



2nd Announcement

International Seminar on Road Disaster Management

*Responding to Extreme Weather Impact on Road Transport and
Infrastructure*

The Capital Zimbali, Ballito – 15 &16 October 2026



Organized by:

South African National Roads Agency Limited

PIARC TC1.5 “Disaster Management

Supported by:

National Department of Transport (NDoT)

National Research Foundation (NRF)

South African Local Government Association (SALGA)

South African Road Federation (SARF)

Eswatini National Disaster Management Agency (ENDMA)

University of Kwazulu-Natal

University of Cape Town

University of Pretoria

Resilience Global

Naidu Consulting Engineers

PMA Consulting Engineers

WSP Consulting Engineers

RHDHV-Atana



1. PIARC (Permanent International Association of Road Congresses)

(The World Road Association) is a non-political, non-profit organization whose mission comprises organizing international forums, disseminating best practice and promoting efficient tools for decision making in the road transport field. As part of its work, international seminars focused on various topics are organized to expand its global presence, providing the concerns of developing countries and those in transition. Four key missions of PIARC that stand out:

- Being a leading international forum for analysis and discussion
- Identifying, developing and disseminating best practice and give better access to international information
- Considering within its activities the needs of developing countries and countries in transition fully
- Designing, producing and promoting efficient tools for decision making on matters related to roads and related transport

2. Technical Committee 1.5 Disaster Management

Technical Committee 1.5 will progress topics related to improving the way road agencies manage during natural disasters. Disaster management is a critical issue facing road administrators. Natural disasters such as floods, landslides, and earthquakes can have a devastating impact on road networks, disrupting transportation and causing significant economic and social harm.

By developing robust disaster management plans and investing in infrastructure designed to withstand these events, road administrators can help to mitigate the impact of disasters, ultimately improving the safety and resilience of their networks.

In the 2024-2027 cycle, the Technical Committee will focus on disaster management against “Extreme Weather” and will work on exploring “Operational planning aspects of enhancing extreme weather resilience” under the three topics listed below. These topics will help guide investments in future roads.

- Coping with extreme weather
- Social resilience within communities and public authorities for extreme weather
- Infrastructure resilience for supporting supply chain during extreme weather events

3. Seminar Objectives

Extreme weather impact has a wide range of implications to the roads at local, provincial, national, regional and international levels. Damage to hundreds of kilometers of roads, bridges and other infrastructure is now a prevalent event around the world which stifles economic and social activities, access to health and education for even the most vulnerable communities. This seminar is held to share expertise and offer relevant case studies, recommendations so that there are effective solutions to our preparedness, mitigation, response and recovery to extreme weather impacts.

4. Seminar Attendee

The PIARC international seminar responding to extreme weather impact on road transport and infrastructure is intended for local authorities, road network administrators, the private sector, those responsible for road traffic and safety, design engineers, infrastructure design consultants, contractors, control and technical assistant consultants, academics, researchers, engineering students, and experts in other domains of expertise related to disaster management and responding to extreme weather events.

5. Location and Dates of the Seminar

Date: October 15th and 16th
Time: 09:00-17:30(UTC)
Venue: The Capital Zimbali
Address: 6 Zimbali Drive, Zimbali Estate, Dolphin Coast Ballito



<https://www.google.com/maps?ll=-29.563806,31.190791&z=16&t=m&hl=en&gl=PH&mapclient=embed&cid=6637491368363023583>

6. Seminar Schedule

15th October

Session 1: *Coping with extreme weather*

Session 2: *Organizing specific extreme weather response*

Session 3: *Past case studies from HIC and LMIC*

Panel discussion on funding models on recovery from disaster

16th October

Session 1: *How road infrastructure can improve resilience of the country*

Session 2: *Infrastructure resilience to support supply chain*

Session 3: *Social resilience*

Panel discussions on how to manage different climates and geography within the same country

7. Registration Fee

R1250 (\$70) per day charge for all participants attending this PIARC international seminar responding to extreme weather impact on road transport and infrastructure. One (1) Engineering Council of South Africa (ECSA) Continuous Professional Development (CPD) will be

earned per day. No delegates will be permitted to attend through an online platform for this seminar, only selected speakers will be allowed to present virtually.

If you are interested in attending the PIARC international seminar on responding to extreme weather impact on road transport and infrastructure please fill out the pre-registration form here no later than 4th October 2025 <https://sarf.org.za/sarf-course/international-seminar-responding-to-extreme-weather-impact-on-road-transport-and-infrastructure/>

8. Languages

Official language for the seminar will be English.

9. Organizing Committee

Delegate	Role
Yukio Adachi	Chair TC1.5 Disaster Management
Marcelo Medina Santibanez	TC1.5 Spanish Speaking Secretary
Christopher Engelbrecht	TC1.5 English Speaking Secretary
Alain Lefebvre	TC1.5 French Speaking Secretary
Kwanele Simelane	Seminar Secretariat - RSA Representative
Tshidi Ramabya	South African Road Federation

10. Advisory Committee

Delegate	Role
Reginald Demana	South African First Delegate
Randall Cable	PIARC Executive Committee Member
Patrick Mallejacq	PIARC General Secretary
Miguel Caso Florez	PIARC Technical Director

11. Seminar Contact Persons

1. Tshidi Ramabya is SARFs main contact point for the seminar registration and queries, details below

email: Tshidi@sarf.org.za Tel No: +27 (0)11 394 9025 Cell No: 078 226 6610

2. Kwanele Simelane is the RSA representative for organizing the seminar, details below

email: simelanek@nra.co.za Cell No: +27829297344 Tel No: +2712439

Title: International Seminar "Responding to Extreme Weather Impact on Road Transport and Infrastructure"

Day - 1	Title	Speaker (or Chair)	On-site On-line
8:30-9:00	Registration		
9:00-9:45	Opening session	Master of ceremony:	
10min	Welcoming Word from Host Country	Reginald DEMANA, First Delegate of PIARC, CEO SANRAL	On-site
10min	Institutional Presentation of PIARC	PIARC General Secretariat : will discuss who could attend	
10min	Introduction from PIARC Technical Committee 1.5	[PIARC TC1.5] Yukio ADACHI, Chair of TC 1.5, Japan	On-site
15min	Official Opening from South Africa (National Department of Transport)	Minister (TBC), still waiting for the answer, but if not, Deputy Minister, Director General last level SANRAL Board Member.	On-site
9:45-11:15	Session 1 - Coping with extreme weather	Moderator: [PIARC TC1.5] Toshiyuki YAMADA (JPN)	
2min	Introduction by Session Chair		
15min	Building Climate-Resilient Municipal Road Infrastructure: Local Government's Role in Disaster Preparedness, Response, and Recovery	[South African Local Government Association] ThixoUnathi MNTONINTSHI (RSA)	On-site
15min	Road Closure Criteria: The Case of Portugal	[PIARC TC1.5] Pedro SILVA (POR)	On-line
15min	Coping with Clear Ice Hazards on Expressways	[PIARC TC1.5] Jongwook JO (KOR)	On-line
15min	Slope Management Response Strategies to Exceptional Weather Events on South African Road Infrastructure	[SANRAL] Andrew SSEKAYITA (RSA)	On-site
15min	Early Warning Systems A South African Perspective	[South African Weather Services] Tokelo CHILOANE (RSA)	On-site
10min	Q&A and debate		
3min	Conclusions by Session Chair		
11:15-11:45	Break		
11:45-13:15	Session 2 - Organizing specific extreme weather response	Moderator: [SANRAL] Tshimangadzo MASINDI (RSA)	
2min	Introduction by Session Chair		
15min	Co-Designing Smart, Resilient & Inclusive Mobility through a Participatory Framework for Disaster-Responsive Transport Planning in Urban Areas of the Global South	[University of KwaZulu-Natal] Proffessor Dillip DAS (RSA)	On-site
15min	British Columbia Provincial Emergency Exercise Program: Role of t	[PIARC TC1.5] Mike PEARSON (CAN)	On-line
15min	Strategy and Practical Use of Temporary Bridges and Retaining Structures during FLOOD 2024	[PIARC TC1.5] Jan GRUBER (CZE)	On-line
15min	Organisation Specific(SANRAL) Strategic Framework on Climate Change/Extreme Weather	[SANRAL] Dumisani NKABINDE (RSA)	On-site
25min	Q&A and debate		
3min	Conclusions by Session Chair		
13:15-14:15	Lunch Break		
14:15-15:45	Session 3 - Case studies from HIC and LMIC	Moderator: [SANRAL] Reabetswe SEKGOTHUDI (RSA)	
2min	Introduction by Session Chair		
15min	Lessons from the April 2022 KZN floods	[Tooley Solutions] Geoff TOOLEY (RSA)	On-site
15min	Disaster Management Manual in PIARC	[PIARC TC1.5] Yoshinori OBATA (JPN)	On-site
15min	Not Just Rain and Wind: What Extreme Weather Teaches Us About Transportation Security	[PIARC TC1.5] Jason CARNES (USA)	On-site
15min	Climate Resilient Drainage Design Re-evaluating P103 Failures Using Climate Adjusted Rianfall Models	[PMA Consulting] Siyabonga BHENGU (RSA)	On-site
25min	Q&A and debate		
3min	Conclusions by Session Chair		
15:15-16:15	Break		
16:15-17:30	Panel discussion 1 : Funding models for recovery from disaster	Moderator: [SANRAL/PIARC TC1.5] Kwanele SIMELANE (RSA)	
	Responding to Extreme Weather Impact on Road Transport and Infrastructure: Beyond Climate Change	[Resilience Global] Dr Andries JORDAAN (RSA)	On-site
	Rebuilding Lifelines: U.S. Strategies for Transportation Recovery Funding	[PIARC TC1.5] Chris ENGELBRECHT (USA)	On-site
	How can disaster-damaged highways be restored quickly and reliably?	[PIARC TC1.5] Yukio ADACHI (JPN)	On-site
	Municipal Infrastructure (Roads) Disaster Recovery Funding	[South African Local Government Association] ThixoUnathi MNTONINTSHI (RSA)	On-site
17:30	End of Day 1		

Day - 2	Title	Speaker (or Chair)	On-site On-line
8:30-9:00	Registration		
9:00-10:30	Session 4 - How road infrastructure can improve resilience of the country	Moderator: [PIARC TC1.5] Masaki TSUBOUCHI (JPN)	
2min	Introduction by Session Chair		
15min	Reinforcing Resilience: Adaptive Road Infrastructure for a Climate Stressed KwaZulu-Natal and South Africa	[University of KwaZulu-Natal] Mohamed MOSTAFA (RSA)	On-site
15min	Improving resilience by adapting to climate change in Victoria, Australia	[PIARC STC] Caroline EVANS (AUS)	On-line
15min	Interagency Cooperation for Disaster	[PIARC TC1.5] Ryuma NISHIKUBI (1) (JPN)	On-site
15min	Quantifying Carbon Emissions in Road Infrastructure: Objectives, Insights, and Reporting Frameworks for Sustainable Development	[Naidu Consulting] Tarlia GERALD (RSA)	On-site
15min	Exploration and Integration of new technologies in building resilience: Road Transport Disaster Management	[National Depart of Transport] Solly CHUENE (RSA)	On-site
10min	Q&A and debate		
3min	Conclusions by Session Chair		
10:30-11:00	Break		
11:00-12:30	Session 5 - Infrastructure resilience supporting supply chain	Moderator: [SANRAL] Justice CHAUKE (RSA)	
2min	Introduction by Session Chair		
15min	Integrated Climate Action in Infrastructure: Aligning Policy, Mitigation and Adaptation for a Just Transition	[Naidu Consulting] Mahendren MANICUM (RSA)	On-site
15min	Highways Emergency Management transformed through Rapid Impact Assessment	[PIARC TC1.5] John LAMB [UK]: to be confirmed a joint session with Highway UK.	On-line
15min	Expressway proactive closure management in cooperation with various stakeholders in forecast of heavy snowfall	[PIARC TC1.5] Sota TOMOBE (JPN)	On-site
15min	Planning the Resilience of Road Networks Climate Change and other Hazards – a perspective for African countries	[Full Circle Partners] Danai MAGUGUMELA (RSA)	On-site
25min	Q&A and debate		
3min	Conclusions by Session Chair		
12:30-13:30	Lunch		
13:30-15:00	Session 6 - Social resilience	Moderator: [SANRAL] Salome NAICKER (RSA)	
2min	Introduction by Session Chair		
15min	Examining Road Disaster Risk and Inequality in South Africa	[RHDHV-Atana] Karen KING (RSA)	On-line
15min	Towards Diversity and Inclusion in Road Disaster Management: Insights from the Osaka Workshop	[PIARC TC1.5] Saki YOSTUI (JPN) and Heather GRIFFIN(UK)	On-line
15min	Case studies shows the importance of social resilience in disaster management	[PIARC TC1.5] Tomo FUJITA (JPN)	On-site
15min	Bridge Instrumentation for Early Warning Detection of Risk Mitigation for Extreme Weather Events and Sustainable Structural Solutions	[Naidu Consulting] Thobekile NGCOBO (RSA)	On-site
25min	Q&A and debate		
3min	Conclusions by Session Chair		
15:00-15:30	Break		
15:30-17:15	Panel Discussion 2 - How to manage different climates and geography within the same country	Moderator: [SANRAL/PIARC TC1.5] Nomsa MODISE (RSA)	
	Meteorologist Perspective: Weather Systems RSA Context	[National Research Foundation] Dr Mary-Jane BOPAPE (RSA)	On-line
	Interagency Coordination for Managing Disparate Geographies in the U.S.	[PIARC TC1.5] Amanda ANDERSON [USA]	On-line
	Chilean Road Administration during emergencies	[PIARC TC1.5] Marcelo MEDINA (CHL)	On-line
	South African Road Transport Disaster Management Context	[National Depart of Transport] Solly CHUENE (RSA)	On-site
	Climate Resilient Transport Solutions: Insights from seven-year research into High Volume Transport across Africa and South Asia	[Tanzania Road Agency] Joseph HAULE (TZN)	On-site
17:15-17:30	Closing Session		
	Technical conclusions	[PIARC TC1.5] Yukio ADACHI, Chair of TC 1.5, Japan	On-site
	Closing Remarks	South Africa	

12. Visa Application & Requirements

To apply for a visa to South Africa, you'll need to meet certain requirements and follow specific steps. Here are the general requirements:

1. **Valid Passport:** Your passport must be valid for at least 30 days beyond your intended stay and have at least two blank pages.
2. **Completed Visa Application Form:** Fill out Form BI-84.
3. **Proof of Financial Means:** Evidence that you can support yourself financially during your stay.
4. **Travel Itinerary:** Details of your travel plans, including accommodation and flight bookings.
5. **Yellow Fever Vaccination Certificate:** If applicable, depending on your travel history.
6. **Employment Confirmation:** If you are employed, a letter from your employer.
7. **Criminal Record Check:** If required for your visa type.
8. **Additional Documents:** Specific to the type of visa you are applying for.

You can find more detailed information and apply for a visa on the <https://www.dha.gov.za/index.php/immigration-services/exempt-countries>

If you have any more questions or need further assistance, feel free to ask!

References

[1] [Department of Home Affairs - Apply for a South African Visa](#)

13. General Information

About Zimbali Estate

a coastal resort which is the epitome of luxurious estate living, located within the KwaDukuza Local Municipality which falls under the iLembe District and five minutes' drive from the King Shaka International Airport. Sprawling over 350 hectares of stunning terrain, Zimbali Coastal Resort is a sophisticated fusion of premium lifestyle amenities, natural beauty and modern estate design which is ideal for international delegates from a safety and comfort perspective. Accommodation for delegates is recommended within Zimbali Estate for ease of logistics and to avoid shuttling delegates around the area, accommodation facilities are within walking distance from conferencing facilities of the seminar venue

Travelling and transportation to Zimbali, it is more convenient to fly directly through the King Shaka international airport alternative fly through the OR Tambo international airport in Johannesburg then transiting with domestic flights to King Shaka is an option.

Getting Around in Zimbali

- **Uber:** Uber is one of the best ways to get around Zimbali and surrounding areas
- **Rent a Car:** Zimbali (Ballito) is rather widespread and with many things to do around and beyond.
- **Shuttle Services:** SANRAL will provide this service to seminar delegates accommodated far from seminar venue

Zimbali Estate and the surrounding residential areas are generally safe, especially in tourist areas like beaches, farms and golf courses. Townships: Areas have higher crime rates. Guided tours are recommended for people who want to visit the townships.

14. Accommodation

Zimbali offers diverse areas for accommodation, catering to various preferences. For a vibrant, central experience, ideal for beach lovers and stunning views.

Accommodation Options:

Property Name	Price (R)
Ocean Club Zimbali Lakes Resort Ballito B13	R 1 335
Zimbali Ocean Club	R 1 200
The Capital Zimbali Resort	R 2 200
At The Sea Ballito	R 1 068
216-Koi living Ballito	R 1 620
Regal Inn Ballito	R 890
Zimbali View Eco Guesthouse	R 1 484
Zimbali Lodge By Dream Resorts	R 3 026

SEMINAR VENUE

Hampshire Hotel-Ballito
4.1 ★★★★★ 731 Google reviews 3-star hotel www.hampshirehotel.co.za 032 586 6000
Nightly price: R 1 292 (Fri, 08 Aug - Sat, 09 Aug)
Reviews: 4.1 ★★★★★ 731 reviews

Ebandla Hotel And Conference Center
4.2 ★★★★★ 390 Google reviews 4-star hotel www.ebandlahotel.co.za 032 947 2550
Nightly price: R 1 964 (Tonight - Tomorrow)
Reviews: 4.2 ★★★★★ 390 reviews

Beverley Hills Studio
Ballito Show on map 0.9 km from centre Beach nearby
1.1 km from beach
One-Bedroom Apartment
Entire apartment • 1 bedroom • 1 bathroom • 38 m²
1 large double bed
5 nights, 1 adult
ZAR 4,550
Includes taxes and charges
See availability

Other Hotels Around Zimbali

- Fairmont Zimbali Resort
- La Montagne
- Coco De Mer Boutique Hotel
- Ballito Hills
- Sala Beach House



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