



BWV | Belgische
Wegenvereniging



Vlaanderen
is wegen en verkeer

Wat is PIARC, welke TC's, welke informatie, welke deelnemers? Hoe je weg vinden in de informatie?

Anne-Séverine Poupeleer, Agentschap Wegen en Verkeer
14 mei 2024, Sterrebeek

> Origine et Histoire Oorsprong en Geschiedenis



- Création : 2000
- Fusion de
 - L'Association royale permanente des Congrès belges de la route (1931)
 - Comité national belge de PIARC (1959)
- Membre fondateur de l'Association mondiale de la route – PIARC (1908)
- 2 congrès mondiaux en Belgique (Bruxelles 1910-1987)

- Stichting : 2000
- Fusie van
 - Permanente Koninklijke vereniging van Belgische Wegencongressen (1931)
 - Belgische Nationaal Comité van PIARC (1959)
- Stichtend lid van PIARC – World Road Association (1908)
- 2 wereldcongressen in België (Brussel 1910 – 1987)

> Missions Missies



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- Comité national belge de PIARC
 - Promotion des progrès des techniques routières
 - Promotion du secteur routier
 - Coopération entre les acteurs de la route
 - Coopération internationale
- Belgisch nationaal comité van PIARC
 - Bevordering van vooruitgang in wegtechnieken
 - Promotie van de wegsector
 - Samenwerking tussen belanghebbenden
 - Internationale samenwerking

> Membres Leden



- 89 membres
 - 4 membres institutionnels
 - 19 membres collectifs
 - 66 membres individuels
- Regroupe:
 - des délégués de l'Etat fédéral et des Régions
 - des délégués des collectivités locales, organismes publics ou d'intérêt public, associations scientifiques, techniques ou professionnelles
 - des délégués des entreprises commerciales ou industrielles, entrepreneurs, fournisseurs, bureaux d'études, fédérations professionnelles, etc.

- 89 leden
 - 4 institutionele leden
 - 19 collectieve leden
 - 66 individuele leden
- Verenigt:
 - afgevaardigden van de federale Staat en de gewesten
 - afgevaardigden van lokale overheden, openbare instellingen en instellingen van openbaar nut, wetenschappelijke, technische of beroepsverenigingen, enz.
 - Afgevaardigden van commerciële of industriële ondernemingen, aannemers, leveranciers, studie bureau, beroepsfederaties, enz.

> Lieu de rencontre Ontmoetingsplaats



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- Plateforme unique de rencontre et d'échange
- Centres d'intérêts:
 - Avancées techniques dans la construction, l'entretien et l'exploitation des routes
 - Gestion de l'espace public, mobilité et circulation routières, patrimoine et équipements
- Uniek ontmoetings- en uitwisselingsplatform
- Interesses:
 - Technische vooruitgang in de aanleg, het onderhoud en de exploitatie van de wegen
 - Beheer van de openbare ruimte, wegmobiliteit en verkeer, kennis van erfgoed en uitrusting

> Lieu de rencontre Ontmoetingsplaats

- Activités bilingues:
 - Congrès belge de la Route
- Tweektalige activiteiten:
 - Belgische wegencongres



De **weg** ter harte
Au cœur de la **route**



- Séminaires et journées d'études
- Visites de chantier
- Publications
- Seminars en studiedagen
- Werfbezoeken
- Publicaties



> Les dernières activités De recentste activiteiten

- Séminaire sur la méthodologie de conception
- Visite du chantier du tunnel Léopold II (Bruxelles) – Tunnels Kinkempois & Grosses-Battes (Liège)
- Après-midi d'étude sur les voies de circulation limitées aux heures de pointe (50 participants)
- Séminaire sur la rénovation des tunnels au niveau des 3 régions (170 participants)
- Présence au Salon Municipalia (WEX, Marche-en-Famenne)
- Seminar <Ontwerpmethodologie>
- Bezoek aan de werkzaamheden in de Leopold II-tunnel (Brussel) – Kinkempois- & Grosses-Battes tunnels (Luik)
- Studienamiddag spitsstroken (50 participants)
- Seminarie over tunnelrenovatie bij de 3 gewesten (170 deelnemers)
- Aanwezig op Municipalia (Wex, Marche-en-Famenne)



Opzoekingscentrum voor de Wegenbouw
Samen voor duurzame wegen

Centre de recherches routières
Ensemble pour des routes durables







- BWV staat voor kennisdeling binnen België over de gewestgrenzen en organisatiegrenzen (publiek en privé) heen
- AWV nam 4 dec'23 voorzitterschap BWV over van SPW
- Voorzitter is "first delegate" van België voor **PIARC**

What is PIARC?

- **PIARC = World Road Association**
- We were **founded in 1909** as a non-profit, non-political association
- **First global forum for the exchange of knowledge, policy and practice on roads and road transport**
- Recognised for the quality and neutrality of our work
- Work with HICs as well as with LMICs

- We have **127 member governments**, as well as regions, groups/companies and individuals.

- The Association mobilizes the experience and knowledge of **1,200 experts** from more than 80 countries in **20+ Technical Committees and Task Forces**.



> Hoe werkt PIARC?

- Op basis van **vrijwilligers**, experts uit publieke en private sector.
- Sinds 1909 organiseert PIARC **elke vier jaar** een World Road Congress.
- Het doel van het congres is om een forum te bieden voor professionals van over de hele wereld, in elk facet van de **ontwikkeling, het beheer en de exploitatie van wegen** en wegvervoer, om hen inzicht te geven in de vooruitgang die in verschillende landen wordt geboekt. om **actuele kwesties** en de **toekomstige uitdagingen** van de wegsector te bespreken, en om **kennis te delen.**

XXVIIth World Road Congress Prague, 2-6 October 2023

“Together on the road again”



“Together on the road again”



> 27ste Wereld Wegen Congres

- Samenbrengen van meer dan **6.000 deelnemers** uit 120 landen samen (waaronder 1.700 Tsjechische en Slowaakse studenten, 4.000 afgevaardigden en 40 ministers en vice-ministers van over de hele wereld)
 - Kennis, diverse standpunten, het beste beleid en de beste **praktijken deelden**.
 - Het congres organiseerde **65 sessies**, 16 workshops en 15 technische bezoeken in 5 dagen.
 - Presentatie van resultaten van rapporten van de cyclus 2020-2023
=> www.piarc.org
-

OUR PUBLICATIONS

DIRECTORY OF TECHNICAL REPORTS

Technical reports 2020 - 2023

Technical reports 2016 - 2019

Technical reports 2012 - 2015

ROUTES/ROADS MAGAZINE

ROAD DICTIONARY

Term search

Search per theme

Help

ONLINE MANUALS

SOFTWARE AND TOOLS

WORLD ROAD CONGRESSES

WORLD WINTER SERVICE AND ROAD RESILIENCE CONGRESSES

INTERNATIONAL SEMINARS

INTERNATIONAL CONFERENCES

PIARC News

THE SUCCESS OF THE 27TH WORLD ROAD CONGRESS IS STILL ECHOING!

For five days, Prague was at the forefront of international discussions on roads and road transport.



[Home](#) » [Our activities](#) » [Directory of Technical reports](#) » [Technical reports 2020 - 2023](#)

PIARC publications from 2020 - 2023 work cycle

This page presents the technical reports of the 2020-2023 work cycle of PIARC (World Road Association). They are available in one or more of the three working languages of the Association which are French, English and Spanish and have been published after a meticulous validation and quality control exercise.

These reports will be published as they are drafted by our [Technical Committees](#), which work according to the objectives set out in the [Strategic Plan 2020 - 2023](#). Reports from the previous work cycle are already available on [this page](#).

They are accessible directly by clicking on the reference in the right column of the table below. This follows the structure of the 2020 - 2023 Strategic Plan.

» [Strategic Theme 1 - Road Administration](#)

» [Strategic Theme 2 - Mobility](#)

» [Strategic Theme 3 - Safety and Sustainability](#)

» [Strategic Theme 4 - Resilient Infrastructure](#)

» [Special Projects](#)

» [PIARC Technical Reports on the COVID-19 crisis](#)

» [Cross-Cutting Committees](#)

Technical Committee 1.1 "Performance of Transport Administrations" focuses on identifying best practices for establishing a framework for measuring the efficiency and effectiveness of Transport Administrations, including the establishment of assessment indicators/evaluation indexes (benchmarking) that can be used to recognize opportunities for improving the overall performance of transport administrations, with a particular focus on overall customer experience and communication of performance information. All this, taking into account the impact of the sharing economy and other disruptive technologies on the performance of Transport Administrations.

In addition, Technical Committee analyzes effective approaches for defining and promoting diversity in opportunity across the roads and transportation sectors, as well as how to attract new employees into the transport industry/profession, specially, young professionals. ([extract from the Strategic Plan](#))

[In brief](#)[Members](#)[Minutes of meetings](#)[Former Committee](#)

Issues

- 1.1.1 Understanding how Road and Transport Administrations are measuring the efficiency and effectiveness of Customer Experience and Public Value Creation
- 1.1.2 The Role of Transport Agencies in Shaping Disruptive Technology and Service Models
- 1.1.3 Organization of Staff and Human Resources

WORKSPACE



» Reserved for Technical Committee 1.1 members

MORE INFORMATION

» Terms of reference TC 1.1 - Performance of Transport Administrations

KNOWLEDGE BASE

» Governance of road authorities



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English



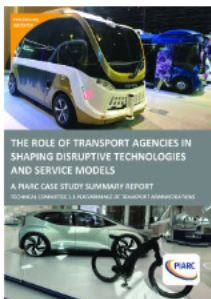
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» **The Role of Transport Agencies in Shaping Disruptive Technologies and Service Models - Case Study Summary Report**



Through its Technical Committee 1.1 Performance of Transport Administrations , PIARC is undertaking an extended investigation of disruptive technologies & service models impacting the roads and transport sector, and how transport agencies are responding to the related challenges and opportunities in policy, regulatory and organisational terms. Key questions being examined by TC 1.1, via its Working Group 2, include: · What are the technologies and service models having the greatest potential [...]

» **Customer Experience -Case Study Analysis**



Research continues to show that when public agencies offer a better customer experience, they deliver measurable impacts across multiple priorities. To that end this report focusses its research on what approaches are currently happening across the world in respect of delivering an improved experience for all our customers and stakeholders. It is acknowledged that in many industries, the term “user” designates a person who uses a product or service and the term “customer” refers to a person [...]

» **The Role of Transport Agencies in Shaping Disruptive Technologies and Service Models - A Private Sector Roundtable**



Through its Technical Committee 1.1 Performance of Transport Administrations, PIARC is undertaking an extended investigation of disruptive technologies & service models impacting the roads and transport sector and how transport agencies are responding to the related challenges and opportunities in policy, regulatory, and organisational terms. Key questions being examined by TC 1.1 include: • Which technologies and service models are having the greatest potential impact, in which ways, and [...]



> What?

Nieuwe cyclys 2024-2027

PIARC

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DISCOVERING PIARC WORK TOPICS & ACTIVITIES NEWS & AGENDA

WHO WE ARE + ALL MEMBERS + TECHNICAL COMMITTEES +

STRATEGIC PLAN + BECOME A MEMBER OF PIARC + NATIONAL COMMITTEES +

ORGANISATION + BENEFITS OF THE ASSOCIATION + COLLABORATE WITH PIARC +

GENERAL SECRETARIAT + HOW TO BECOME A MEMBER? +

Experts are nominated by member countries to work on issues identified under the Associations' Strategic Plan, a key 'directions' document endorsed by member countries.

Technical Committees allow participants to access global information and expertise, along with professional development and networking opportunities.

Strategic Themes

Correspondence from the SG

Kick-off meetings 2024

The [Strategic Plan for 2024-2027](#) sets the organization structure of the Technical Committees according to four Strategic Themes:

- » Strategic Theme 1 - Road Administration
- » Strategic Theme 2 - Road Mobility
- » Strategic Theme 3 - Safety and Sustainability
- » Strategic Theme 4 - Resilient Infrastructure

ST 1 - Caroline EVANS (Australia)



ST 2 - André BROTO (France)



> Wie is actief waar?

CT/TC		OCW - CRR	SPRB - GOB	MOW - AWV	SPW	PRIVE	JEUNES - JONGEREN
1	<i>Strategic Theme 1 - Road Administration Administration des routes</i>						
TC 1.1	Performance of transport administrations Performance des Administrations de transport			Anne-Séverine Poupeleer			
TC 1.2	Contribution of roads to economic and social development Contribution des routes au développement économique et social						
TC 1.3	Finance and procurement Financement et passation des marchés			Gijs Moors			
TC 1.4	Planning the resilience of road networks - Climate change and other hazards Planification de la résilience des réseaux routiers - changement climatique et autres aléas			Eva Van den Bossche	Asset Management - agent en cours de recrutement		
TC 1.5	Disaster management Gestion des catastrophes		Alain Lefebvre secr F				
TF 1.1	HDM-4						
2	<i>Strategic Theme 2 - Road Mobility Mobilité routière :</i>						
TC 2.1	Roads for accessibility and mobility in urban and periurban areas Routes pour l'accessibilité et la mobilité dans les zones urbaines et périurbaines	Wanda Debauche Alvaro Defalque					
TC 2.2	Roads for equity, accessibility and mobility in rural and interurban areas Routes pour l'équité, l'accessibilité et la mobilité dans les zones rurales et interurbaines						
TC 2.3	Sustainable freight Transport durable de marchandises			Cédric Vaast	Nicolas Rigo		Sarah Gabriel (SPW)
TC 2.4	Road network operations and ITS for sustainability Exploitation des réseaux routiers et STI pour le développement durable				Dominique Verlaine		
TC 2.5	<i>Road infrastructure for connected and automated mobility (new)</i> <i>Infrastructures routières pour la mobilité connectée et automatisée (nouveau)</i>	Hinko Van Geelen			Denis Cornet		

> Wie is actief waar?

CT/TC		OCW - CRR	SPRB - GOB	MOW - AWV	SPW	PRIVE	JEUNES - JONGEREN
3	Strategic Theme 3 - Safety and Sustainability / Sécurité et Durabilité						
TC 3.1	Road Safety Sécurité routière	An Volckaert				Jean-François Gaillet	
TC 3.2	Winter service Viabilité hivernal				Housseine Kadioglu		
TC 3.3	Asset Management Gestion du patrimoine routier	Ali Yeganeh Tim Massart			Nicolas Leroy		
TC 3.4	Environmental Impacts of Road Infrastructure and Transport Impacts environnementaux des infrastructures routières et des transports						
TC 3.5	Road infrastructure for road transport decarbonization (new) Infrastructures routières pour la décarbonation du transport routier (nouveau)						
4	Strategic Theme 4 - Resilient Infrastructure / Infrastructure résiliente:						
TC 4.1	Pavements Chaussées	Alexandros Margaritis		Margo Briessinck President	Thierry Loppe	Luc Riens Eupave	Houtart Bénédicte: associate member representing EUPAVE
TC 4.2	Bridges Ponts				Pierre Gilles Secr F		Secr F Houtart (SPW)
TC 4.3	Earthworks Terrassements						
TC 4.4	Tunnels Tunnels			Tom Otten	Sabine Stassart	Patrick D'Espallier (Nestaan)	Jonathan Demoulin (SPW)
TC 4.5	Decarbonization of road Construction and Road Maintenance (new) Décarbonation de la construction et de l'entretien des routes (nouveau)						
TF 4.1	Road Design Standards Normes de conception des routes				Régis Lorant		
Terminology Committee / Comité de la terminologie		Johan Vandermeulen					
Road Statistics Committee / Comité des statistiques routières							
		Membre / Lid					
		Membre correspondant / Corresponderend lid					
		Membre associé / Geassocieerd lid					
		Membre des municipalités ou des autorités locales / Lid van steden of lokale autoriteiten					

> What?

Home » Discovering PIARC » Technical Committees » Strategic Theme 4 - Resilient Infrastructure

Strategic Theme 4 - Resilient Infrastructure

Resilient road infrastructure is essential for ensuring the safety and reliability of our transportation systems. Building and maintaining roads that are able to withstand natural hazards and other challenges, we can help ensure that people are able to travel safely and efficiently.

Strategic Theme 4 "Resilient Infrastructure" responds to the key infrastructure issues aims to provide information on how to address them.


Technical Committees

- » **TC 4.1 Pavements**
- » TC 4.2 Bridges
- » TC 4.3 Earthworks
- » TC 4.4 Tunnels



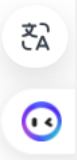
Technical Committee 4.1 Pavements

WORKSPACE



- » Reserved to Coordinator, Presidents and Secretaries of Theme 4

STRATEGIC THEME 4



> What?



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4.1 Pavements

During the 2024-2027 cycle **Technical Committee 4.1 "Pavements"** focuses on pavements and road surface characteristics. A cross-cutting theme for ST4 is the reduction of carbon footprint. TC 4.1 contributes to this task with a report on carbon calculators for pavements and case studies on how to reduce the carbon footprint during the construction of the pavement and/or its use. Pavements in urban areas get more and more attention, albeit for fighting heat island effects or for providing a surface for "new" types of vehicles and other road users. (*[extract from the Strategic Plan](#)*)

In brief



Members



Minutes of meetings



Former Committee

Issues

- 4.1.1 Road monitoring for quality control of new pavements: technical report
- 4.1.2 Functional wearing courses and surface treatments
- 4.1.3 Reducing carbon footprint for pavements
- 4.1.4 Pavements for urban areas
- 4.1.5 Low-cost pavements
- 4.1.6 10th Symposium on Pavement Surface Characteristics (SURF 2026)

WORKSPACE



» Reserved for Technical Committee 4.1

MORE INFORMATION

» Terms of reference TC 4.1 - Pavements

KNOWLEDGE BASE

» Road Pavements

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> What?

In brief

 **Members**

 Minutes of meetings

 Former Committee

CHAIR

BRIESSINCK Margo 

ENGLISH-SPEAKING SECRETARY

AHLSTROM Gina 

FRENCH-SPEAKING SECRETARY

BERGAOUI SRIHA Aïda 

SPANISH-SPEAKING SECRETARY

DELGADO ALAMILLA Horacio 



» Reserved for Technical Committee 4.1

MORE INFORMATION

» Terms of reference TC 4.1 - Pavements

KNOWLEDGE BASE

» Road Pavements

NEWS

» Disaster Management and Recovery Techniques for Road Administrators - Technical Report

» Extended deadline! - PIARC Special Projects: Open calls for proposals

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Home » Work topics » Resilient Infrastructure » Road Pavements

Road pavements



» Publications of the Association

Find all publications of PIARC organized by topic

» Technical Reports

Technical reports prepared by the Technical Committees in the field of road pavements

» Articles

Articles published in the magazine Routes / Roads in the field of road pavements

» Seminars and workshops

International Seminars proceedings organised by PIARC in the field of road pavements

More information

TECHNICAL COMMITTEE

» 4.1 Pavements

LATEST PUBLICATIONS

- » Disaster Management and Recovery Techniques for Road Administrators - Technical Report
- » Models for Sight Distance in Road Design - A Worldwide Comparison of Standards - A PIARC Technical Report
- » Measures for improving

Latest Technical Reports



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This page lists the proceedings of international seminars organized by the Technical Committees of PIARC in the field of Road pavements. These seminars are classified chronologically.



- Kuala Lumpur (Malaysia), 07-09 March 2023, [International Pavement Seminar](#) organized by the Ministry Of Public Works Malaysia, the Public Works Department of Malaysia, the Road Engineering Association of Malaysia (REAM) and the technical committee 4.1 "Pavements" of PIARC.
- Online organised from Buenos Aires (Argentina), 20-22 September 2021, [Use of Recycled Materials in Paving](#) organized by the Technical Committee 4.1 "Pavements" and the Argentine Roads Association (AAC), as the Argentine National Committee of PIARC.
- Quito (Ecuador), 10-12 November 2014, [Strategies and Methods to Ensure Long Service Life of Pavements](#) organized by the Technical Committee 4.2 with its Latin American Working Group.
- Buenos-Aires (Argentina), 9-10 May 2011, [Latest Advancements In Concrete Pavement Design And Construction](#) organized by the Technical Committee D.2C.
- New Dehli (India), 17-19 February 2011, [Reducing the Carbon Footprint in Road Construction](#) organized by the Technical Committee A.1 and the Indian Roads Congress with the support of the Ministry of Road Transport and Highways, Government of India.

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> What?

The screenshot shows the PIARC website header. The navigation menu includes: DISCOVERING PIARC (highlighted), WORK TOPICS, OUR ACTIVITIES, NEWS, and AGENDA. A dropdown menu is open under 'DISCOVERING PIARC', showing categories: WHO WE ARE, STRATEGIC PLAN, ORGANISATION, and GENERAL SECRETARIAT. Under 'ALL MEMBERS', there are links: ALL MEMBERS, [BECOME A MEMBER OF PIARC](#) (highlighted with a blue arrow), BENEFITS OF THE ASSOCIATION, and HOW TO BECOME A MEMBER?. Under 'TECHNICAL COMMITTEES', there are links: TECHNICAL COMMITTEES, NATIONAL COMMITTEES, and COLLABORATE WITH PIARC. The top right of the page features 'TOUR BASKET', 'FOLLOW PIARC', 'English', 'JOIN US', and 'MY ACCOUNT'.

An extensive and diverse global membership base

Association members share the common goal of an integrated, sustainable and safe transport system. From national and regional authorities to collective members and individuals - all are concerned with the spectrum of issues relating to roads and road transport.

Apart from the benefit of participating in the international road community, all members receive

- the quarterly magazine *Routes/Roads*,
- Congress proceedings,

and get a reduced registration fee for our Congresses (World Road Congresses and International Winter Road Congresses).

- To become member of the Association, [Click here!](#)
- To subscribe only to the *Routes/Roads* magazine, [click here](#) or [contact us](#).
- To view or to download some documents, you need to have a [visitor account](#) or to [log-in](#).

MORE INFORMATION

- » Government and regional authority membership
- » Collective and individual membership





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Your account details

E-mail (= your Log-in) *

Name *

First name *



Privacy - Voorwaarden

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Home » Our activities » Our Publications

All PIARC Publications

Search Keywords

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Add criterias

TYPES OF PUBLICATIONS

- Technical reports
- Special projects
- Routes/Roads articles
- Congresses proceedings (CD-Rom)

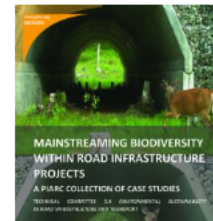
DATE

1986 > 2024

There are **931** results for your search

Sort by relevance by title by date

» Mainstreaming Biodiversity within Road Infrastructure Projects - A PIARC Collection of Case Studies



This document is an appendix to the Full Report 2023R44EN, and it contains the Case Studies collected by the WG3.4.3 team; the chapters listed here are those that structure the Full Report. The case studies illustrate the theoretical elements written in the Full Report. The development of transport [...]

Date : 2023 / Pages : 90 / PIARC Ref. : 2023R45EN / ISBN : 978-2-84060-837-0

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