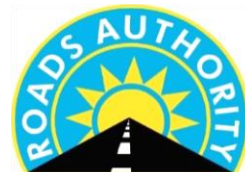




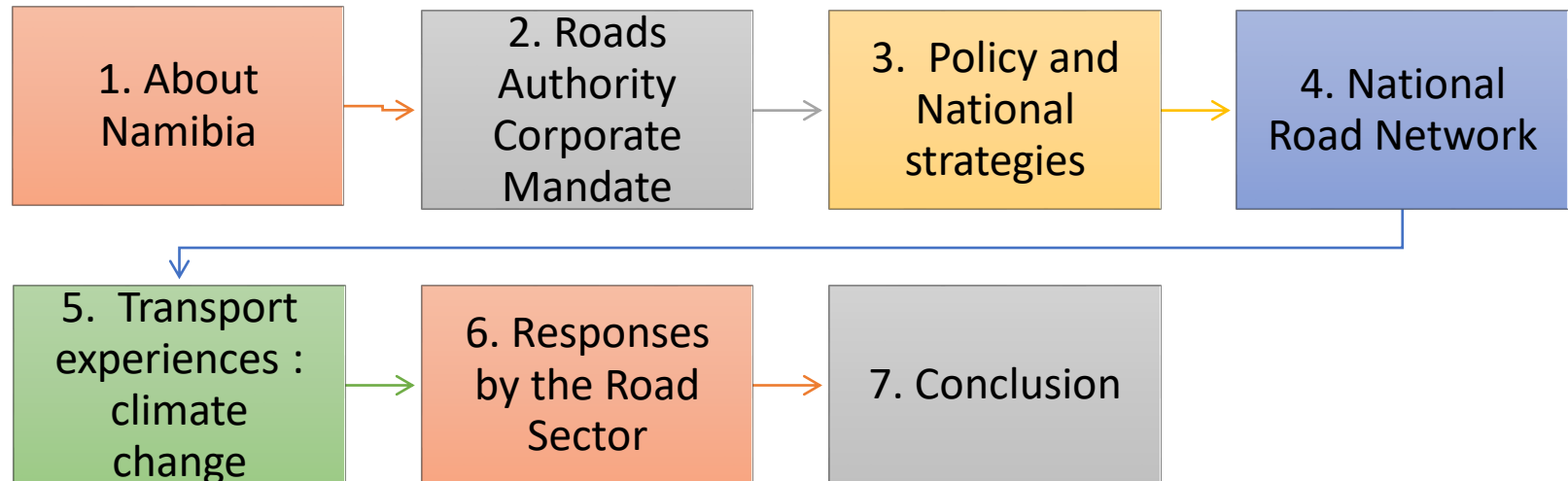
STRATEGIC APPROACH TO CLIMATE CHANGE

Specialised Technical Session on Sustainable Transport

25 November 2019, Vic Falls, Zimbabwe



PRESENTATION OUTLINE

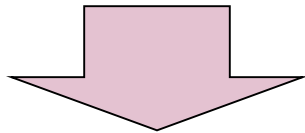
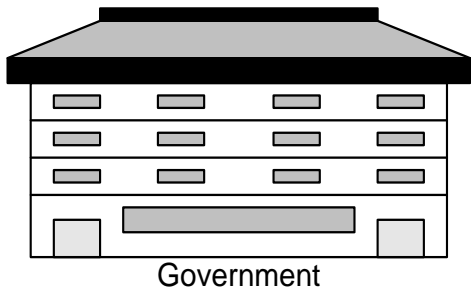


About Namibia



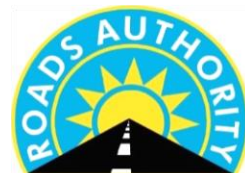
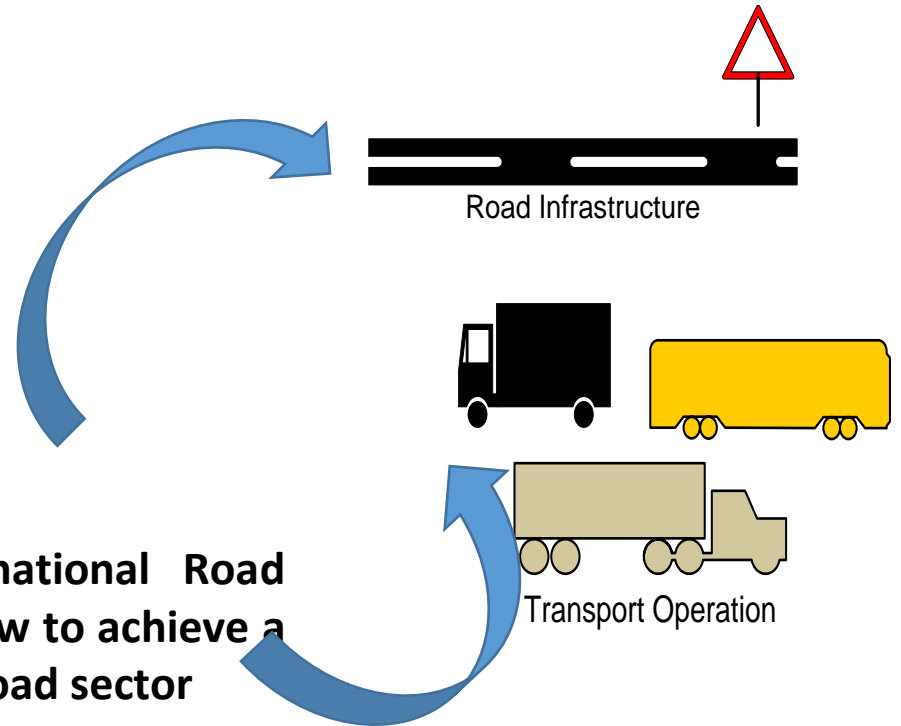
- ❖ Area of 825, 418 km²
- ❖ Population of 2.3 million
- ❖ Least densely populated country in the world (2.5 persons per km²).
- ❖ The GDP is estimated at US\$ 12 billion
- ❖ Inflation rate is at average of 5% per annum
- ❖ 1 US\$ = N\$ 15 = South African Rand

Roads AUTHORITY Corporate MANDATE



RA Mandate

Management of national Road Network with a view to achieve a safe and efficient road sector





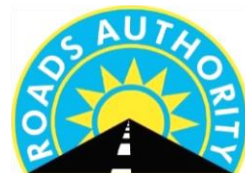
ReCAP
Research for Community Access Partnership



SSATP
Africa Transport
Policy Program

NAMIBIA ROAD NETWORK

- ❖ Total network 48,984 km
- ❖ Bitumen 8000 km
- ❖ Gravel, Salt and Earth tracks 40,984 km
- ❖ Namibia been awarded the best country with the best road infrastructure in Africa in 2017.
- ❖ Current road condition:
- ❖ surfaced 6,4% in unacceptable standard
- ❖ Unsurfaced is 46% in unacceptable standard



Policies and national strategies in response to climate change

Road Transport Sustainability Plan for Namibia, 2015.

*Incorporated into the Roads Authority Strategic Plan.

Goals:

1. Improve Road Safety

2. Enhance Preservation of Road Infrastructure

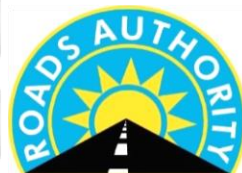
3. Promote Capacity Building and Workforce Development

4. Increase Funding for Road Transport

5. Optimise the Balance between Access and Mobility

6. Preserve Namibia's Environmental and Ecological Systems

7. Pursue New Innovations and Technologies



Policies and national strategies in response to climate change

Road Asset Management Policy and Framework: 2019

- ❖ To be aligned with RA's corporate goals and business plan.

Purpose:

- ❖ To direct the organisation's road asset management activities 5,10-20 years in achieving the road asset management objectives.
- ❖ To provides the high-level approach and a long-term strategic plan for delivering road asset management objectives

Policies and national strategies in response to climate change

Other National/Organizational Strategies in place

- ❖ **Road Maintenance Operational Strategy:** aimed at balancing road activities and within proportion of assured funding to enable road preservation and economic growth.
- ❖ **Climate change (Rural Access roads programme):** Construction of rural access roads to connect schools, clinics and government services that are cut off during rainy and flood times.

Road transport experience: climate change

- **Main Road 59:**



Experiences





dr3508: Luhonono road: Zambezi region:2017



Low culvert of 1,5 meters during flood time: 2017



Flood damages to road on construction: DR3508



FROM THEORY TO PRACTICES

Response 1:

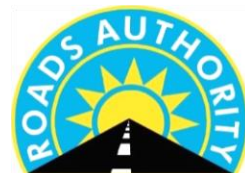
Adaptation to climate change programme, (including **research on durable road construction materials**)



Response 2

ASSET MANAGEMENT POLICY REVIEW AND FRAMEWORK- completed in August 2019

- ❖ The purpose of the Asset Management Policy is to ensure that the Roads Authority (RA), Road Fund Administration (RFA) and all other stakeholders have **information, knowledge and understanding** about the long-term and the cumulative consequences of managing and preserving the road network.



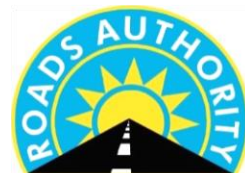
Response 3

Road Maintenance Operational Strategy 2019.

1. Balancing road activities:

- ❖ Development vs. road preservation ratio :
2018/19
- ❖ **48.4% for Development & 51, 6% for Preservation.**

- ❖ **2019/20: 51.3% for Development & 48,7% for Preservation.**



Response 3

Road Maintenance Operational Strategy: Maintenance activities allocations over the years:

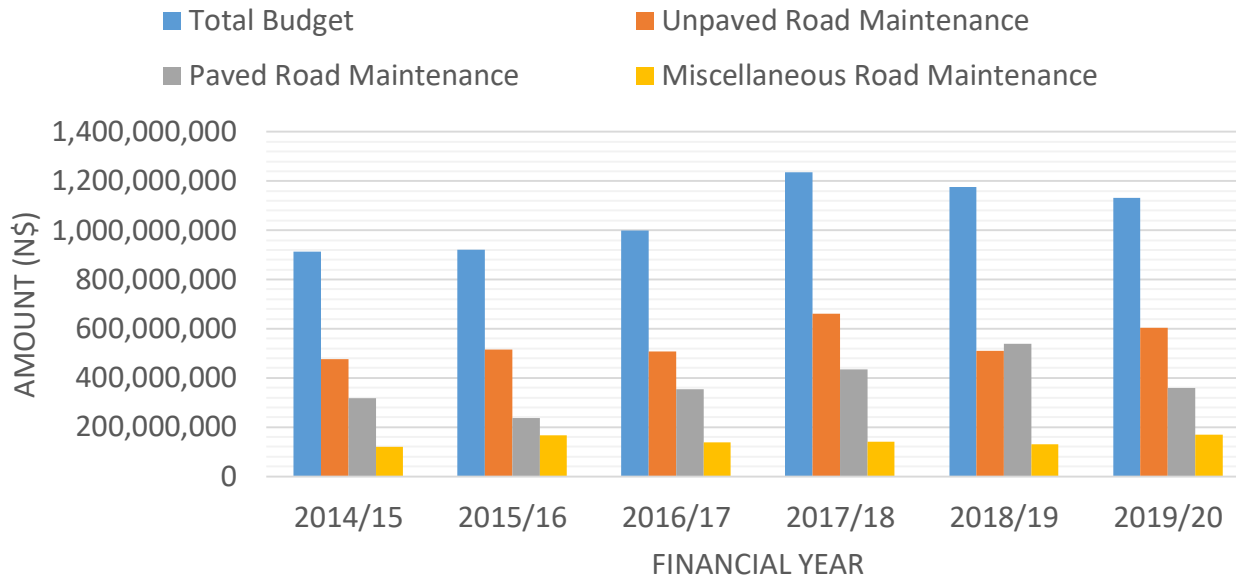
Financial Year	Total maintenance Budget	Unpaved Road (Regravelling and bladding)	Paved Road (Reseal)	Miscellaneous Road Maintenance
2014/15	913,000,000	475,000,000	317,957,500	120,042,500
2015/16	920,000,000	516,050,000	236,250,000	167,700,000
2016/17	1,000,000,000	508,251,210	354,582,339	137,166,451
2017/18	1,236,434,000	660,202,000	434,820,000	141,412,000
2018/19	1,176,440,605	508,858,605	538,158,000	129,424,000
2019/20	1,131,626,216	603,126,953	359,629,002	168,870,261

Response 3

Road Maintenance Operational Strategy:

Maintenance activities allocations over the years:

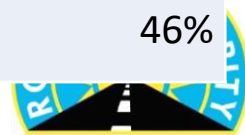
Maintenance Budget (RUCS)



Response 3

Road Maintenance Operational Strategy: Maintenance achievements over the years:

Activities	2015/16	2016/17	2017/18	2018/19
Reseal: target	716 km	700 km	600 km	600km
Reseal result	325 km	550 km	688km	886 km)
Regravelling: target	1700 km	1700 km	300 km	500km
Regravelling. result	425 km	465 km	522m	348 km
Surfaced road condition: target	8%	8%	8%	8%
Surfaced road condition: result	9 %	7%	7%	7%
unsurfaced road condition: target	8%	8%	8%	8%
unsurfaced road condition: result	58 %	46%	46%	46%



THANK YOU FOR YOUR ATTENTION

