

# GREEN TRANSPORT STRATEGY



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REPUBLIC OF SOUTH AFRICA



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# POLICY DIRECTIVE

**The GTS is a strategic document that INFORMS, and sets out the environmental directive of the DoT.**

- **NATIONAL**
  - The Constitution of South Africa
  - National Environmental Management Act
  - White Paper on National Climate Change Response Policy
  - National Development Plan
  - National Transport Master Plan (NATMAP)
- **INTERNATIONAL**
- UNFCCC



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# PROBLEM STATEMENT

- Transport has been **identified as the fastest growing source of greenhouse gas emissions**, accounting for around **10.8% of National GHG emissions**.
- **Direct emissions from the transport sector from the road sector, account for 91.2% – mainly from the combustion of petrol and diesel.**



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# VISION, MISSION, & GUIDING PRINCIPLES

## VISION:

To substantially reduce GHG emissions and other environmental impacts from transportation with 5% by 2050

## MISSION:

Support the contribution of the transport sector to the social and economic development of the country while incrementally initiating innovative green alternative transformations in the sector to assist with the reduction of harmful emissions and negative environmental impacts associated with transport systems.

## PURPOSE:

The GTS will be the cornerstone of policy development within the transport sector regarding the lowering of GHG emissions, the contribution of transport into the green economy, the promotion of green sustainable mobility and the uptake of cleaner and more efficient technologies.

## GUIDING PRINCIPLES:

The GTS is informed by the fundamental and substantive principles of sustainable development articulated in the National Strategy for Sustainable Development



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# STRATEGIC OBJECTIVES

Enabling the transport sector to **contribute its fair share to the national effort to combat climate change** in a balanced fashion, taking into account the DoT's primary responsibility of **promoting the development of an efficient integrated transport system, to enable socio-economic development;**

Engaging the **low carbon transition of the sector**, to assist with the aligning and developing policies which promote **SUSTAINABLE** energy efficient and less carbon intensive mobility;

Facilitating the sector's **just transition to a climate resilient and low carbon economy and society.**



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# STRATEGIC OBJECTIVES (2)

To achieve **modal shifts** in the transport sector that **reduce GHG**, reduce congestion and improve temporal, spatial and economic efficiency - in particular, **by shifting passenger and freight transport from road to rail, and promoting public transport and non-motorised transport.**

To **reduce fossil-fuel related emissions in the transport sector** by promoting norms and standards and putting in place regulations that promote improved efficiency in fossil-fuel powered vehicles.

To **promote the use of electric vehicles and environmentally sustainable low carbon fuels, including CNG, biogas, biofuels, and renewable energy to provide electricity for transport.**

To promote strategies for **delivering transport infrastructure and integrated transit planning that build climate resilience** in urban and rural communities and minimize the environmental impact of transport infrastructure.



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# INTERVENTIONS & INITIATIVES

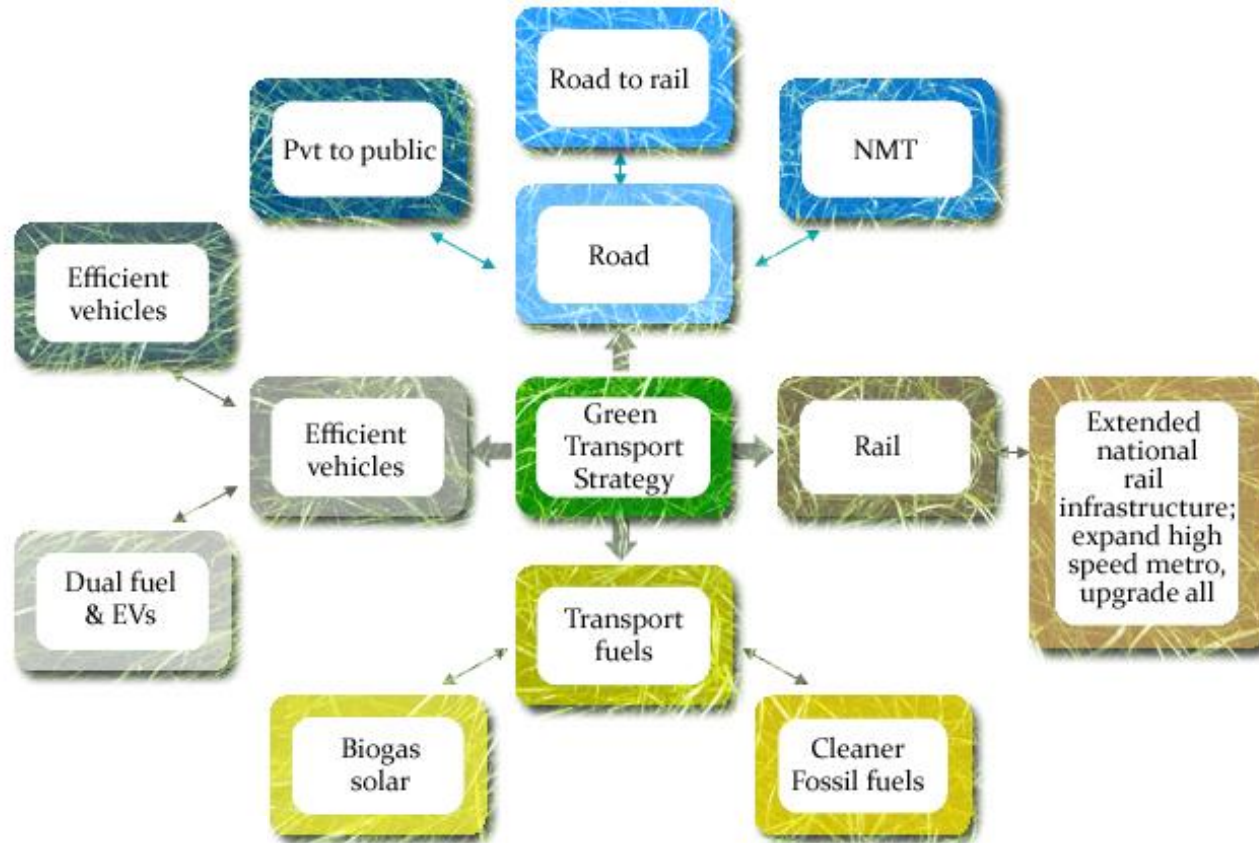
IMPLEMENTATION THEMES	STRATEGIC PILLARS
<b>Climate Change response norms and standards</b>	1. Develop norms and standards for climate change response at National, Provincial and Local level to ensure that there is consistency in the way climate change responses are implemented across different jurisdiction
<b>Green Roads</b>	2. Provide infrastructure to promote non-motorized transport 3. Provide transport infrastructure in a manner supportive of the eco-system, while not dearily compromising generations to come.
<b>Green Rail</b>	4. Extend the rail network to provide reliable, safe and affordable high-speed transport
<b>Green transport technologies</b>	5. Reduce the carbon footprint of petroleum based fuels, by decarbonizing the transport sector. 6. Promote the use of alternative fuels such as Compressed Natural Gas (CNG) or biogas, Liquefied Natural Gas (LNG), and liquid biofuels as transport fuels 7. Promote the up-scaling of electric vehicles
<b>Green Fuel Economy Standards</b>	8. Develop norms, standards and regulations that promote fuel economy in vehicles and improve emission standards of fuel in South Africa



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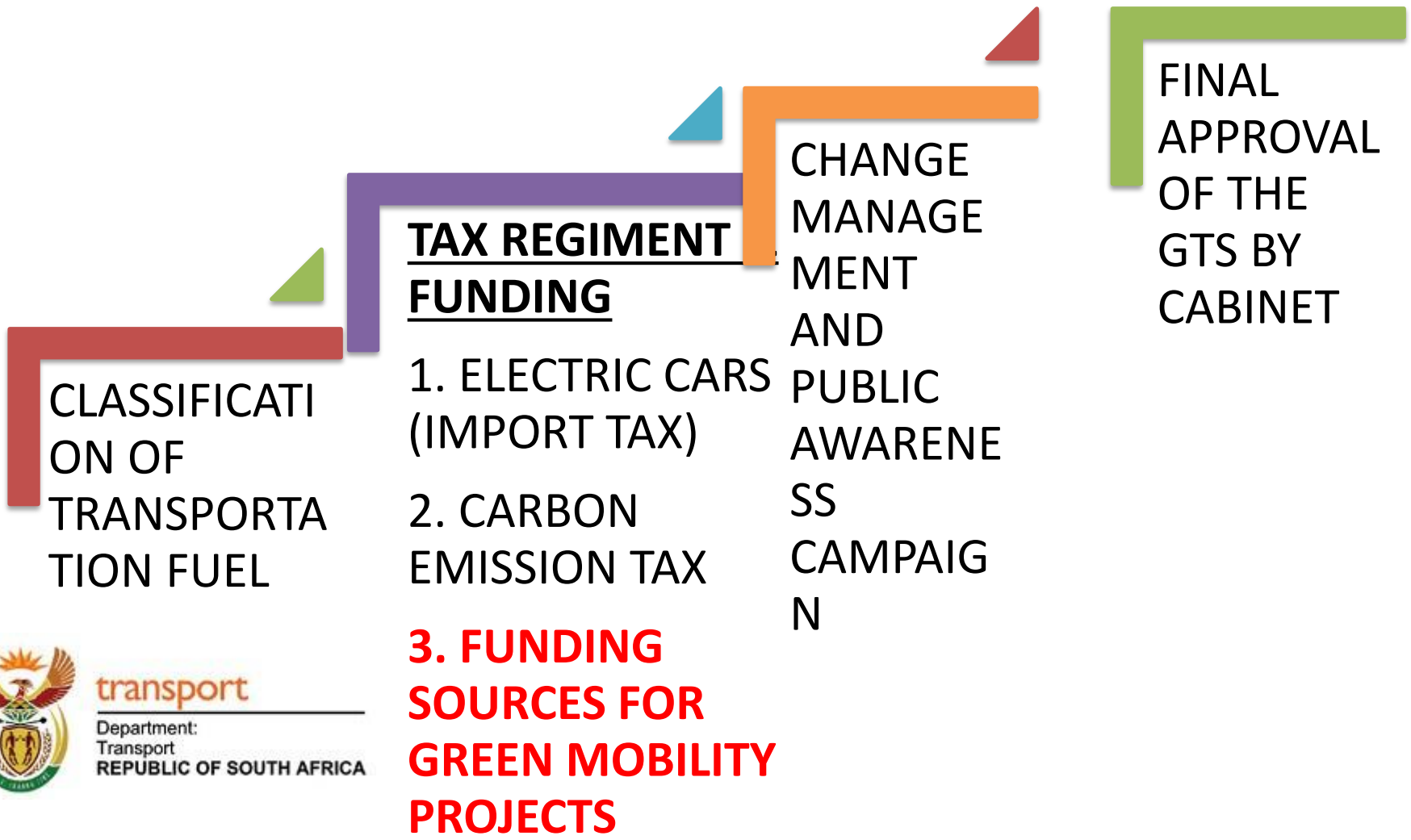
# Green Transport Strategy: Mind Map



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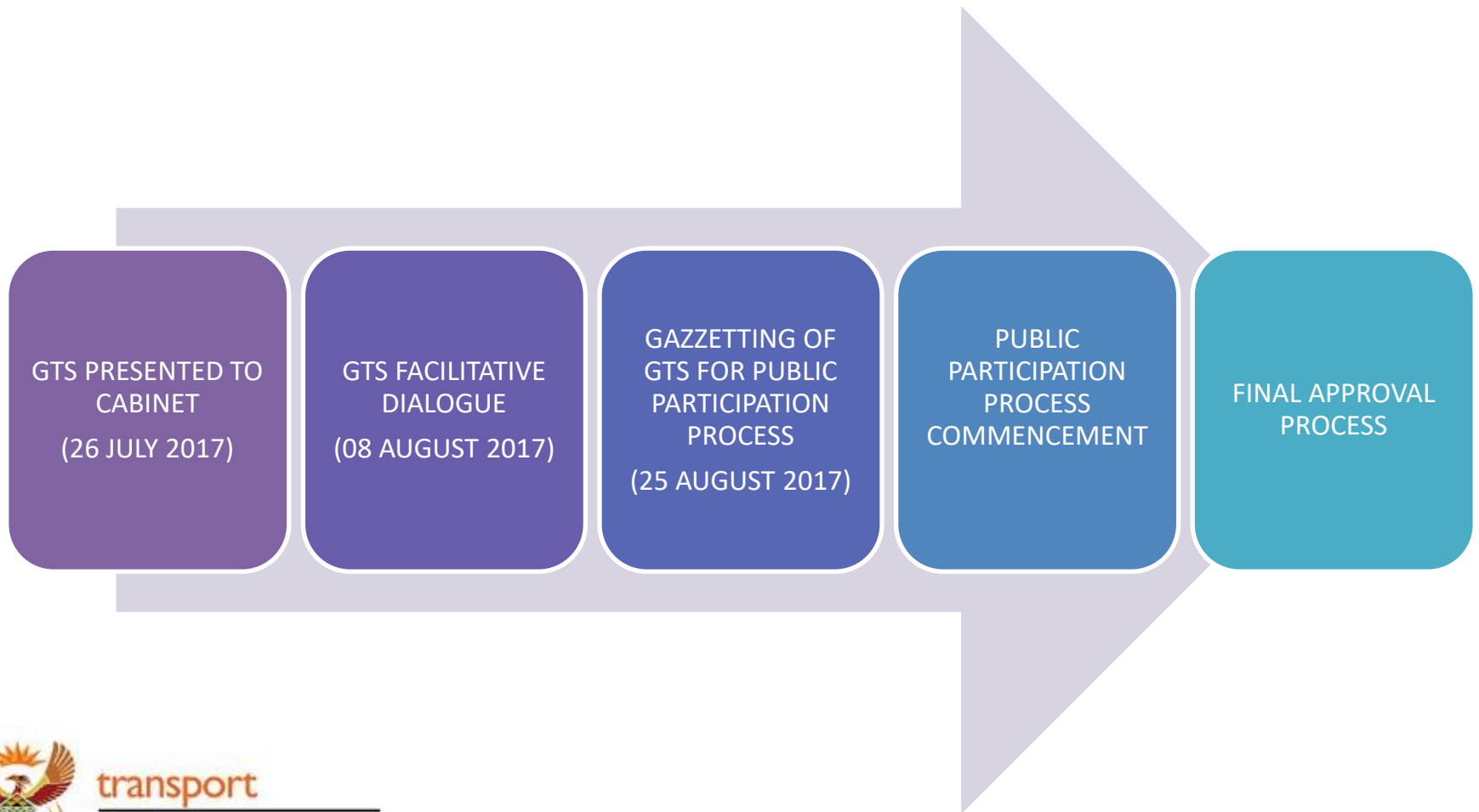
# Challenges



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# PROGRESS TO DATE



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# Conclusion

Implementing green transport solutions is vital to a sustainable, healthy economy. The GTS is envisaged, to minimise the negative effects of energy usage upon human health and the environment. This will be achieved by **encouraging sustainable energy development and energy use through efficient practices and investing heavily** in green transport in order to meet its global obligations and ensure that it's people and environment are secure in the future.



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- THANK YOU



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