

Exchange
knowledges and techniques
on roads and road transportation



WORLD ROAD ASSOCIATION



www.piarc.org

PIARC International Conference on Road Tunnels Operations and Safety

3 October 2018, Lyon (France)



PIARC's Four key missions

- Be a **leading international forum for analysis and discussion** of the full spectrum of transport issues related to roads and related transport;
 - Identify, develop, and disseminate **best practice** and **give better access to international information**;
 - Consider within its activities the needs of **developing countries and countries in transition** fully; and
 - Design, produce, and promote **efficient tools for decision making** on matters related to roads and related transport.
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- The Association mobilizes the expertise of its members
 - Through operations guided by a **4-year Strategic Plan**



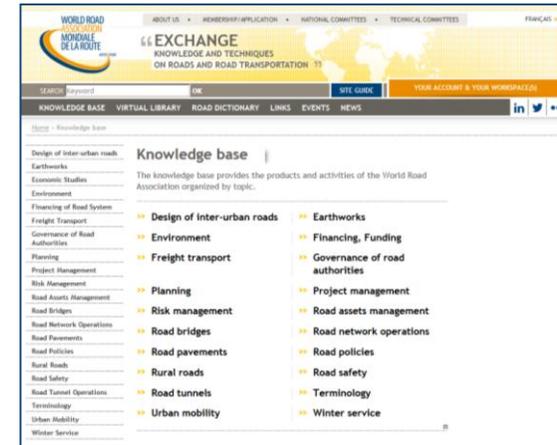
Extensive membership base

- **121 National governments are members of the Association**
- **Members from a total of 140 countries**
 - Regional authorities
 - Collective members – public or private
 - Individual members
- **More than 1 200 experts are currently mobilised in our working groups**



Knowledge exchange: The core of PIARC

- **PIARC mobilises international road and transport experts through more than 20 groups:**
 - Ad-hoc dialogue among peers
 - Network building
 - Joint work towards commonly-agreed deliverables
- **These deliverables are widely accessible:**
 - Reports (free pdf downloads)
 - Seminars or workshops
 - Online manuals
 - Software and tools - such as QRAM
 - Routes/Roads Magazine
- **PIARC Congresses are world-class focus points for:**
 - Dissemination of these deliverables
 - Further discussions



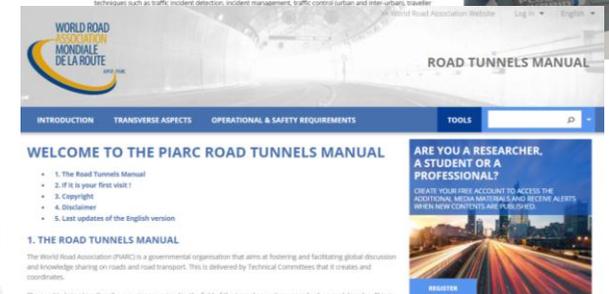
"PIARC has a good reputation as serious experts which is what we all need"
PIARC Advisory Group Meeting 23 May 2018



Online Manuals :

Easy access to knowledge

- **Three online manuals have been developed by the Association:**
 - Road safety
 - Road network operations and ITS
 - Road Tunnels
 - Asset management
- Comprehensive, state-of-the-art international reference
- Assist all countries meet their objectives
- **Easy and attractive to use:**
 - Free of charge
 - Key principles for each of the topics are included and discussed in the sections
 - Case studies and links to detailed technical material and other references
 - Can be downloaded and printed in chapters



2016 – 2019 Strategic plan

A. Management and finance	B. Access and mobility	C. Safety	D. Infrastructure	E. CC-Environment - Disasters
<p>A.1 Performance of transport administrations</p> <p>A.2 Road transport system economics and social development</p> <p>A.3 Risk management</p>	<p>B.1 Road Network Operations / ITS</p> <p>B.2 Winter services</p> <p>B.3 Sustainable multimodality in urban areas</p> <p>B.4 Freight</p>	<p>C.1 National road safety policies and programs</p> <p>C.2 Design and operations of safer road infrastructure</p>	<p>D.1 Asset management</p> <p>D.2 Pavements</p> <p>D.3 Bridges</p> <p>D.4 Rural roads and earthworks</p> <p>D.5 Road tunnels operations</p>	<p>E.1 Adaptation strategies / Resilience</p> <p>E.2 Environment considerations in road projects and operations</p> <p>E.3 Disaster management</p>
<p>A.1 Innovative financing</p> <p>A.2 Coordinating National and Subnational adm.</p>	<p>B.1 Road design & infrastructure for innovative solutions</p> <p>B.2 Automated vehicles: challenges and opportunities for road operators and road authorities</p>	<p>C.1 Infrastructure security</p>		

PIARC reports on Tunnels

Recently published (2012 – 2015 work cycle):

1. Experience with significant incidents in road tunnels
2. Improving safety in road tunnels through real-time communication with users
3. Fixed Fire Fighting Systems in Road Tunnels: Current Practices and Recommendations
4. Road Tunnels: Complex underground road networks
5. Best practice for life cycle analysis for tunnel equipment
6. Lay bys and protection against lateral obstacles - Current practices in Europe
7. Design fire characteristics for road tunnels
8. Road tunnel operations: First steps towards a sustainable approach

Five forthcoming reports (available in 2019):

1. Sustainable road tunnel operations
2. Integrated road tunnel safety
3. Large underground and interconnected infrastructure
4. Persons with reduced mobility in the tunnel environment
5. Road tunnel emissions

All available for free in French English and Spanish



PIARC CONGRESSES

Save the dates!

- **26th World Road Congress**

Abu Dhabi, United Arab Emirates

6 – 10 October 2019

<https://dot.abudhabi.ae/piarc/>



- **16th International Winter Road Congress**

Calgary, Canada

8 – 11 February 2022





Thank you for your attention



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