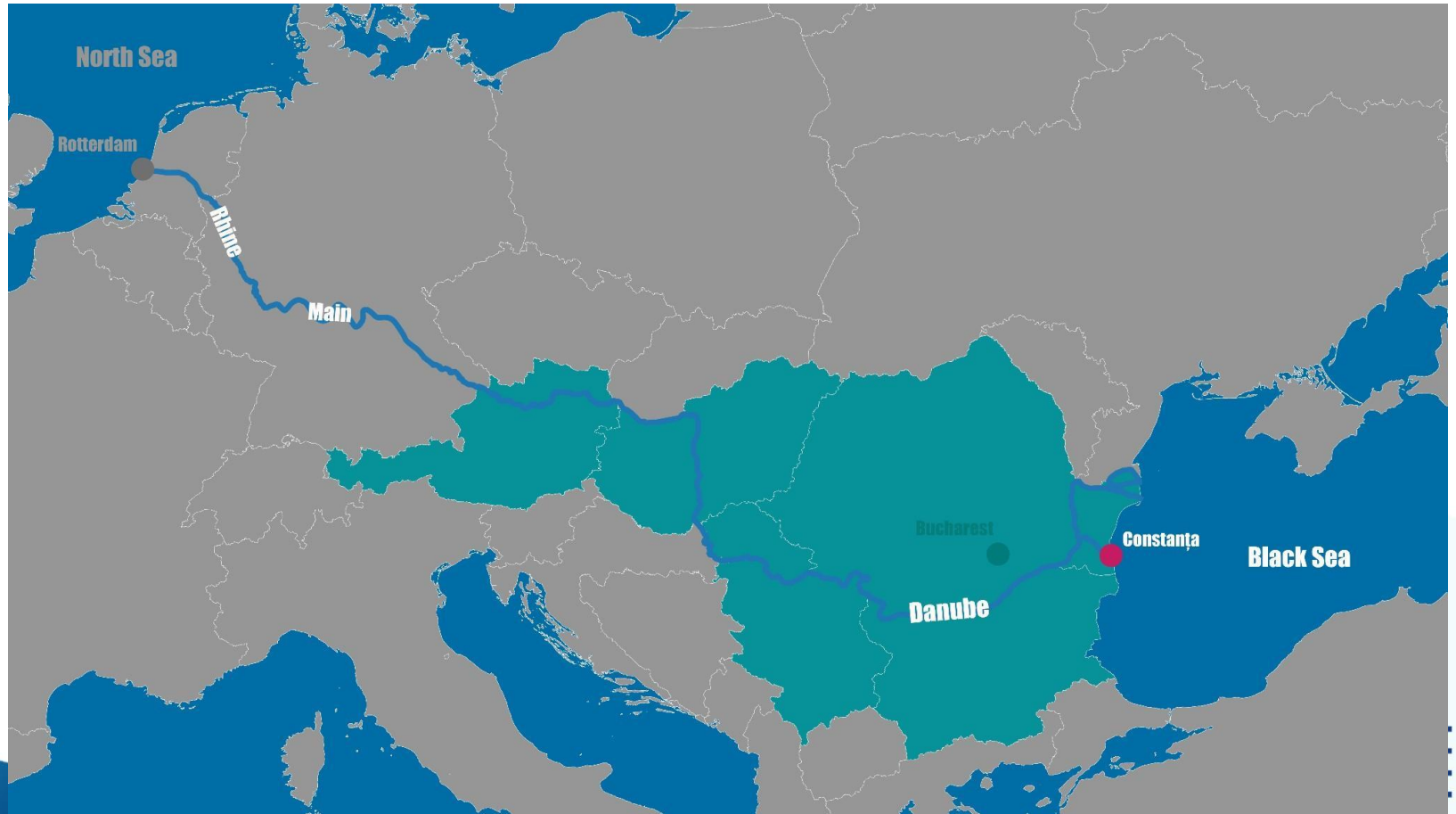
AI and Geospatial Technologies in Emission Reduction



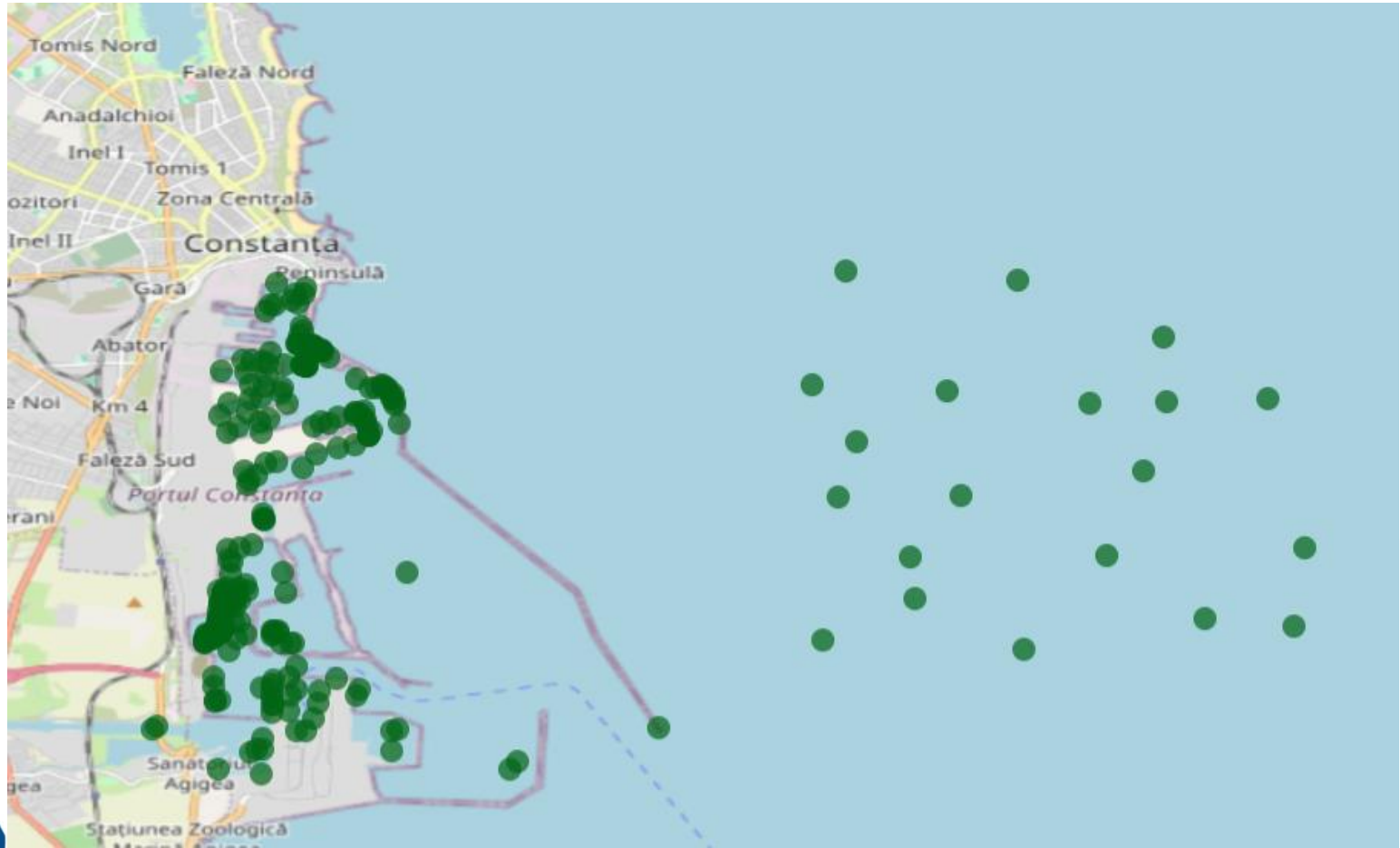
AI and Geospatial Technologies in Energy Management



Constanța Port Case Study



Constanța Port Case Study



Challenges in implementing the technologies

Conclusion and Future Directions

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Thank You