



INTERNATIONAL SEMINAR:

Improvement of Road Network Resilience

“Strategies for Cost-Effective Climate Change Adaptation and Sustainable Development”

07 – 09 May 2025
Maputo – Mozambique

First Announcement



Co-Organized by:

- **PIARC**
- **The World Bank**
- **Ministry of Public Works, Housing and Water Resources**
- **National Roads Administration**
- **Road Fund**



Introduction

PIARC (the World Road Association) is a non-profit, non-political organization whose mission includes organizing forums, disseminating good practices, and promoting efficient road and road transport decision support tools.

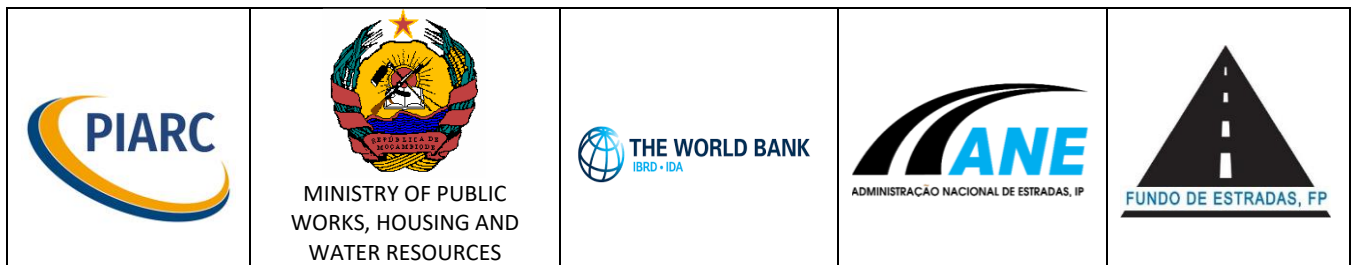
Since 1999, the Association has been organizing a program of international seminars as part of its work, strengthening its presence in the world, and contributing for improvement of the transport services around the world.

The Technical Committee 1.4 "Planning the Resilience of Road Networks - Climate change and other hazards" in the 2024-2027 cycle focuses on Strategic, tactical, and applied planning aspects of enhancing resilience, such as methodologies and approaches for resilient network planning and road infrastructure designs which reduce risk, are better prepared, more robust, and are able to respond and recover other hazard events.

PIARC Technical Committee 1.4, jointly with the World Bank and with Mozambique's Ministry of Public Works, Housing, and Water Resources, is inviting you to participate in an upcoming International Seminar on "**Improvement of Road Network Resilience: Strategies for Cost-Effective Climate Change Adaptation and Sustainable Development Climate Resilient Pavements**" to be held in Maputo, Mozambique from 07th to 09th May 2025.

Objectives of the Seminar

This seminar's main objective is to share knowledge and experience aiming at making road networks more resilient to climate change. The seminar will discuss the benefits of investments in resilience such as enhanced safety, reduced risk of traffic disruption and economic losses, cost savings over time, improved environmental sustainability, enhanced mobility and connectivity, and better preparedness for impacts of climate change.



Cost-effective strategies are important to achieve these benefits while and overcoming barriers such as higher initial construction costs and complex design processes, as well as other financial and political barriers.

Target Audience

The PIARC seminar is intended for:

- Road sector professionals (road administrations/agencies and public services, project managers, public works institutions, engineering works and consulting firms, road laboratories, etc.);
- Expert members of PIARC (World Road Association)
- Development partners and other entities involved in financing of road infrastructure;
- Experts in climate change and weather hazards;
- Suppliers of the materials for road construction and maintenance;
- Academia and researchers;
- Engineering students; and
- All interested stakeholders

Information about Mozambique

Mozambique borders Tanzania, Malawi, Zambia, Zimbabwe, South Africa, and Eswatini. Its long Indian Ocean coastline of 2,700 kilometers faces east to Madagascar. About two-thirds of its estimated 33 million people (2022) live and work in rural areas. The country has ample resources, including arable land, abundant water sources, energy, mineral resources, and newly discovered natural gas deposits off its coast. The country has three deep seaports and a relatively large potential pool of labor. It is also strategically located: four of the six countries it borders are landlocked, hence dependent on Mozambique as a gateway to global markets. Mozambique's strong ties to the region's economic



engine, South Africa, underscore the importance of its economic, political, and social development to the stability and growth of Southern Africa as a whole.

Weather

May is a winter season in Mozambique. Daytime temperatures vary between 14°C and 27°C.

Dates and Venue of the Seminar

The Seminar will take place from 07th to 09th May 2025 at:

Centro Internacional de Conferências Joaquim Chissano (Joaquim Chissano International Conference Center). <https://cicjc.co.mz/>

Maputo, Av. da Marginal

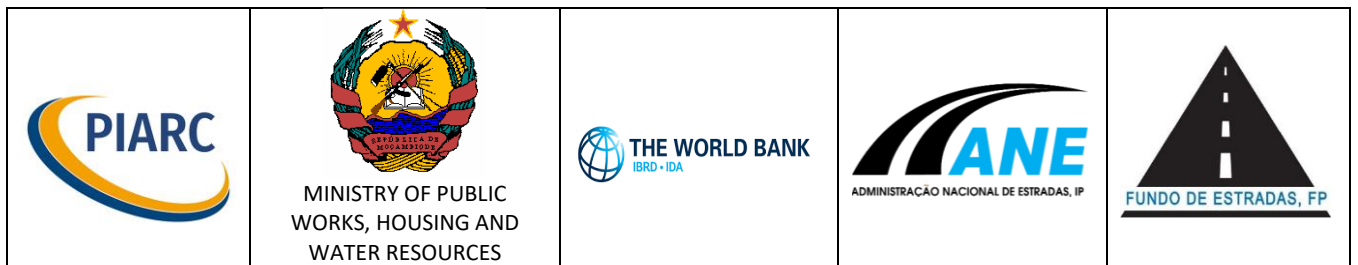
Mozambique

GPS coordinates: -25.9541682, 326088247

Proceedings and languages of the seminar

The Seminar will last for 02 days of technical sessions and one extra day for the technical visit. The first day, May 07th, will be marked by the official opening ceremony of the Seminar with the presence of Members of the Government of Mozambique, PIARC, the World Bank, other development partners and stakeholders.

The seminar will be divided into topic sessions, and several themes will be integrated into the program (see preliminary program below). The sessions will be organized over two days. Each session will consist of several presentations by the PIARC Technical Committee members, World Bank, Mozambique, and Association of Southern Africa Road Agencies (ASANRA) experts. At the end of each session, a debate will be organized to discuss the various aspects covered in the presentations with the audience.



On the 3rd day there will be a site visit to a project located about 60 km of Maputo (one hour travelling distance). It is the Moamba bridge, which some works were done recently to improve its resilience.

The languages used in the seminar will be **Portuguese and English with simultaneous translation.**

Themes

The Seminar provides an opportunity for speakers to address policy, technical and operational issues and will focus on the following major themes:

- Enlarge resilience to all hazards on top of climate change.
- Organizational resilience.
- Resilience to prevent damage of road infrastructure (past years impacts).
- Resilience of unpaved roads (rural accessibility).
- Policy framework for resilient infrastructure in Africa.
- PIARC work on resilience.
- Importance of road maintenance to achieve resilience
- Resilience / adaptation to climate change.
- Cost & benefits of resilience,
- Funding of resilience.
- Use of data (including new data sources) for road resilience, prioritization of risks, programs and interventions.
- Uncertainty and decisions (forecast of future climate).

Program of the Seminar

The following sessions are included for the seminar:

Session 1: Policy framework for resilient infrastructure in Africa and beyond

Session 2: Resilience and adaption to climate change and other hazards of road infrastructure

Session 3: Cost and benefits of resilience for road



Session 4: Planning, asset management and funding for road resilience

Session 5: Practical case studies and lessons learned on strategies for cost-effective climate change adaptation and sustainable development

The following Panel discussions will also be part of the Seminar:

Panel discussion 1: Post disaster recovery and building back better

Panel discussion 2: Future for resilience new data and future climate

Preliminary Program

Day 1:

08:00 - 09:00	Day 1 Registration	
09:00 - 9:55	Opening session	
9:00 - 9:10	Welcoming words	Elias Paulo General Director of ANE, First Delegate of Mozambique
9:10 - 9:25	Welcoming words	World Bank representative
9:25 - 9:35	PIARC Institutional Presentation	PIARC General Secretariat representative
9:35 - 9:45	PIARC Technical Committee 1.4	Shafiq Alam, Chair of PIARC Technical Committee 1.4 Road Resilience
9:45 - 9:55	Official opening	Minister of Public Works
9:55 - 10:30	Keynote session	
10:30 - 11:00	Coffee break	
11:00 - 13:00	Session 1: Policy framework for resilient infrastructure in Africa and beyond	
13:00 - 14:00	Lunch	
14:00 - 16:00	Session 2: Resilience and adaption to climate change and other hazards of road infrastructure	
16:00-16:30	Coffee break	
16:30-18:00	Panel discussion 1: Post disaster recovery and building back better	
18:00	Closing Day1	



Day 2:

8:30 - 09:00	Day 2 Registration
9:00 - 11:00	Session 3: Cost and benefits of resilience for roads
11:00-11:30	Coffee break
11:30 - 13:00	Session 4: Planning, asset management and funding for road resilience
13:00 - 14:00	Lunch
14:00 - 16:00	Session 5: Practical case studies and lessons learned on strategies for cost-effective climate change adaptation and sustainable development
16:00-16:30	Coffee break
16:30-17:45	Panel discussion 2: Future for resilience new data and future climate
17:40-18:00	Closing Session

Day 3:

8:30 - 09:00	Arrival of the Delegates at the Seminar Venue
9:00	Bus Departure to site visit
09:40-12:00	Site visit to Moamba Bridge
12:00	Bus Departure to Seminar venue
13:00 - 14:00	Lunch

Accommodation

The Organising Committee will provide participants with a list of recommended hotels and prices for overnight stays near the conference center.

Travel and transport

The capital, Maputo, is well linked to the rest of the world through Maputo international airport. Taxi services are available from the airport.

Visa procedures

Some countries are visa exempted to enter in Mozambique. However, the documents required to apply for a visa to Mozambique are standard, and procedures, applications, and deadlines may vary depending on nationality of traveler. For full information, please contact the Mozambique embassy or consulate in your country. Details can be obtained from the link below.



<https://www.evisa.gov.mz>

Organising Committee

Name	Institution
Miguel Coanai	ANE, Chair of the Organizing committee
Irene Langa Simões	Road Fund, Mozambique
Cilésia Chipepo	Road Fund, Mozambique
Calado Ouana	ANE, Mozambique
Carla Mangane	ANE, Mozambique
Juan Fernando Mendoza	TC 1.4 Secretary, Mexico
Marie Collin	TC 1.4 Secretary, France
Stuart Woods	TC 1.4 Secretary, New Zealand
Nkululeko Leta	TC 1.4 Member, South Africa
Miguel Caso Florez	PIARC Technical Director
Kaouther Matcha	PIARC Technical Advisor
Vincent Vesin	World Bank
Emmanuel Taban	World Bank

Form of participation and registration

The seminar will only be in person participation and all information about the registration will be provided by the end of January 2025.

Seminar Contact Person

For any further information or clarification that you may require, please contact Mr. Calado Ouana: caladoouana@yahoo.com.br