

Welcome to the 3rd Road Maintenance Forum

13 April 2023



• I N T E R N A T I O N A L •

Road Maintenance Day

The infographic features a central illustration of a red car driving on a road through a forest. Below the illustration, the text reads: "#IRMD2023: 'Maintaining roads is protecting the environment'". The infographic is divided into three colored sections: a pink section for Social Development, a green section for Environment, and a yellow section for Economy. Each section includes an icon and a brief description of how road maintenance contributes to that area.

#IRMD2023: "Maintaining roads is protecting the environment"

 Social Development Road maintenance ensures territorial cohesion and guarantees access to basic goods and services.	 Environment Road maintenance is an effective action to prevent CO2 emissions from road transport.	 Economy Road Maintenance protects the road asset and avoids a debt burden on future generations.
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Social Media : #IRMD2023

Welcome

Background

Objectives

18 Panelists - **320** Registered Delegates -



Authority	Paved	Gravel	Total
SANRAL	22,262	0	22,262
Provinces – 9	46,511	226,273	272,782
Metros – 8	51,682	14,461	66,143
Municipalities	37,680	219,223	256,903
Total	158,124	459,957	618,081
Unproclaimed (estimated)		131,919	131,919
Estimated total	158,124	591,876	750,000



Background to The “Roads Maintenance Forum”

- 16 November 2021 : Concept of a SAT RRM Workshop put together and circulated to select individuals
- 02 December 2021 : SAT initiative for a workshop – RRM planning group met (1st Steering Committee)
- 07 February 2022 : 2nd RRM Steering Committee met – Sabita assumed leadership & creation of RMF
- 24th ... 25th February 2022 : First National Roads Maintenance Indaba took place (NDoT)
 - “to build consensus within the State to address the roads crisis in South Africa”
 - “including agreeing on plans of action regarding issues such as maintenance strategies, delivery models, addressing capacity, etc”

Background to The “Roads Maintenance Forum”

- 24th ... 25th February 2022 : First National Roads Maintenance Indaba took place (NDoT).... (continued)
- Themes discussed was the paradigm shift from traditional road maintenance to the road asset management approach.
- NDoT voiced concern about the **gaps in skills** between existing human resources and the requisite specialised engineering skills.
- These skills (required to implement road infrastructure projects), are inter-alia.....
 - asset management,
 - engineering,
 - quantity surveying,
 - road engineering and operations,
 - financial and economic analysis for infrastructure projects,
 - demand modelling.

Background

- **07 April 2022 : 1st RM Forum** held online

Topics agreed for discussion:

- Systems
- Materials
- Quality
- Laboratories
- Resolutions

- 13 panelists .. 348 delegates .. 144 others unable to attend (total = 505)

- **05 October 2022 : 2nd RM Forum** held online

14 panelists ... 300+ delegates

Objectives of the RMF

- Providing a perspective of overarching **strategic issues** as it affects road maintenance
- Promoting **best practice** - particularly training of emerging contractors;
- Co-ordination and **linkage** with other groupings;
- Establishment of **task groups** with specific national objectives;
- Provision of **sufficient time** for participation/discussion/advice and for social interactions;
- Dissemination of **new technologies**
- Provision of a forum for **acceptance of technological changes**;
- Provision of a forum for interaction **between theory and practice** and for identification of **technology development needs**



CPD reference Number : SAT 0084-13-04-2023-RMF



3rd RM Forum Programme:

Welcome, background & objectives

Systems (Phil Hendricks):

Joburg Pothole Patrol Initiative - *Ayanda Ntshingila - JRA*
Road Maintenance and the environmental impact - *Hilton Scholtz - City of Cape Town*
Proforma Maintenance Contracts - *Naashif Mowzer - SANRAL*
Fixing potholes, through CSI - *Charl van Schalkwyk – Raubex*

Materials (John Onraet)

Latest Developments in cold mix asphalt - *Colin Brooks - AECI Much Asphalt*

Training (Rudolf Murray)

Challenges Experienced with Road Maintenance Training - *Gawie Burger - Tjeka Training & Ken Falkenberg - ACS*
Maintenance issues in tertiary curricula *Ashaadia Kamalie & Patrick Neal - CPUT*
RRM Qualification and the QCTO - *Abeeda Holdstock*

Quality Testing (Wim Hofsink):

Status of public sector laboratories - *Barry Pearce*
Status of the laboratories housed at Engineering 4.0, with special reference to the SANRAL National Reference Laboratory
Abdul Esakjee
Status of the CSIR Research Laboratory - *Dr Noluthando Mayedwa*

Resolutions and thanks