



Introduction to PIARC

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PIARC Secretary General

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Acronyms

- **TC: Technical Committee**
 - Sometimes also used for the Terminology Committee and the Road Statistics Committee
- **TF: Task Force**
- **STC: Strategic Theme Coordinator**
 - Oversees a Theme, ie a collection of TCs and TFs
- **SPC: Strategic Planning Commission**
 - Monitors the implementation of the Strategic Plan
- **ExCom: Executive Committee**
- **1D: First Delegate**
 - Main representative of a member country (e.g. Road Director)
- **GS: General Secretariat**

Introduction

What is PIARC?



What is PIARC?

- **PIARC** is the new name of the **World Road Association**
- We were founded in 1909 as a **non-profit, non-political** Association
- Our goal is to organise exchange of knowledge on all matters related to roads and road transport



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.
-
- The Association mobilizes the expertise of its members
 - Through operations guided by a **4-year Strategic Plan**

Extensive membership base

- **PIARC addresses the needs of all countries**
- **124 National governments are members of the Association**
 - Recent additions: Montenegro, Mozambique
- **Members from a total of 140 countries**
 - National governments
 - Regional authorities
 - Collective members - public or private, e.g. companies, research institutes...
 - Individual members
- **More than 1 000 experts are currently mobilised in our working groups**

PIARC and Low and middle income countries

- **We address the needs of all countries**
 - High Income Economies as well as Lower Income Economies

- **Several processes are implemented:**
 - Include possible specific needs of low and middle income countries (LMICs) in our Strategic Plan
 - Involve experts from LMICs in our Technical Committees
 - Organise International PIARC seminars in LMICs, among other events
 - Establish regional working groups

- **Budget support is available from PIARC**

Knowledge exchange: The core of PIARC

- **PIARC mobilises international road and transport experts through more than 20 groups (Committees and Task Forces):**
 - Ad-hoc dialogue among peers
 - Network building
 - Joint work towards commonly-agreed deliverables
- **These deliverables are widely accessible:**
 - Reports
 - Seminars or workshops
 - Online manuals
 - Software and tools
- **PIARC Congresses and events 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*

Knowledge exchange: Broad range of topics

The screenshot displays the PIARC website's navigation interface. At the top left is the PIARC logo. To its right is a search bar with a magnifying glass icon and the word "Search", followed by an "OK" button. Further right is a language selector set to "English" with a dropdown arrow. In the top right corner, there are social media icons for Twitter, LinkedIn, Facebook, and YouTube, along with the text "FOLLOW PIARC". Below the search bar is a dark blue navigation bar with four main menu items: "DISCOVERING PIARC", "WORK TOPICS", "OUR ACTIVITIES", and "NEWS & AGENDA". The "WORK TOPICS" item is currently selected and highlighted with an orange underline. Below this bar, the content area is organized into three columns of expandable topic lists. Each column has a main category header with a minus sign to its right, and a list of sub-topics, each with a plus sign to its right. The first column, "MANAGEMENT AND FINANCE", includes items like "Design of inter-urban roads" and "Economic Studies". The second column, "ACCESS AND MOBILITY", includes "Freight Transport" and "Road Network Operations". The third column, "INFRASTRUCTURE", includes "Earthworks" and "Road Assets Management". A fourth category, "SAFETY", is partially visible with "Road Safety" listed below it. At the bottom of the visible content, there is a link for "CLIMATE CHANGE, ENVIRONMENT AND DISASTERS" with a minus sign, and "Environment" listed below it.

PIARC

Search OK English

FOLLOW PIARC [Twitter](#) [LinkedIn](#) [Facebook](#) [YouTube](#)

DISCOVERING PIARC **WORK TOPICS** **OUR ACTIVITIES** **NEWS & AGENDA**

MANAGEMENT AND FINANCE -

- Design of inter-urban roads +
- Economic Studies +
- Financing of Road System +
- Governance of Road Authorities +
- Planning +
- Project Management +
- Risk Management +
- Road Policies +

ACCESS AND MOBILITY -

- Freight Transport +
- Road Network Operations +
- Urban Mobility +
- Winter Service +

SAFETY -

- Road Safety +

INFRASTRUCTURE -

- Earthworks +
- Road Assets Management +
- Road Bridges +
- Road Pavements +
- Rural Roads +
- Road Tunnel Operations +

[CLIMATE CHANGE, ENVIRONMENT AND DISASTERS](#) -

- Environment +

What we do - What we don't do

- **Our mission: serve the needs of our members**
 - Member countries
 - Experts
- **Best practice and Recommendations**
- **Rather than research**

- **We do not engage in standardization**
- **We do not express opinions or analysis on national or regional issues**
 - This is a task for member countries or regional road organisations

Languages



PIARC and Languages

- **PIARC has three working languages:**
 - French, English and Spanish
 - Our outputs are published in those 3 languages
- **The working language of TCs and TFs is English**
- **TCs and TFs have to deliver their outputs in the 3 languages**
 - Organising translation is a task for the 3 Secretaries
 - Support from GS, such as « DeepL Pro»
- **More translations are welcome**
 - Usually coordinated by National Committees

Our outputs



PIARC reports



Downloadable pdf files

Available for free at www.piarc.org

■ Cycle 2012-2015:

- 40 technical reports were produced by the Technical Committees

■ Cycle 2016-2019:

- 46 new reports

Online road dictionary

- Technical Dictionary of Road Terms
- Mainly: English, French, Spanish
- Plus 32 other languages
- 8th edition
- Online, free of charge



PIARC

Search [OK] English

DISCOVERING PIARC WORK TOPICS OUR ACTIVITIES NEWS & AGENDA

FOLLOW PIARC [social media icons]

JOIN US

IDENTIFICATION

Home » Our activities » Road Dictionary » Term search

Search a term in the Road Dictionary

Search [OK]

Source language: English Target language(s):

Add criteria

The term and its synonyms
 Only the term
 All content

Results for the term: winter maintenance

Themes	Terms
Operations - Winter Serviceability	tool for winter maintenance
	winter maintenance syn : winter service
	winter maintenance contractor

Routes / Roads

- Our quarterly magazine
- Articles cover emerging road and road transport issues
- English, French and Spanish
- Print and online distribution
- 5,700 copies, readership in more than 140 countries
- Online version:
routesroadsmag.piarc.org



Online Manuals : Easy access to knowledge

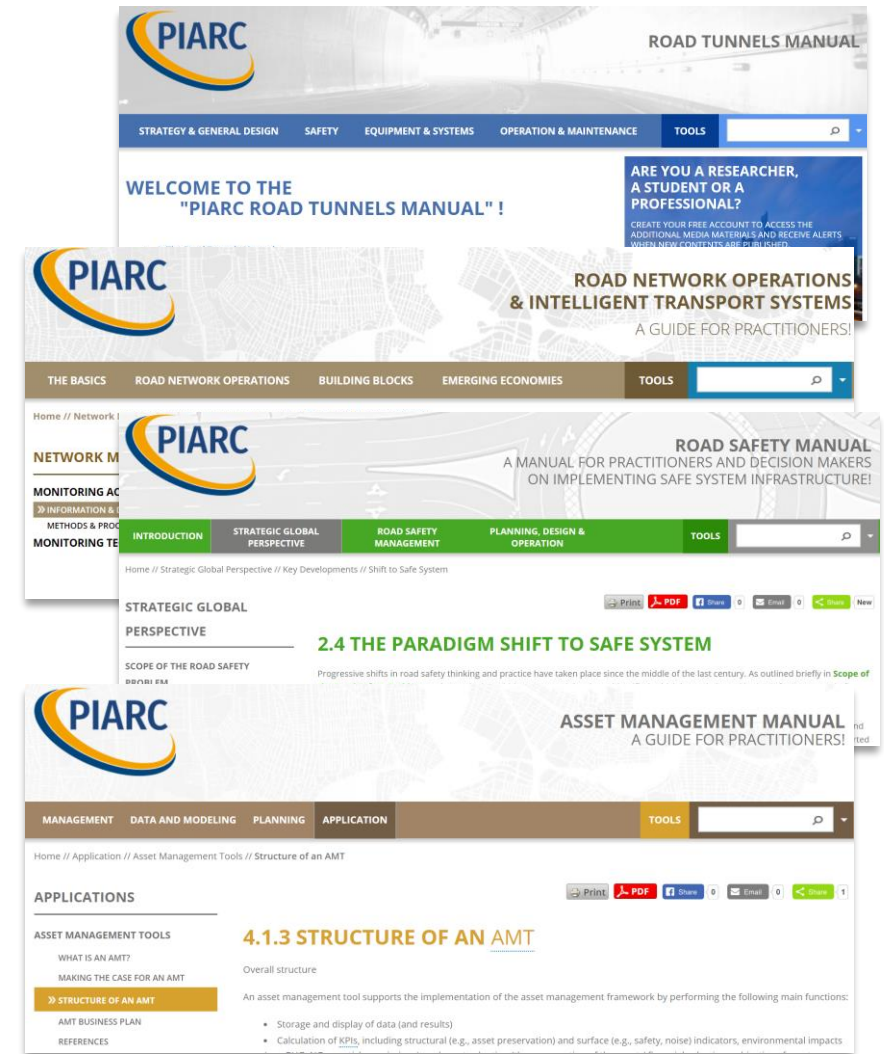
■ Four online manuals:

- Road safety (new version)
- Road network operations and ITS
- Road Tunnels Operations (new version)
- Asset management

■ Updated in 2019

■ 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



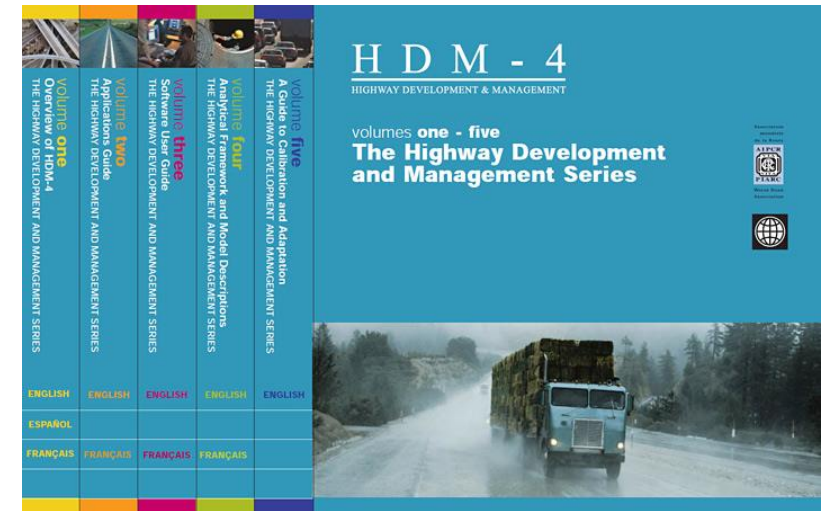
Software

■ HDM-4

- The primary tool for the analysis, planning, management and appraisal of road maintenance, improvements and investment decisions
- Developed with numerous stakeholders
- Distributed through HDMGlobal

■ DG-QRAM

- Tool for managing dangerous goods transport in tunnels
- Distributed by PIARC
- Version 2 is available (August 2019)



International Seminars

- Exchange of knowledge with and in low- and middle-income countries
- 22 seminars and 22 workshops organised during the 2016-2019 cycle
- Presentations are available online via the PIARC Website



*November 2017 Teheran
International Seminar on Policies and Programs
for Road Safety Management*

PIARC Partnerships

■ Objectives:

- Avoid duplication
- Share opinions
- Contribute to one another's activities (e.g. Strategic Plan)
- Promote our outputs

■ Examples:

- ITF working groups, ITF Summit (2016, 2017, 2018...)
- World Bank
- Regional road organisations
- Etc.

■ Advisory Group



International Winter Road Congresses

- Focus: Maintenance and roads operations in winter
- 1969 – 1st Congress in Berchtesgaden, Germany
- A congress every four years

Seefeld 1994

Luleå 1998

Sapporo 2002

Turin-Sestrières 2006

Québec 2010

Andorra 2014

Gdańsk 2018

Calgary 2022

World Road Congresses

- 1908 – 1st World Road Congress in Paris, France
- A congress every four years
- Share knowledge and experiences on roads and road transportation

Brussels 1987

Marrakech 1991

Montréal 1995

Kuala Lumpur 1999

Durban 2003

Paris 2007

Mexico City 2011

Seoul 2015

Abu Dhabi 2019

Prague 2023



Extensive website: www.piarc.org

■ Services available:

- News
- Events
- Knowledge Base
- Virtual Library
- Online road dictionary
- Congress proceedings
- Detailed information on the Association and its activities
- Etc.

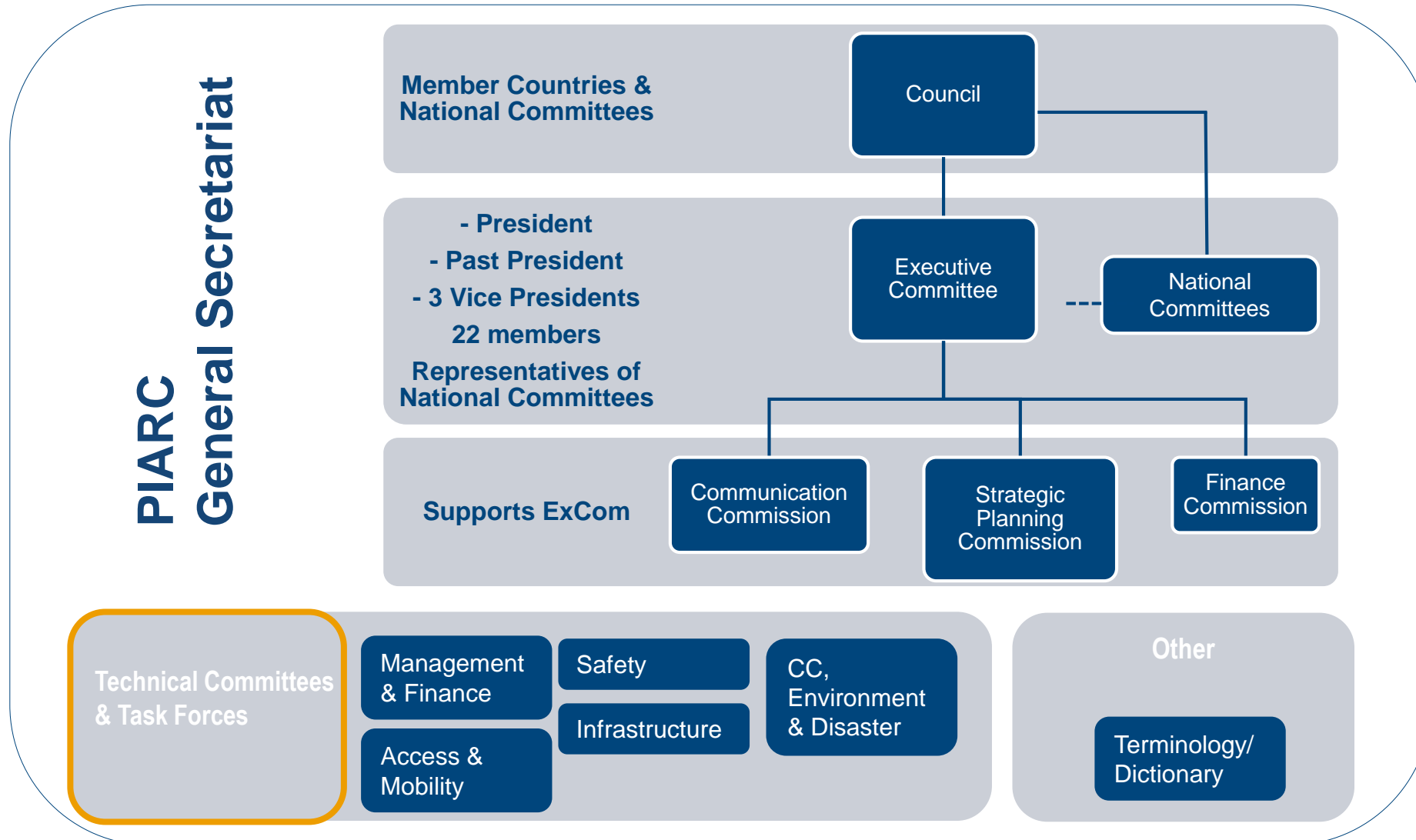
Our structure



Overview

- **Council:** Has the ultimate responsibility for the governance
 - Composed of delegations from member States, each led by a First Delegate
 - Elects the President, Vice Presidents, members of the Executive Committee and the Secretary General
 - Meets once each year
- **Executive Committee:** Manages by delegation of the Council
 - Supported by Commissions (Finance, Communications, Strategic Planning) and the General Secretariat.
 - Meets twice each year
- **General Secretariat:** Provides services and Coordinates
 - Composed of salaried staff and staff seconded by various member countries
 - Provides secretarial service for the Council, the Executive Committee, the Commissions and services to the TCs and TFs
 - Located in Paris

PIARC Organisational Structure



Executive Committee 2017-2020

President

Claude Van ROOTEN (Belgium)



Past President

Oscar de BUEN (Mexico)

Vice-Presidents

Cheick Oumar Diallo (Mali)
Shigeru Kikukawa (Japan)
Miguel Ángel Salvia (Argentina)

Members

Ahmed Al Hammadi (United Arab Emirates), **Sandrine Chinzi** (France), **Stephen Fidler** (United Kingdom), **Cedric Ivan Escalante Sauri** (Mexico), **Claudine Tremblay** (Canada-Québec), **Mārtiņš Dambergs** (Latvia / BRA), **Lena Erixon** (Sweden / NRA), **Ramón Pepín** (Dominican Republic), **Nick Koukoulas** (Australia), **Stefan Krause** (Germany), **Bojan Leben** (Slovenia), **Kang-Hoon Lee** (Republic of Korea), **Zulakmal bin Haji Sufian** (Malaysia), **José Miguel Ortega** (Chile), **Marie-Claude Petit** (Canada), **M^a del Carmen Picón** (Spain), **Massimo Schintu** (Italy), **Alex Van Niekerk** (South Africa), **Walter Waidelich** (USA), **Dejin Wu** (People's Republic of China), **Friedrich Zotter** (Austria)

National Committees' Representative

Saverio Palchetti (Italy)



About schedules

- TCs and TFs are appointed for four years
 - 2020 – 2023
- ExCom is elected for four years:
 - 2021 – 2024
- Elections will take place in October 2020:
 - New ExCom
 - New PIARC President
- Commissions will be set up after that
- TCs and TFs will not be affected

Commissions

- The Executive Committee is seconded by 3 Commissions:
 - Finance Commission
 - Communication Commission
 - Strategic Planning Commission
- Commissions advise the Executive Committee
 - They don't make decisions
- STCs are members of the SPC
- TCs/TFs are asked for updates every six months
 - For review by the SPC

National Committees

Objectives:

- Facilitate national exchanges on roads and road transport
- Promote the work of PIARC
- Liaise with national experts and issues

- Algeria, Argentina, Australia (Austroads), Austria,
- Belgium, Benin, Bulgaria, Burkina Faso,
- Cameroon, Canada, Canada-Quebec, Chile, Congo, Cote d'Ivoire, Czech Republic,
- Dominican Republic
- Ecuador
- France,
- Germany, Greece, Hungary,
- India, Ireland, Italy, Japan,
- Madagascar, Malaysia, Mali, Mexico, Mongolia, Morocco,
- Niger, New Zealand (Austroads),
- Paraguay, Poland, Portugal, Romania,
- Senegal, Slovak Republic, Slovenia, South Korea, Spain, Switzerland,
- Tanzania, Tunisia
- United Kingdom, United States, Uruguay

48 countries



Our Expert structures

■ Technical Committees

- Constituted for the full four years

■ Task Forces:

- 2-year activity cycles
- Are allowed more flexibility; reasonably small groups

■ Regional Task Forces:

- Set up in some regions, esp. those with many LMICs
- Address topics of regional interest x Link with PIARC TCs

Special Projects 1/2

- **Objective:** High-level, short documents that provide additional value to PIARC members in a short period of time
- On important topics, that are not within the capacity of the TCs / TFs
- **Outsourced**
- Budget : around 35 000 EUR
- New: Member countries are invited to finance
- Complement the familiar structures of TCs / TFs
- Overseen by the GS and a coordinator (currently: Tom Everett, USA)

Special Projects 2/2

- Yearly Schedule:

When	What
Spring Year N	Call for ideas to 1D and TCs/TFs
Summer	Analysis by STCs, GS (input from TCs/TFs)
October	Decision by ExCom
Oct. – Dec.	The text of the call for proposals is prepared (input from TCs/TFs)
Oct. – Dec.	Project Oversight Team is constituted (TCs/TFs are invited)
December	Call for Proposals is published
February Year N+1	Project(s) start
September	Project(s) finish
October	Report(s) presented to ExCom and Council

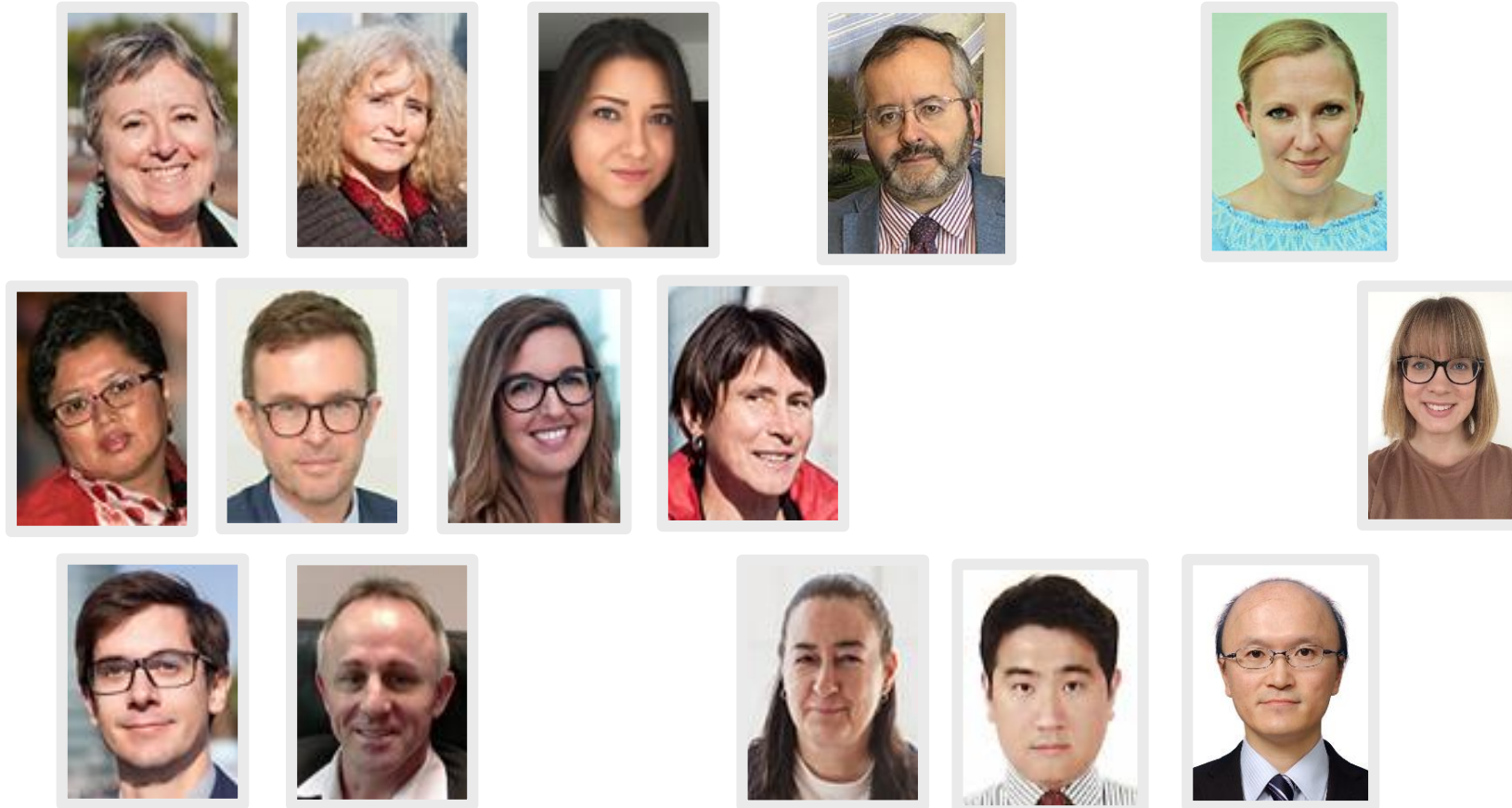
General Secretariat 1/2

- Salaried staff
- Experts seconded from their country

<https://www.piarc.org/en/PIARC-Association-Roads-and-Road-Transportation/General-Secretariat>



General Secretariat 2/2



<https://www.piarc.org/en/PIARC-Association-Roads-and-Road-Transportation/General-Secretariat>



PIARC Committees and Task Forces

Ref: Blue Guide, Chapter 7B



We work as partners

- PIARC has identified outputs that are needed by member countries: reports, seminars, congresses...
- **TC/TF members have a mandate to produce those quality, value-added outputs**
- Experts in TCs and TFs are essential to PIARC
- **PIARC has to be meaningful for them**
 - Life and dialogue in the TC is important
 - You will build a network of colleagues
 - You can identify emerging topics

Membership

- **Members of TCs/TFs are formally appointed**
- **Most are nominated by their First Delegate**
 - Member
 - Corresponding Member (not compelled to take part in meetings)
- **Associate Members can be added:**
 - Initiative of TC Chair or GS
 - Validation through GS

Work program

- **TCs / TFs are required to organize activities over the course of the four years (for TCs) and two years (for TFs):**
 - Allocating tasks to specific members of the TC/TF
 - Identifying major milestones, Planning activities month by month
 - Etc.
- **This work should adhere to the quality standards of PIARC:**
 - Aiming at a broad geographic representativity
 - Implement a careful review process within the TC/TF
 - Liaise with the STC and GS
- **Changes may occur, New ideas may emerge, Difficulties may occur...**
 - That's normal
 - Need to be identified by the Chair and discussed with STC and GS

Support from GS

- **Each Technical Advisor**

- Main contact for TCs / TFs

- **Technical Director**

- Coordinates all TAs and supports
- Oversees the work of TCs and TFs
- Etc.

- **Other support:**

- Seminars
- Communication
- Partnerships
- Translations
- Publications
- Etc.

TCs over 4 years

- **During the four years of the cycle, each Technical Committee will:**
 - Ensure that the required outputs are prepared on time
 - Hold two face-to-face meetings per year, often in conjunction with another Committee, another organisation, a seminar or a conference
 - Hold two seminars in LMICs (conjoined with a TC meeting)
 - Assist STCs to review emerging strategic issues and prepare proposals for new activities and for the next Strategic Plan
 - Prepare one or more sessions and a call for papers for the 2023 World Road Congress and, if relevant, the 2022 International Winter Road Congress
 - Take part in the Mid Term Meeting

TFs over 2 years

- **During the four years of the cycle, each Technical Committee will:**
 - Ensure that the required outputs are prepared on time
 - If needed, Hold two face-to-face meetings per year; Note that TFs can be more flexible in their processes, in order to be nimble and actually deliver within the 2 year time frame;
 - Assist STCs to review emerging strategic issues and prepare proposals for new activities and the next Strategic Plan
 - Prepare one or more sessions for the 2023 World Road Congress and/or the 2022 International Winter Road Congress
 - If relevant and not detrimental to the delivery of outcomes, prepare a call for papers for the 2023 World Road Congress and/or the 2022 International Winter Road Congress.
 - Take part in the Mid Term Meeting

Objectives of Task Forces (TFs)

- Achieve their work in two-year activity cycles
- Allowed more flexibility
- Smaller mandates

	Committee	Task Force 2016-2019 (original plan)	Special Project
Duration	4 years	2 years	12 months
Range	2 to 4 issues	1 issue only	1 issue only
PIARC experts	2 per country max.	1 per country max.	3-4 persons
International Seminars	2 Mandatory	Not expected	No
PIARC Budget	-	-	30 000 EUR
PIARC Support	Technical advisor	Technical advisor	Technical Director

TC / TF members

- **All TC/TF members are required to contribute actively to the work of the Technical Committee or Task Force**
 - They can share their own experience and best practice
 - Answering surveys is a requisite
 - They can provide contacts of relevant persons, point to existing literature, etc
- **All can share the information they collect from the TC/TF**
 - Within their own countries or international organisations
- **TC/TF Chairs should make sure that:**
 - All members are equally welcome and included in the work
 - There is time for free discussion in each meeting
 - Including on topics that are not on the TC terms of reference.
- **Private sector is welcome in PIARC**
 - We mobilize the expertise of all, creating a global dialogue
 - Note: Road administrations are in charge of the governance and strategic direction of the Association.

Some recent achievements



Deliverables

- **Almost all reports are now published**
- **Very successful International Seminars programme in LMICs**
- **As well as many workshops in more developed economies**
- **Successful Congresses in Gdansk (2018) and Abu Dhabi (2019)**
- **PIARC Conferences on Tunnels and on Surface Characteristics**

Routes/Roads Magazine

- Numerous and good articles
- Last issues:
 - Urban mobility - 4th Quarter 2018
 - Environment – 1st Quarter 2019
 - Asset Management - 2nd Quarter 2019
 - Abu Dhabi – 3rd Quarter 2019
 - Includes article on SuM4All for example



Special Projects

■ Special Projects: published

- Climate Change Adaptation Framework
- Use of Unmanned Aerial Systems (Drones)
- Unpredicted Infrastructure Failures – Best Practices
- Electric Roads Systems
- Positive Energy Roads

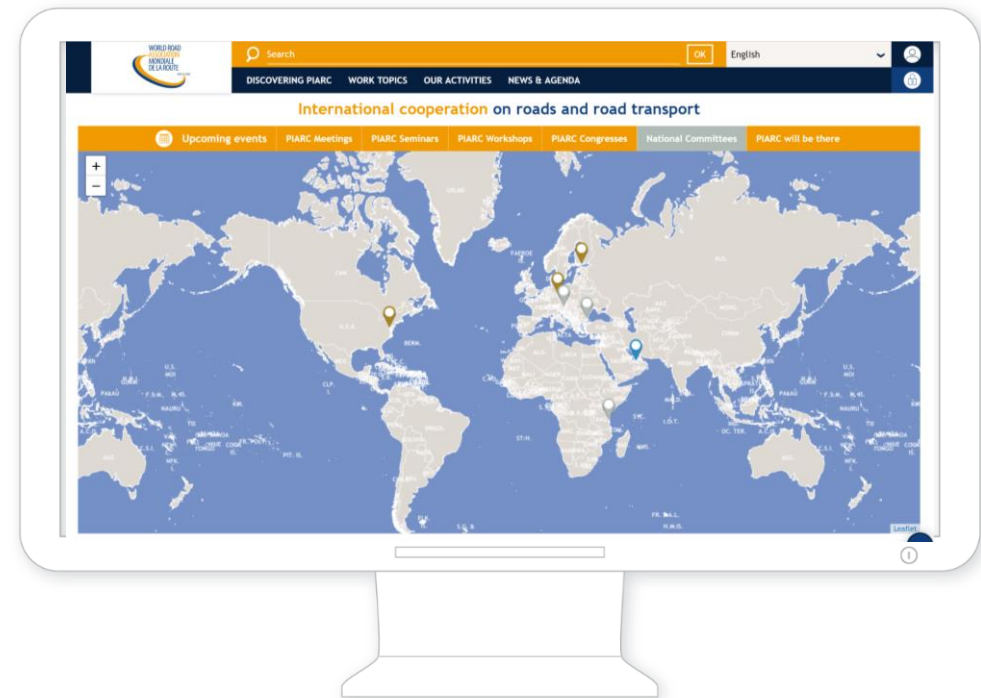
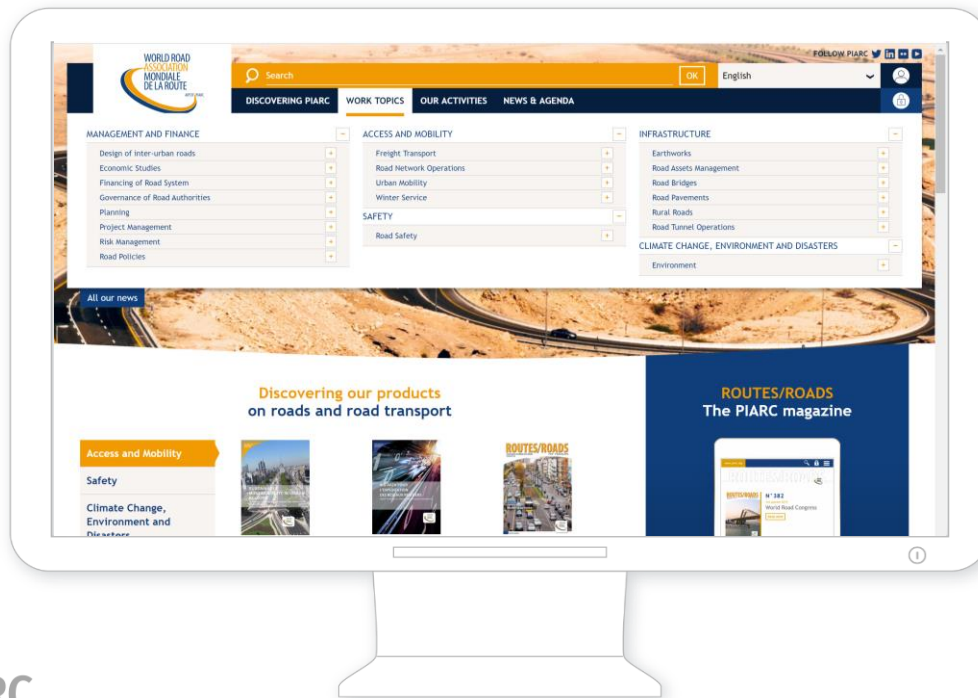
■ Ongoing Special Projects:

- Contribution of road transport to development
- Road related data and how to use them
- Legal weight limits standards and their implications



Our website - piarc.org

The new website is ready to be consulted
Anywhere, at anytime, on any device !



Seminars and Workshops in 2016-2019

A total of 45 events in
26 countries!

Seminars		Workshops	
China	3	Chile	3
Malaysia	3	Argentina	2
Mexico	3+1reg	Australia	2
South Africa	3	China	2
Argentina	1	Spain	2
Bolivia	1	USA	2
Costa Rica	1	Brazil	1
Cuba	1	Czech Republic	1
Iran	1	France	1
Tanzania	1	Italy	1
Tunisia	1	Japan	1
Ukraine	1	Morocco	1
Vietnam	1	Norway	1
		Portugal	1
		Slovenia	1
Total	22+1reg	Total	22

Webinars

In 2018, 2 webinars brought together more than 1,000 people online from more than 40 countries

- Drones
- Road Safety

In 2019, 2 webinars

- Tunnel tech and resilience, jointly with TCs D5 and USA's TRB
- Road Safety, jointly with TC on Road Safety and USA's TRB

Presence at selected conferences

Objectives: promote PIARC; work with others

- In addition to PIARC own promotion activities – meetings, seminars, workshops

In 2019, PIARC was present at and worked with:

- TRB Annual Meeting
- International Transport Forum (ITF)
- UN Road Safety Council
- World Bank SuM4ALL
- G20 Group – work on resilience
- Etc.

PIARC Congresses



Why Congresses

- **This is actually how PIARC originated**
 - First WRC: in Paris in 1908

- **Even today, meeting face to face is essential**

- **Congress are a great way to:**
 - Promote our activities
 - Disseminate our reports
 - Engage with the host country's experts, industry...
 - Exchange ideas freely

Congresses in 2020 - 2023

■ The World Road Congress

- Important event that has established the Association's reputation and is held at the end of a four-year work cycle
- The next WRC will take place in Prague in 2023

■ International Winter Road Congress

- Held roughly half way through the four-year cycle
- Similar objectives and outcomes as the World Road Congress albeit with more focussed topics
- The next IWRC will take place in Calgary in 2022
- It will tackle resilience in addition to winter issues

■ **A call for papers is organised for both Congresses. TC/TF are invited to contribute topics for the international call for papers, review abstracts and then review full papers.**

■ **The programme of both Congresses is coordinated by PIARC GS.**

WRC 2023

- Detailed instructions will be prepared in due time
- Each TC/TF is invited to organise one session or more at the WRC. This can be focused on the presentation of the work of the TC/TF, or on a more specific issue.
- The international call for papers will be published in May 2022 at the latest

Calgary 2022

- **This edition of the Congress will evolve:**
 - Winter issues will remain center stage
 - Plus: Topics related to resilience, even in a non-winter context
 - For example, disaster management in all seasons
- **More TCs will be involved:**
 - Will contribute to the call for papers (Summer 2020)
 - Will organize one or more sessions during the Congress itself
- 7 TCs have already been identified
- **Please discuss!**
- Decision will be made by the ExCom in April 2020

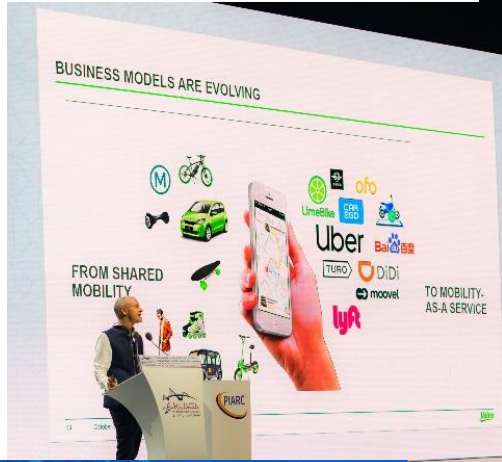
World Road Congress 2019 - Abu Dhabi

6 – 10 October 2019

www.piarcabudhabi2019.org

<https://pre-proceedings-abudhabi2019.piarc.org/en/>





		PLENARY	CR A	CR B	CR C	CR D	CR E	CR F	POSTERS SESSIONS	CS 5	CS 7	CS 9
SUNDAY 6 OCTOBER	MORNING	OPENING SESSION										
	AFTERNOON	MINISTERS' SESSION										
MONDAY 7 OCTOBER	MORNING		FS03: Road Resilience	SPS1: Contribution of road transport SPS2: Drones	FS04: Sustainable pavement	FS02: Road safety partnerships	FS01: Socioeconomic impacts CAV	SDSD: Infrastructure		W01: Weigh-in-motion	W02: Road Network Operations / ITS	
	AFTERNOON	KEYNOTE 1	FS06: Sustainable urban freight	TCTFA2: National and subnational coordination	FS07: Transport is not Gender Neutral	FS05: Sustainable Financing	SDSB: Mobility	TCD1: Road asset management	PS1: C1, C2, TFC1	W05: Climate Change adaptation	W03: Road Safety Manual & UN targets	W04: Concrete pavements
TUESDAY 8 OCTOBER	MORNING		TCE3: Disaster management	SDSA: Finance	FS09: Disability-Inclusive Road Transport	FS08: Implementing innovative technologies	TCB1: ITS / RNO	TCD2: Pavements	PS2: E2, D5, B4	W07(1): HDM-4 integration in asset management	W06: RSA & RSI in LMIC	
	AFTERNOON	KEYNOTE 2	SPS3: Electric Road Systems SPS4: PER	TCA1: Performance road administration	FS10: Connected & Autonomous Mobility	SDSC: Road Safety	TCB2: Winter service	TCD3: Bridges	PS3: D2, B1, E3	W07(2): HDM-4 future developments	W08: Rural Access Index	
WEDNESDAY 9 OCTOBER	MORNING		SDSE: Climate Change	TCA2: Socio-Economics	FS11: BIM for highways	TCC1: Road safety policies	TCB3: Urban mobility	TCD4: earthworks & rural roads	PS4: D3, B2, A1, TFA2	W09: Road Asset Management	W10(1): Airfield pavements innovation	
	AFTERNOON	KEYNOTE 3	TCE1: Resiliency of infrastructure	TCA3: Risk management	FS12: Transparency in Transport	TCC2: Safer road infrastructure	TCB4: Freight	TCD5: tunnels operations	PS5: D4, B3, A2	W11: BIM Standards	W10(2): Airfield pavements characteristics	
THURSDAY 10 OCTOBER	MORNING		TCE2: Environmental considerations	TCTFA1: Innovative financing	FS 13: Long distance freight	TCTFC1: Security	TCTFB1&2: automated vehicles	SPS5: Unpredicted Infrastructure Failures	PS6: D1, A3, E1, T41	W13: African Task Forces	W12: Regional Road Safety Observatories	
	AFTERNOON	CLOSING SESSION										

SDS = STRATEGIC DIRECTION SESSION
WS = WORKSHOP

FS = FORESIGHT SESSION
TC = TECHNICAL SESSION

SPS = SPECIAL PROJECT SESSION
TF = TASK FORCE

Early figures

- **Each Technical Advisor Exhibition: 2814 sqm, 53 exhibitors** (Including an African pavilion)
- **Participants:**
 - Total: 5 083, including, Delegates: 1 633
- **From 145 countries**
 - UAE: 2 497
 - Japan: 213
 - France: 187
 - Malaysia: 137
 - UK: 101
 - Spain: 85
 - Italy: 85
 - Germany: 71
 - Russia: 65
 - China: 65
 - Saudi Arabia: 62
 - South Korea: 61
 - Canada: 60
 - USA: 57

3 Ministers' sessions

■ 40 participants

- Africa: 9, Americas: 4, Asia: 6, Europe: 13, GCC: 7, Oceania: 1

■ Three plenary sessions on

- Future transport network
- Artificial intelligence in the road sector
- Land use planning

■ Introductory speeches

- Future transport network -> PIARC President
- Artificial intelligence in the road sector → UAE Minister
- Land use planning → ITF Secretary General

7 Keynote Speeches

- H.E. Mattar Al Tayer, **RTA Dubai**
- Etienne Krug, **WHO**
- Guangzhe Chen, **WORLD BANK**
- Nazir Alli, Founder, **SANRAL**
- Jean-Luc di Paola Galloni, **VALEO**
- Jesús Sancho, **ACCIONA Middle East**
- André Broto, **VINCI Autoroutes**

Call for papers on 41 topics

- **387 papers were accepted**
 - Abstracts submitted : 600
- **Papers' authors came from 74 different countries.**
 - France, Italy, Argentina, Germany, Mexico, Japan, Spain...
- **Good input from Low and Middle Income Countries:**
 - India, China, Morocco, Colombia, Iran, Ivory Coast, Algeria...
- **8 PIARC Prizes**



21 Technical Sessions

- **Organised by PIARC Committees and Task Forces**

- Speakers from Committees and Task Forces
- Speakers from the call for papers

- **Objectives:**

- Present the work of the Committee / Task Force over the last four years – 46 reports, 4 online manuals, 22 seminars, 22 conferences...
- Discuss trends
- ... Identify possible new members for the future Plan

- **Plus 41 Poster sessions**

- One per topic of the call

5 Special Project Sessions

- UAS (drones)
- Unpredicted infrastructure failures
- Electric road systems
- Contribution of roads to economic development
- Positive energy roads

5 Strategic Direction Sessions

- **Most recent updates from our member countries**
- **Call for national reports on five topics:**
 - Theme A: *Funding and Financing*
 - Theme B: *Innovative Transport Solutions to Optimize Access and Mobility*
 - Theme C: *Safety of the Road System*
 - Theme D: *The story not always well told: the infrastructure preservation*
 - Theme E: *The progress of climate change adaptation and mitigation actions...*
- **Featured in the September issue of the *Routes/Roads* magazine**

13 Foresight Sessions

- **These are high-level sessions:**

- Designed to consolidate PIARC's relationships with other organizations.
- Address new topical issues

- **Many partners have joined us:**

- World Bank, Asian Development Bank, Islamic Development Bank, UK's DFID, ITF/OECD, USA's TRB, IRF Global (Washington), IRF (Geneva), CEDR...

- **Examples:**

- Socioeconomic Impacts Of Connected Vehicles
- Sustainable Urban Freight Transport - New Opportunities And Challenges
- Transport Is Not Gender Neutral
- Promoting A Culture Of Transparency And Integrity In Transport Administrations
- Disability-Inclusive Road Transport
- Etc.

13 Workshops

- **More flexible than main sessions**
 - They are more interactive
- **Organised with partners and/or with Committees**
- **Examples:**
 - Weigh-In-Motion For Road Infrastructure And Freight Transport
 - Road Safety Manual & The UN Targets
 - Climate Change Adaptation
 - Current Application Of HDM-4
 - Innovations In Airfield Pavement Design And Materials
 - Boosting BIM Implementation
 - Road And Pavement Design In Africa
 - Etc.

... as well as

- Exhibition
- Technical Visits
- Accompanying persons' program
- Welcome reception, Gala dinner
- Side events (REAAA, DIRCAIBEA)

Soon

- Final Proceedings
- In March April 2020

Strategic plan 2016 - 2019



2016-2019 Themes

■ 5 Strategic Themes

- A. Management and Finance
- B. Access and Mobility
- C. Safety
- D. Infrastructure
- E. Climate Change, Environment and Disasters

- Continuation of several lines of traditional work
- With an elevation of environment-related issues

■ 18 Technical Committees and 4 Task Forces

- Including the Terminology Committee
- With clear topics to be addressed and expected results

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>		

Strategic Plan 2020 - 2023



Development of the Strategic Plan

The process involved several steps of consultation:

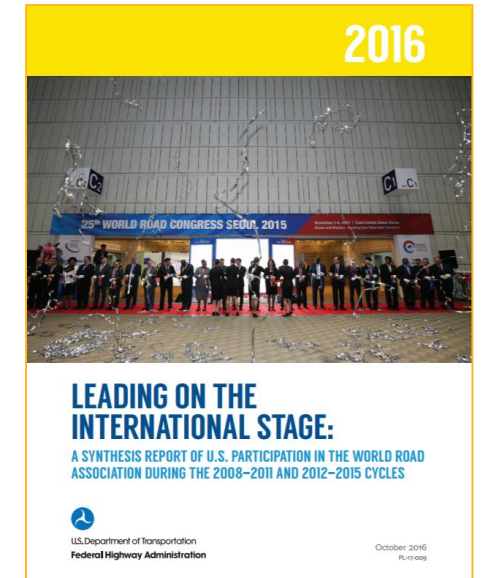
- **Internally:** First Delegates, National Committees and Technical bodies, Low and Middle income countries.
- **Externally:** Advisory group – Workshop, Interviews with external stakeholders.
- **New STCs, Chairs and Secretaries** were consulted too

Conclusion



World Wide Knowledge exchange: The core of PIARC

- Aimed at practitioners more than research
- International dialogue is more necessary than ever
 - Efficient and Cost effective
 - Cf. FHWA report « Leading on the international stage » (2016)
- PIARC mobilises international road and transport experts:
 - We provide the network
 - Ad-hoc dialogue among peers
 - Showcasing national achievements
 - Learning from others
 - Building networks
 - Joint work towards commonly-agreed deliverables
- Our outputs are open to all and widely accessible:
 - Reports, Online tools, Workshops, Seminars, Congresses...



How can one work with PIARC?

- **Join as a Member Country**
- **Use our reports and manuals – available for free**
- **Become an expert in one of our new Technical Committees**
 - If the country is up to date with its membership fees
- **Host a PIARC Seminar or Conference, on any given topic**
 - With support from one of our Committees
- **Invite PIARC experts to take part in national conferences**
- **Take part in PIARC Seminars or Congresses**
- **Translate PIARC reports to own language**
 - A MoU with PIARC is necessary



We work as partners

- PIARC has identified outputs that are needed by member countries: reports, seminars, congresses...
- **TC/TF members have a mandate to produce those quality, value-added outputs**
- Experts in TCs and TFs are essential to PIARC
- **PIARC has to be meaningful for them**
 - Life and dialogue in the TC is important
 - You will build a network of colleagues
 - You can identify emerging topics

NEXT PIARC CONGRESSES

Save the dates!

- **16th International Winter Road Congress**
 - Calgary, Canada
 - 8 – 11 February 2022
- **27th World Road Congress**
 - Prague, Czech Republic
 - 2 – 6 October 2023



Thank you for your attention!



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