



Ministry of Sustainable
Infrastructures and Mobility

Ten years to transform Italy

For the well-being of people and businesses, respecting the environment

Infrastructure, mobility, logistics, quality housing for a more prosperous, fair,
sustainable and resilient country

AN INTEGRATED VISION

The projects under the responsibility of the Ministry of Sustainable Infrastructures and Mobility (MIMS) in the National Recovery and Resilience Plan (NRRP) are in line with:

The 2030 Agenda for Sustainable Development



The European **Green Deal**



The aims of the **"Next Generation EU"**



National strategic planning and sector planning

Other **national and European** resources

NRRP AND OTHER EUROPEAN AND NATIONAL RESOURCES

Next Generation EU resources are part of the budget which also includes other sources:



Development and Cohesion Fund (CF) 2021-2027



European Structural and Investment Funds (EIS) 2021-2027



Infrastructure Equalisation Fund



National Funds

MIMS IS CENTRAL TO NRRP IMPLEMENTATION

With over **62 billion** MIMS is the first Ministry for investments

Funding source	Total resources
Next Generation EU	40,701
React EU	0,313
Supplementary Fund	10,615
Budget Variance	10,350
Overall Total	61,979

Some projects will be carried out in collaboration with other Ministries: Ministry of Digital Innovation, Ministry for Economic Development, Ministry of Ecological Transition, Ministry of Culture, Department for the South and Social Cohesion.

Out of which about **47 billion** in addition to current legislation and **15 billion** that replace investments already provided for in the State budget

MIMS IS CENTRAL TO NPRR IMPLEMENTATION

61,9 billion
for investments

34,6 billion
to the South (56%)

9 areas of
intervention

6 strategic
objectives

1. sustainable development
2. ecological and digital transition
3. people well-being and reduction of inequalities
4. infrastructures and competition
5. growth and employment
6. reduction of territorial gaps

MIMS IS CENTRAL TO NRRP IMPLEMENTATION

The main news compared to the January Plan: **+14 billion**

- Extension of high-speed/high-capacity projects (Salerno-Reggio Calabria, Vicenza crossing)
- Renewal of Intercity trains in the South
- Experimentation of the use of hydrogen for rail transport (with Ministry of Ecological Transition)
- Strengthening of the rapid mass transport development program
- Digital platforms to support local public transport (with Ministry of Digital Innovation)
- Sustainable mobility in smaller islands (with Ministry of Digital Innovation)
- Historical railway routes (with Ministry of Culture)
- Infrastructure for Special Economic Zones - ZES (with Department of South and Social Cohesion)
- Renewal of the naval fleet and in the Strait of Messina to reduce emissions
- Electric charging stations (with Ministry of Ecological Transition)
- Modernization of water distribution networks
- Roads for the connection of internal areas (with Department of South and Social Cohesion)
- Redevelopment of penitentiary buildings (with Ministry of Justice)
- Improvement of spaces in juvenile rehabilitation facilities (with Ministry of Justice)

MIMS IS CENTRAL TO NRRP IMPLEMENTATION

MIMS carries out projects and reforms on **6 strategic** objectives

1. related to four of the six NRRP missions and contribute to sustainable development
2. essential for the ecological and digital transition
3. improve people's quality of life and reduce inequalities
4. accelerate the construction of infrastructure and increase the competitiveness of companies
5. generate an increase in income and employment
6. reduce the North-South gaps

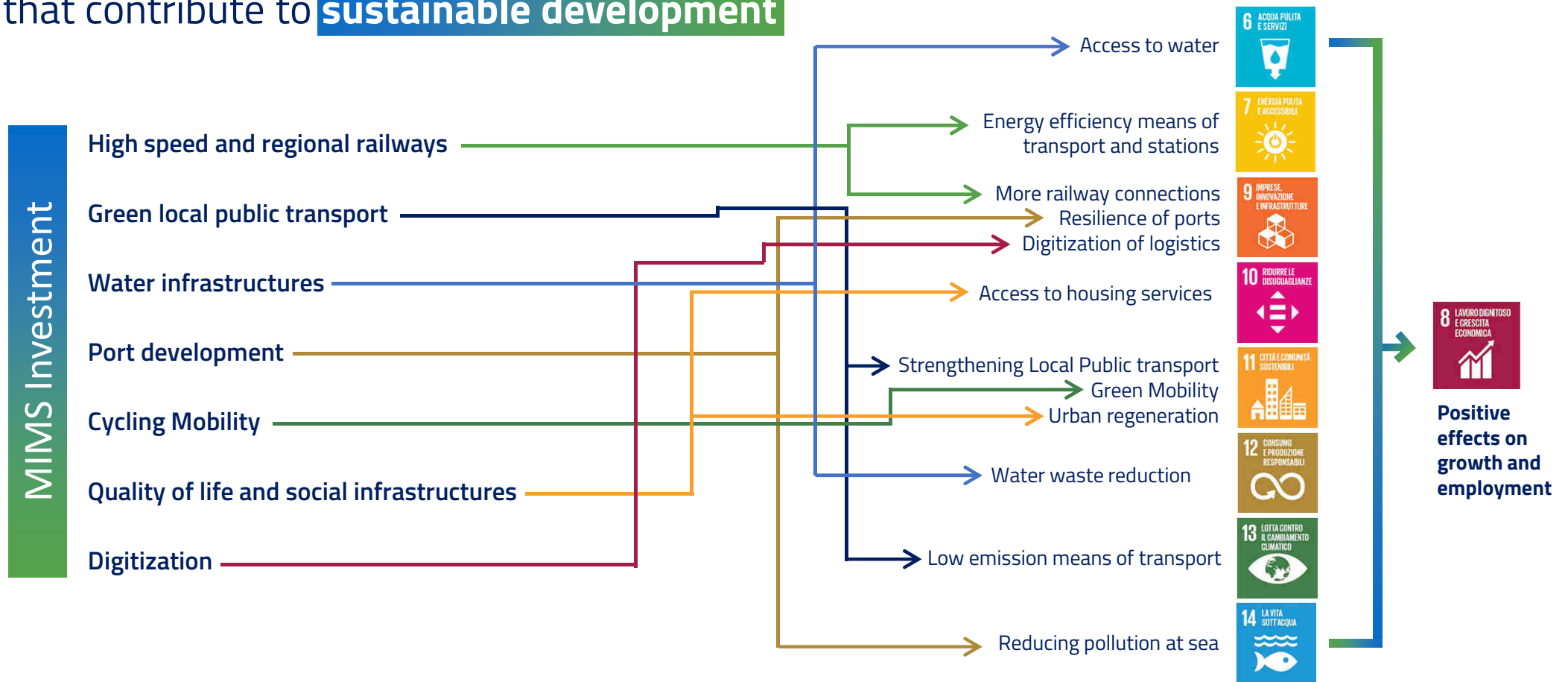
PROJECTS AND REFORMS

which account for **4 of the 6 NPRR missions**

Missions	Total resources (<i>Billion</i>)
Digitalization, innovation and culture	0,493
Green revolution and ecological transition	15,814
Infrastructure for sustainable mobility	41,809
Inclusion and cohesion	3,863
Overall total	61,979

PROJECTS AND REFORMS

that contribute to **sustainable development**



PROJECTS AND REFORMS

that are essential for the **ecological and digital transition**

Iron option for modal shift: an estimated saving of 2.3 million tons of CO2 emissions per year

- High-speed development and regional lines (700 km)
- Rapid Mass Transport (RMT) in urban areas (216 km of new tramlines, metros, trolleybuses)
- Purchase of new trains

Renewal of electric and hydrogen bus fleet

- 3,200 electric/hydrogen buses in urban areas
- 2,000 methane buses for suburban transport

Hydrogen testing for un-electrified railways

- 50 hydrogen trains in the South and Val Camonica

Smooth mobility

- 1,800 km of tourist and urban cycle routes

PROJECTS AND REFORMS

that improve **people's quality of life** and **reduce inequalities**

(slide 1/2)

Development of urban mobility

- Increased quantity and quality of service
- Reduction of journey times for commuters

Energy efficiency for public housing

- New plants to reduce waste
- Reducing costs to tackle 'energy poverty'

Urban regeneration and improvement of the quality of life

- Improving the quality of housing for socially and economically weak individuals
- Improving the use and management of land-consuming spaces

PROJECTS AND REFORMS

that improve **people's quality of life** and **reduce inequalities**

(slide 2/2)

- **Better connections** for inland and mountain areas and small islands
- **Economic and industrial development** of Southern areas through the ZES to promote employment
- **Greater security** of social housing, bridges and viaducts
- **Improvement of penitentiary facilities** and rehabilitation facilities for minors
- **Reduction of water network losses** for efficient management of existing resources
- **Slow tourism and cultural routes** with historic railways
- **Improvement of penitentiary facilities** and rehabilitation facilities for minors

PROJECTS AND REFORMS

that accelerate the construction of infrastructure and increase the **competitiveness of companies**

Speeding up and simplification of infrastructure investments

- New procedures for the sharp reduction of time for NPRR works

Reduce costs and more competition

- Enhanced connection between markets and production system, with the reduction of barriers to entry

Faster and more environmentally friendly freight transport

- Renewal of rolling stock for freight transport to reduce air and noise pollution

Modernization and enhanced connection of transport systems

- Optimization of air and rail traffic flows for a better infrastructure management with lower land consumption

Digitisation of logistics

- Innovative and technological interventions for energy saving and emission reduction

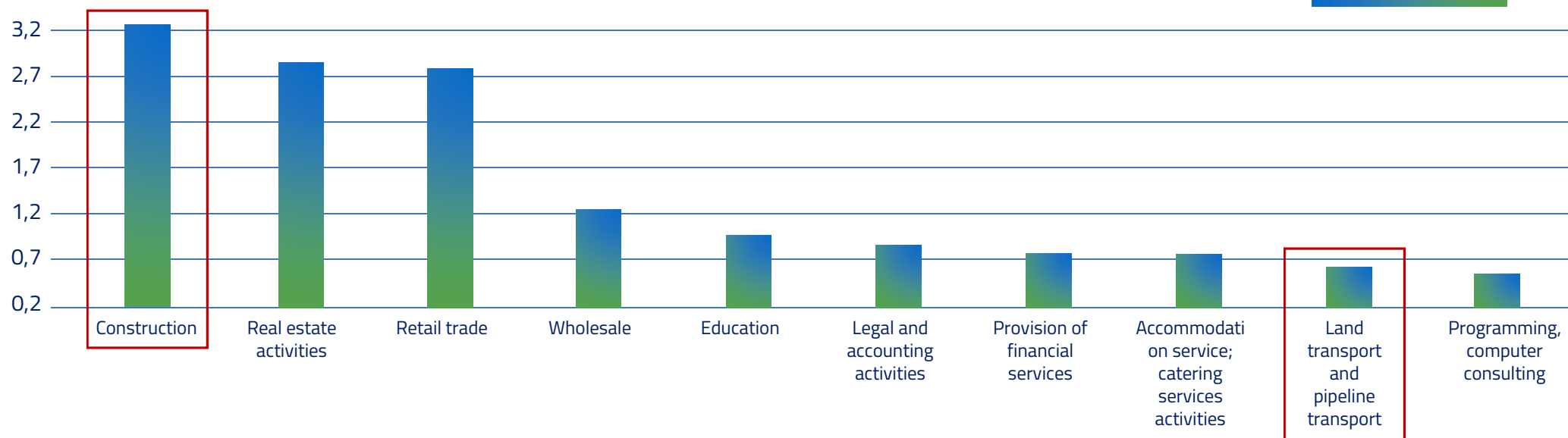
Ecological transition of the naval fleet

- *Ship refitting* and electrification of docks to reduce emissions and pollution in port cities (*Cold Ironing*)

PROJECTS AND REFORMS

that generate **an increase in income and employment**

> 3% impact on employment in 2026



Change in added value by branch of economic activity of NRRP (contribution of activities to the overall % change in the period 2021-2026)

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SOURCE: MEF-DT processing on MACGEM-IT results.

MIMS CARRIES OUT PROJECTS AND REFORMS

that **reduce the North-South gaps**

Missions	Total resources (billion)	For the South (billion)	For the South (%)
Digitalization, innovation and culture	0,493	0,367	74%
Green revolution and ecological transition	15,814	8,141	51%
Infrastructure for sustainable mobility	41,809	23,779	57%
Inclusion and cohesion	3,863	2,407	62%
Overall total	61,979	34,694	56%

9 AREAS OF INTERVENTION

- 1** | **EXTENSION**
of high-speed rail and
upgrading of regional networks
- 2** | **RENEWAL**
of trains, buses, ships with
low-emission technologies
- 3** | **INVESTMENTS**
for the development of
ports, logistics and maritime
transport
- 4** | **INTERVENTIONS**
of digitization for better
logistics and road safety
- 5** | **INNOVATION**
for ecological transition
- 6** | **DEVELOPMENT**
of provincial roads for
internal roads cycle routes
for smooth mobility
- 7** | **QUALITY**
of housing and social
infrastructure
- 8** | **PROTECTION AND
ENHANCEMENT**
of water resources
- 9** | **SYSTEM REFORMS**
simplifications, competition
and efficiency

1 | EXTENSION OF HIGH-SPEED RAIL AND UPGRADING OF REGIONAL NETWORKS

Development of high-speed and high-capacity lines **25 billion**

- Salerno - Reggio Calabria
→ 11,2 billion
- Palermo - Catania - Messina
→ 1,4 billion
- Roma - Pescara
→ 0,6 billion
- Brescia - Vicenza - Padova
→ 4,6 billion
- Napoli - Bari
→ 1,4 billion
- Orte - Falconara
→ 0,5 billion
- Liguria - Alpi
→ 4,0 billion
- Verona - Brennero
→ 0,9 billion
- Taranto - Battipaglia
→ 0,4 billion

1 | EXTENSION OF HIGH-SPEED RAIL AND UPGRADING OF REGIONAL NETWORKS

(slide 1/4)

Strengthening regional networks and electrification with attention to the South

5.45 billion

Upgrades:

- Rome - Venafrò - Campobasso - Termoli
- Sibari - CZ Lido - Reggio Calabria (Ionica)
- Node of Catania
- Palermo - Agrigento - Porto Empedocle
- Bari - Lamasinata
- Connecting the city of Taranto with the port
- Connecting the city of Brindisi with the airport
- **Intermodality and accessibility** Trapani Birgi
- **Speeding Up** Pescara – Foggia
- **Electrification** Barletta – Canosa
- **Doubling** Decimomannu - Villamassargia

1 | EXTENSION OF HIGH-SPEED RAIL AND UPGRADING OF REGIONAL NETWORKS

(slide 2/4)

Strengthening regional networks and electrification with attention to the South

5.45 billion

- **Modernisation** Potenza – Foggia
- **Completion** Ferrandina – Matera
- **Electrification** Roccaravindola - Isernia – Campobasso
- **Doubling** Albairate – Abbiategrasso
- **Doubling** Codogno - Cremona – Mantua
- **Completion** Salerno Arechi – Airport
- **Connection** of Augusta port
- **Connection** of Olbia airport
- **Interventions on regional railways** managed by Rfi (National Railways Network) or regional entities concerning the modernization of infrastructure and the electrification of existing lines
- **Programme "Paths in history"** (National Historical Railways, Green Train of Sardinia)

1 | EXTENSION OF HIGH-SPEED RAIL AND UPGRADING OF REGIONAL NETWORKS

(slide 3/4)

Upgrading of rail hubs serving urban areas and other routes **3 Billion**

Station plan in the South **0,7 billion** for redevelopment and improvement of accessibility

Main stations: Villa San Giovanni, Messina Centrale and Messina Marittima, Benevento, Caserta, Bari, Taranto, Lecce, Pescara, Potenza, Barletta, Lamezia Terme, Cosenza, Reggio Calabria Lido, Sapri, Oristano, Palermo Notarbartolo, Milazzo, Marsala and Siracusa

2 | RENEWAL OF TRAINS, BUSES AND SHIPS TO REDUCE EMISSIONS

“Green” Local public transport and rapid mass transport **8.4 billion**

- **Renewal of the bus fleet** (including Full Electric in Milan, Rome and Naples)
→ *3.0 billion*
- **Rapid Mass Transport (RMT Development)**
→ *3.6 billion*
- **Renewal of Local Public Transport (LPT) trains**
→ *0.6 billion*
- **Renewal of intercity trains in the South**
→ *0.2 billion*
- **Renewal of locomotives, rolling stock and freight infrastructure**
→ *0.2 billion*
- **Renewal of LPT vessels in the Strait of Messina**
→ *0.1 billion*
- **Renewal of the Mediterranean fleet with low environmental impact ships**
→ *0.7 billion*

3 | INVESTMENT IN PORT DEVELOPMENT, LOGISTICS AND MARITIME TRANSPORT

- Construction of the new port of Genoa breakwater
→ 0.5 billion
- Modernization and development projects in the Port of Trieste
→ 0.4 billion
- Electrification of docks at Ten-T ports (Cold Ironing National Plan)
→ 0.7 billion
- Energy efficiency and waste management in ports (Green ports)
→ 0.3 billion
- Increase in port capacity in the ports of Venice, La Spezia, Naples and Cagliari
→ 0.2 billion
- Infrastructure for the ZES
→ 0.6 billion

3 | INVESTMENT IN PORT DEVELOPMENT, LOGISTICS AND MARITIME TRANSPORT

- Last/penultimate railway and road mile in the ports of: Venice, Ancona, Civitavecchia, Naples, Salerno
→ 0.1 billion
- Energy and environmental efficiency in the ports of the Strait of Messina
→ 0.1 billion
- Restoration and renewal of infrastructure damaged by climate change in the ports of: Venice, Naples, Marina di Carrara, Salerno, Manfredonia, Palermo and Catania
→ 0.3 billion
- Increase in maritime accessibility in the ports of: Vado Ligure, Ravenna, Civitavecchia, Naples, Salerno, Taranto, Brindisi and Trapani
→ 0.6 billion
- Sustainable mobility for small islands
→ 0.04 billion

4 | DIGITIZATION INTERVENTIONS FOR BETTER LOGISTICS AND ROAD SAFETY

- Digitization of Italy's logistics systems
→ 0.25 billion
- Digitization of local public transport (Mobility as a service)
→ 0.04 billion
- Development of the railway system and the European railway system ERTMS for speed increase, infrastructure capacity and security
→ 2.97 billion
- Digital innovation of air traffic control systems
→ 0.11 billion
- Technological monitoring of bridges, viaducts and road and motorway and road tunnels
→ 0.45 billion
- Safety and technological monitoring interventions for A24 and A25
→ 1.0 billion

5 | INNOVATION for ECOLOGICAL TRANSITION

- Electrical recharges
→ 0.7 billion
- Hydrogen rail transport experimentation in Val Camonica, Salento and other networks
→ 0.3 billion
- *Brenner Green Corridor*
→ 0.1 billion
- *Strengthening the green transport industry, its supply chains and smart mobility*
→ 0.3 billion

6 DEVELOPMENT OF PROVINCIAL ROADS FOR INLAND AREAS AND CYCLE PATHS FOR SMOOTH MOBILITY

- Provincial roads to connect inland areas with major transport routes
→ 0.3 billion
- Urban cycle routes
→ 0.2 billion
- Tourist cycle routes
→ 0.4 billion
 - Veneto Route cycle (Venezia-Torino)
 - Sole Route Cycle
 - Garda Route Cycle
 - Trilive Route Cycle Trieste-Lignano-Venezia
 - Adriatica Route Cycle
 - Tirrenica Route Cycle
 - GRAB Route Cycle (Bike Rome Ring Road)
 - Apulian Aqueduct Route Cycle
 - Magna Grecia Route Cycle
 - Sardinia Route Cycle

7 | QUALITY OF LIFE AND SOCIAL INFRASTRUCTURES

- Innovative programme "Quality of life"
→ 2.8 billion
- Energy and seismic redevelopment program of social housing
→ 2,0 billion
- Efficiency of judicial citadels
→ 0.3 billion
- Improvement of spaces in juvenile rehabilitation facilities 0.1 billion
→ 0,1 billion

8 | PROTECTION AND ENHANCEMENT OF WATER RESOURCES

- improvement and maintenance of key water infrastructures: dams, water tanks, aqueducts and for the security of water supply and resilience to climate change
→ 2.0 billion
- investments on water distribution networks: in particular for the South and interventions to reduce water dispersion, digitization and “smart grid”
→ 1.2 billion

9 | SYSTEM REFORMS: SIMPLIFICATION, COMPETITION AND EFFICIENCY

- **Railways:** accelerating the procedures to finalize the Program Contract between MIMS and the National Railways Network (RFI) and the authorization procedures
- **Ports:** improving the port planning, rules of State Property concessions, improvement of docks electrification
- **Logistics:** single window for import/export controls, interoperability of platforms for passengers and goods and electronic vehicle document
- **Local Public Transport:** accelerating the approval procedures for Local Public Transport (LPT) and Rapid Mass Transport (RMT)
- **Road Safety:** implementing the guide lines for bridges security and transfer of the property of bridges, viaducts and tunnels from the Local Authorities to the State
- **Water Resources:** strengthening of the governance for the water supply infrastructures



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