

Tunisia

Partner city

Status of the project: **completed technical assistance**



Basic Information

Population: 11,540,000 | Growth rate: 1.1%

Percent of urban population: 70%

GDP per capita: USD 3,317

Percentage of the population living below the national poverty lines: 15.5%

Nationally Determined Contribution (NDC): no mobility/transport related NDC

CO₂ Emissions (total in million tonnes CO₂/ per capita in tonnes): 32.07 / 2.74

CO₂ Transport Emissions (total in million tonnes CO₂/ per capita in tonnes): 7.27 / 0.62
Proportion of transport related GHG emissions: 21%

Context

The development of the transport sector in Tunisia resembles a pathway that is common across most countries in the Global South; Tunisia is experiencing a steady rate of urbanization that is expected to result in three-fourths of the population living in urban areas by 2030. A growing citizenry exerts increasing pressure to the existing urban transport infrastructure, already characterized by an inefficient public transport service that has been historically underfunded – state budgets for road infrastructure development are as high as those for public transport - and unable to satisfy the mobility demands of the urban population. These factors have resulted in an increasing motorization rate, particularly private means of transportation, and subsequently high GHG emission levels:

- Individual transport accounts for 63% of all motorised passenger journeys. This percentage stands in opposite relation to 1970s modal distribution, when public transport represented 70% of the modal share.
- Nonetheless, active mobility constitutes still an essential means of transportation that is commonly used by more than 50% of inhabitants in medium-sized cities and approximately 36% of citizens in Tunis, Sousse and Sfax.
- Paratransit has experienced tremendous gains since 2011 with the number of permits granted increasing by 89% for private taxis and 260% for collective taxis between 2001 and 2015.
- The vehicle fleet has steadily increased by more than 55% between 2006 and 2015, comprising now more than 1.5 million cars.
- In 2012 the transport sector emitted 6.5 MtCO₂e, or 21% of total net GHG emissions.
- Congestion in urban areas has become a frequent problem, for example reducing average speeds to 7 km/h during rush hours in the capital city, Tunis and inflicting a cost of up to 2% of the country's GDP.
- Air pollution represents a significant health and economic problem, its cost amounting to between 2% and 10% of GDP.

- While the transport sector accounts for 30% of the country's energy consumption, 94% of this share is concentrated in road transportation, which is in turn disaggregated by the following sub-sectors:
 - » Passenger cars: 49%
 - » Commercial vehicles 19%
 - » Buses 15%
 - » Freight transport 18%

Support from the Partnership

Technical Assistance: National Urban Mobility Policy and Investment Programme (NUMP)

Type of NUMP: Policy NUMP

Funded by: FFEM and BMUV-ICI

Funding amount: EUR 0.3 M (FFEM), 0.1 M (Cerema) and 0.2 M (BMUV-ICI)

Implemented by: GIZ, AFD, Codatu and Cerema

Local counterpart: Ministry of Transport

Finance leverage: EUR 850,000

Main purpose of the NUMP: contribute to the country's NDC and offer cities a general enabling framework for sustainable urban mobility planning

Supported activities:

With support from MobiliseYourCity's implementing partners AFD, GIZ, Cerema, and Codatu, the Tunisian Ministry of Transport began the process of developing a National Urban Mobility Policy (NUMP) after the country submitted its first NDC in 2015 and joined the Partnership in 2016. The Tunisian NUMP has a strong focus on climate change mitigation and aims to contribute to the country's NDC target of reducing carbon intensity (tCO₂e/GDP) in 2030 by 41% compared to the reference year 2010.

The Tunisian NUMP is comprehensive in nature and includes a broad package of measures to decarbonize transport, increase institutional capacities and improve the governance of the sector:

- Development of technical and institutional framework to support Tunisian cities in SUMP development
- Identification of sustainable urban mobility measures, including action plan for paratransit reform
- Establishment of national fund for urban mobility
- Establishment of National Urban Mobility Observatory
- Capacity building programme for local and national agencies
- Support to the ongoing decentralization process in the country through creation of local administrative entities

The NUMP, which included an emissions inventory, scenario modelling and definition of mitigation actions, was adopted by the national government in May 2020. The implementation of priority measures is currently undergoing with support from grant funding by AFD.

Status of implementation

Project start: 2017 Q1

Project completion: 2020 Q2

Completed outputs:

- Initial diagnostic and priority setting
- Definition of a vision and strategic orientations
- Definition of action plan, responsibilities and resources
- NUMP elaboration
- Official adoption of the NUMP by the national government
- Tunisian MRV approach
- Tunisian SUMP approach

Next expected outputs

- Sustainable Mobility Forum to kickstart the implementation of the NUMP
- Support SUMP elaboration in the Great Tunis area
- Mobilisation of international experts to support the Ministry of Transport implement prioritised actions: Preparation of framework and identification of administrative resources and competencies for the establishment of local transport authorities, to be mandated by law
- Development Policy Loan funded jointly by AFD and World Bank using NUMP as backbone of a public policy matrix

NUMP key measures and cost estimates

The following list highlights the most significant measures identified in the NUMP.

Strategic area 1: Governance

- Establishment of appropriate structures at the local level for planning, development and management of sustainable mobility
- Creation of Central Technical Support Unit for implementation of the NUMP
- Creation of National Commission on Urban Mobility
- Implementation of good governance measures for the mobility sector

Strategic area 2: Capacity building

- Development of capacities of managerial and administrative staff
- Integration of urban mobility in training programs of civil engineers, urban planners and administrative staff
- Establishment of networks for knowledge exchange and dissemination within the sector
- Development of implementation plan for awareness raising of civil society, elected officials and media
- Development of capacities of technical and operational, and administrative staff involved in urban mobility

Strategic area 3: Financing sustainable urban mobility

- Improvement of role of the State through establishment of National Fund for Urban Mobility
- Definition of competences of local governments to finance urban mobility
- Revision of fare policy and financing of public transportation
- Reduction and redirection of fuel subsidies to Urban Mobility Fund
- Improvement of compensation system for school transport

Strategic area 4: Urban public transport

- Development of public transport rationalization plans
- Establishment of public transport regulatory unit within metropolitan mobility authorities
- Restructuring of public transport companies
- Set up public service delegation contracts between authorities and public transport companies
- Regulation of paratransit services

Strategic area 5: Improved coordination between transport and land-use planning

- Promotion of integration between master development plans, urban travel plans, and urban development plans
- Establishment of legal provisions for greater coherency between land-use and transport planning
- Promotion of densification of major transit routes through Transport Oriented Development (TOD)

Strategic area 6: Management of individual motorized transport development

- Improvement road sharing between different modes
- Design of legal and regulatory framework for carpooling
- Establishment of company travel plans for public organizations
- Mainstreaming and support on the development of traffic management plans at the local level
- Feasibility study for introducing restrictive parking policies
- Implementation of initiatives to improve freight transport efficiency
- Promotion of intermodality and fare integration between collective transport modes
- Expedite implementation of mass transit projects

Strategic area 7: Promotion of active transportation

- Development of Active Mobility Action Plan at the national level
- Development of Active Mobility Master Plans in main urban areas
- Implementation of sidewalk rehabilitation campaign
- Improvement of enforcement capacities to fight illegal use of public space
- Integration of active mobility into major infrastructure projects

Strategic area 8: Promotion of safer, cleaner and more inclusive urban mobility

- Improvement of road safety in urban areas
- Promotion of e-mobility and alternative fuels
- Introduction of vehicle emission standards
- Promotion of accessibility for most vulnerable population

Strategic area 9: Development of digital solutions for urban mobility

- Implementation of action plan Smart Mobility Tunisia

Finance leverage

| Financing resulting from the NUMP | Source | Amount |
|---|---------------------|-------------|
| Grant fund to support NUMP implementation | AFD | EUR 250,000 |
| Grant fund to develop urban mobility plan for the Greater Metropolitan Area of Tunis | Republic of Tunisia | EUR 600,000 |
| Grant fund to finance actions of the NUMP (studies, capacity building and tender support for NUMP implementation) | AFD | EUR 400,000 |

Projected impacts

| Indicator | Impact 2030 (SUMP vs BAU) | Baseline - 2015 | Projected 2030 BAU | Projected 2030 SUMP scenario |
|---|--------------------------------|-------------------------------|--------------------------------|--------------------------------|
| Total annual GHG emissions (Mt CO₂eq) | -3 300 000 tCO ₂ eq | 9 200 000 tCO ₂ eq | 15 300 000 tCO ₂ eq | 12 000 000 tCO ₂ eq |
| Access | | | | |
| Increase of the proportion of the population living 500 meters or less of a public transport stop | Unknown | Unknown | Unknown | 80% |
| Modal share | | | | |
| Increase of the modal shares of trips by public transport, walking and cycling | TOTAL: 31.4% | TOTAL: 53.6% | Unknown | TOTAL: 85% |
| Road safety | | | | |
| Decrease of traffic fatalities in the urban area, per 100.000 inhabitants | -50% | -55 fatalities/100,000 hab | Unknown | -22 fatalities/100,000 hab |

Highlights

New governance framework for urban mobility and a National Mobility Fund

Since 2021, an AFD-funded consultant assists the Ministry of Transport for the implementation of a new governance framework for urban mobility, and a National Mobility Fund:

At a national level, the national government is planning the creation of a National Urban Mobility Commission (CNMU) to ensure the political support of the NUMP as well as all the structural reforms proposed, and a Central Technical Support Unit (UTAC) providing technical support to the CNMU and responsible for the operational implementation of most of the actions recommended by the NUMP. It should be first hosted in-house by the Ministry of Transport, to become later an independent public institution.

To ensure that State funding is stable and predictable, the NUMP also plans to create a National Urban Mobility Fund (FNMU) in 2022, to which certain national tax resources from transport such as the road tax would be allocated, as well as certain local taxes. The decentralisation process in Tunisia is still a major challenge, and adjustments to the legal framework to solve the governance problems created by the contradictions between the Local Authorities Code and Law 2004-33 of April 19, 2004, on the organization of land transport still need to be done. An additional challenge is to find out the right legal status for the new entities created at the national level in a context of political instability and very limited budgetary space.

At local scale, depending on the size of the urban areas, Metropolitan Urban Mobility Authorities (AMMU) will be created, as well as Urban Mobility Departments (DMU) within the municipalities, in particular to ensure the development of local mobility strategies and the management of public transport networks. Additionally, there has been advanced discussion with the AUGT (Urban Planning Agency) for the preparation of a SUMP for the metropolitan area of Tunis.