

MORE TEN-T meeting

14th December 2020

George Lupascu / Constanta Municipality

Constanta Case Study



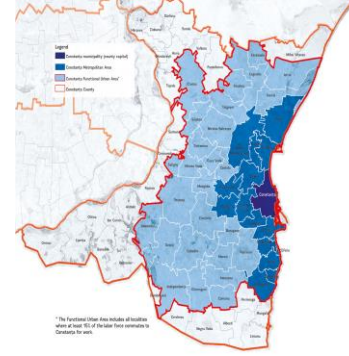
This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 769276.

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Constanta general data

- Inhabitants – 316.263 City / 491.692 (FUA)
- Surface – 124.89 km² / 1,013.5 km² (FUA)
- **Port City**
 - Largest and deepest port on the Black Sea
 - 66,60 mil tone of commodities processed in 2019
- **Tourism City**
 - Oldest City in Romania (ancient Tomis citadel)
 - Mamaia resort (30.000 lodging units)
 - Over 1 mil. tourists visit Metropolitan Area resorts every year
- **University center**
 - 6 universities
 - 25,000 students
- Second contributor to Romanian GDP



Constanta a TEN-T network node



- Rhine Danube corridor
- Connected to all modes of transport
 - Air - Mihail Kogalniceanu Airport
 - Water - Constanta port (Maritime and River Port)
 - Railway - 2 h to Bucharest
 - Road – A2 /A4 motorway

City street network

➤ City Street Network

- Length – 433 km;
- Surface - 5 square km (3.5 km² Carriageway - and 1.5 km² Sidewalks)

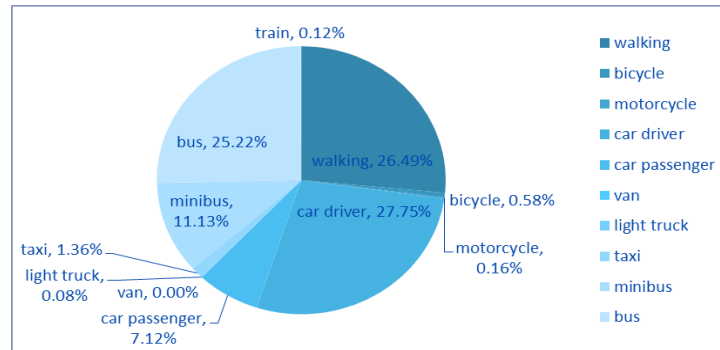
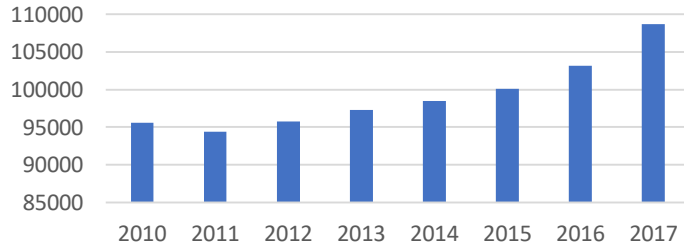
➤ Vehicle ownership: 343 cars/1000 inhabitants

➤ Modal Share

- PT 36.35 % / Car 34.87 % / Walking 26.49 % / Cycling 0.58 % (2015/2016 SUMP)



Vehicle ownership

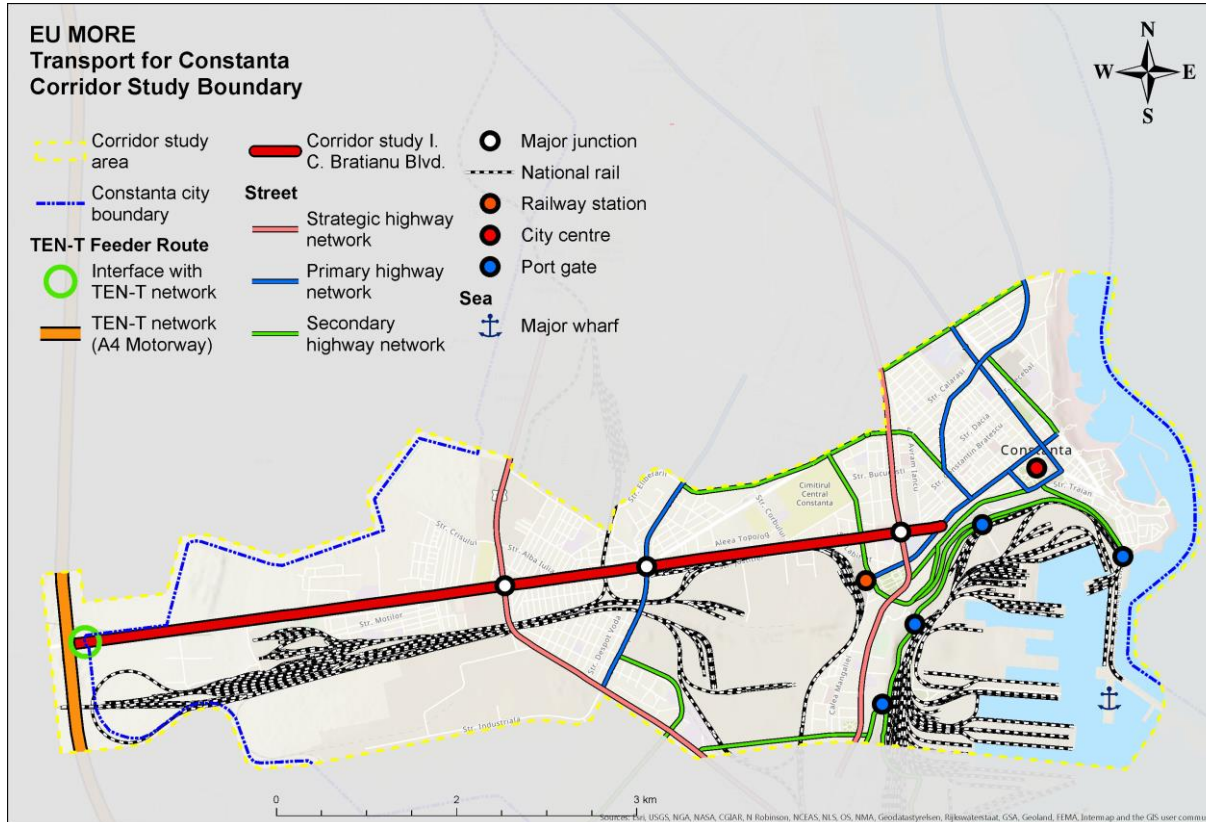


Street network issues

1. Motor vehicle centric infrastructure
2. Parking issue
3. Lack of alternative transport modes facilities (bicycle/bus lanes)
4. Reduced safety and security
5. Infrastructure not adapted to the needs of people with disabilities and reduced mobility
6. Lack of awareness regarding sustainable mobility aspects

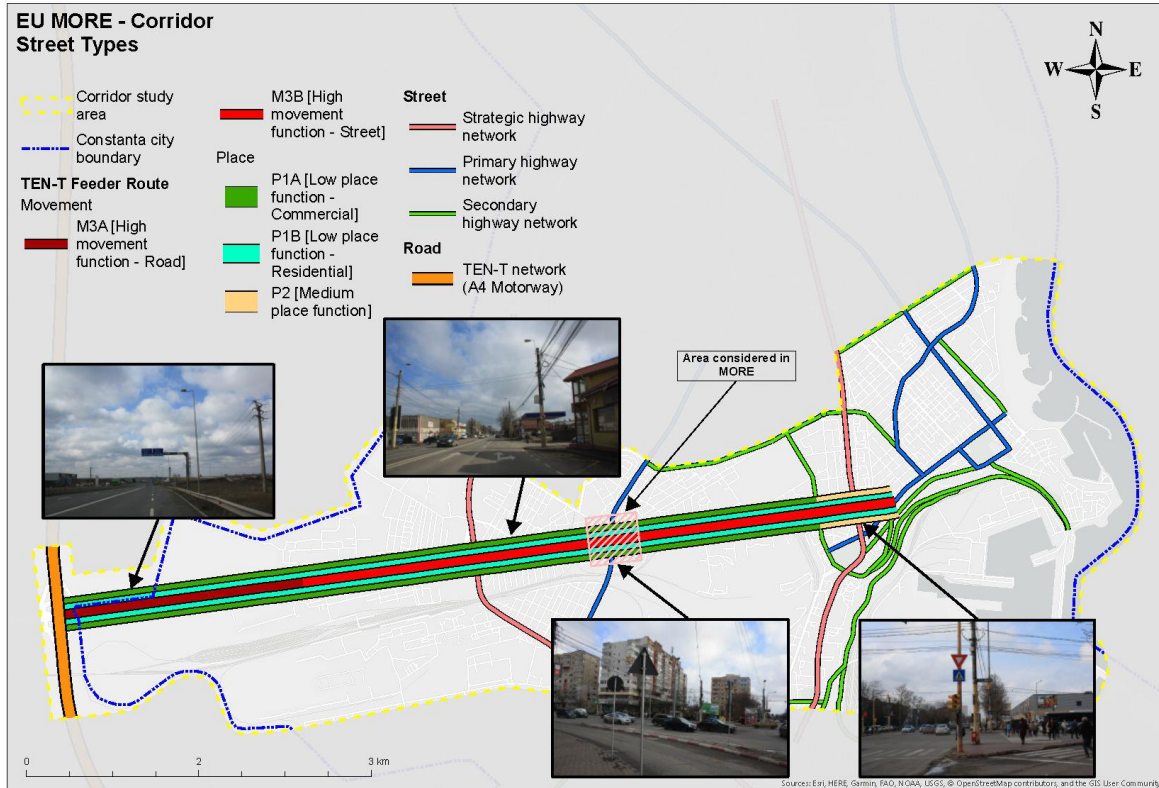


MORE – study area



The map was created with the ESRI ArcGIS Pro Standard 2.2.0 application, EFL850542887 license

MORE Feeder route



The map was created with the ESRI ArcGIS Pro Standard 2.2.0 application, EFL850542887 license

- Constanta Corridor - 7,5 km
- Section 1 National Road no. 3
 - Length - 1,7 km
 - Speed limit - 90 km/h
 - Owned by the State
- Section 2: I.C. Bratianu Boulevard
 - Length - 5,8 km
 - Speed limit - 50 km/h
 - Owned by the Municipality

MORE Stress Area

Plan Circulatie

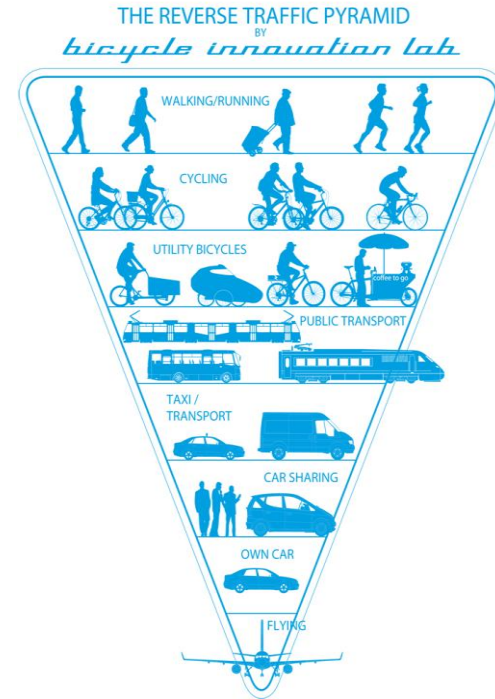


- 4000 inhabitants
- 37.295 pedestrians /day
- 40 businesses
- provides all urban functions
- transport hub (buses)
- 8267 public transport users/day
- important connection point
- 61.730 vehicles /day




Design objectives (SUMP)

- **ACCESSIBILITY** – Ensure all citizens are offered transport options that enable access to key destinations and services
- **SAFETY AND SECURITY**
- **ENVIRONMENT** – Reduce air and noise pollution, greenhouse gas emissions and energy consumption
- **ECONOMIC EFFICIENCY** – Improve the efficiency and cost-effectiveness of the transportation of persons and goods
- **QUALITY OF URBAN ENVIRONMENT** - Contribute to enhancing the attractiveness and quality of the urban environment and urban design for the benefits of citizens, the economy and society as a whole



Next steps





Thank you !

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Multimodal Optimisation
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