



ANNUAL REPORT

OCTOBER 2021 - SEPTEMBER 2022



www.piarc.org

ACTIVITY REPORT

OCTOBER 2021 – SEPTEMBER 2022

FOREWORD

FROM THE PRESIDENT'S DESK

Dear Colleagues,

It has been just about a year since being elected President together with the Executive Committee. At the time we were operating from behind walls created by the un-invited guest Covid-19, wondering when and, in some instances, if “normality” as we knew it would return. Where has 2022 gone? Well, I think I have a fair idea. We have been rather busy managing our ever-developing dynamics that we experience in our organizations, globally and personally. But as you may observe our activities have rapidly resumed with meetings and travels have followed one another at a frenetic pace. Fortunately, the new executive team has ably taken over from its predecessor, to whom I express my sincere gratitude including to my friend – Past President Claude Van Rooten and Commission Chairs. Also, my sincere thanks to the chairpersons of the various committees and the General Secretariat led by Patrick Mallejacq for their warm welcome and support. The transition from old to new was smooth with new projects already under way.

The Strategic Planning Commission has started drafting the next Strategic Plan. It has organised an in-depth survey of the needs of the members and of the experts themselves, allowing to present to the 2022 Council meeting a well-advanced project for the 2024-2027 work cycle. The new strategy will among others entail developments on gender diversity and inclusion, proposed by an ad hoc team which has worked actively since last year.

The Financial Strategy, as prepared during the previous period, will help us to go through the financially challenging period we are entering because of higher inflation rates among others. The Communications Commission went on working closely with the General Secretariat – the first results are already visible. A special mention should be made on fee collection: as you remember, the Council in 2021 placed a strong emphasis on this important matter, with a new approach on countries with arrears. This new stance proved quite efficient in 2022, as the number of paying countries rose. More importantly, we could rekindle relations with a certain number of government members.

The year 2022 started with fanfare with the 16th Winter Service and Road Resilience Congress, organised with Transport Canada and Calgary in February 2022. A first and hopefully a last for PIARC, it was held online that deprived us of the enjoyment of the magnificent scenery of Alberta mountains, and the vibrant atmosphere of its capital. We had to attend the Congress from an office room, or for many from a home office or a bedroom sometimes very late into the night or early in the morning. Nevertheless, the success was there, and our attendants too proved resilient. It is courteous and customary to thank the organisers of a Congress, but our Canadian colleagues particularly deserve deep acknowledgements, as they endured all the stress and the fruits of their labour without the reward of happy thankful and smiling participants. Many lessons have been learned for the next Winter Congress, which will be held in-person in Chambéry (France) in 2026.

Preparations are now well under way for our next major event, the 27th World Road Congress, to be held in October 2023, in Prague. With the first in-person Executive Committee meeting held in Prague in April, and regular preparation meetings with our Czech colleagues, I am confident that it too will be a great success.

I would like to conclude by our *raison d'être*: our knowledge sharing outputs. In 2022, PIARC has already published 26 new technical reports. A year ahead of the next World Road Congress, this is a commendable achievement, and it proves the efficiency of the new approach decided in the current Strategic Plan. What's more, after international seminars had to be held online, ten in-person seminars will take place as a whole in 2022, almost closing the gap initiated by the Covid crisis. My most sincere thanks to Committees, organisers and host countries and to the General Secretariat for their availability and excellent cooperation.

Nazir Alli
President

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1. ACTIVITIES FROM OCTOBER 2021 TO SEPTEMBER 2022

1.1 COUNCIL

During its 2021 virtual meeting, held Oct. 19-21, elected new officers for the 2022-2024 period: Nazir Alli (South Africa) as president, Emma Lía Albrieu Cipollina (Argentina), Geoff Allan (Australia) and Mark Henry Rubarenzya (Uganda) as Vice-presidents, as well as 22 further Executive Committee members.

The Council also chose Chambéry (France) as the host city of the 2026 Winter Service Congress.

In March 2022, an electronic vote of the Council was also held, at the request of some member countries, and after a virtual meeting of the Executive committee, resulting in the revocation of the Russian Federation from the activities PIARC's bodies and committees.

1.2 EXECUTIVE COMMITTEE

The Executive Committee manages the Association in accordance with the guidelines and decisions of the Council, with the goal (Goal 1) set by the Strategic Plan to constantly improve the management and operation of the Association.

The Executive Committee could meet for the first time in person, on the premises of the 2023 World Road Congress in Prague, April 19-21, with remote participation for some members. During this meeting, the new Commissions were appointed, including their Chairs and Vice Chairs: Geoff Allan (Australia) and Setsuo Hirai (Japan) for the Strategic Planning Commission, Anne-Séverine Poupeleer (Belgium) and Peter Schmitz (Germany) for the Finance Commission, and Claudine Tremblay (Canada-Quebec) and Justin Ward (UK) for the Communications Commission.

1.2.1 Strategic Planning Commission

The Strategic Planning Commission (SPC) met several times in virtual format in February, March, May and in person in September in Milan (Italy). The main issues dealt with by SPC in 2022 were:

- Preparing the structure of the 2024-2027 Strategic Plan, to be approved (in part) during the 2022 Council meeting in Dakar.
- Steering the activities of the Committees and Task Forces (organization, work plans, participation of members, cross-cutting issues, etc.)
- Analysing emerging and relevant issues within the road sector.
- Analysing the future of PIARC Congresses.
- Reviewing the special projects' programme.
- Overseeing issues related to gender equity and inclusion within PIARC.

1.2.2 Finance Commission

Over the period, the Finance Commission (FinCom) met twice, in March 2022 in Vienna and in July 2022 in Paris. It monitored the implementation of the budget and drafted the new one. The Commission noticed the progress made in governmental fee collection and updated the mid-term financial strategy of PIARC with actual figures.

The Association had its accounts certified by an external auditor, as every year since 2016, for legal reasons linked to the level of the subsidy provided by the French ministry in charge of transport. A clean, unqualified audit was received.

1.2.3 Communications Commission

The Communications Commission (ComCom), under its new leadership, organised numerous online meetings all year around. In particular, it could advance a draft strategy on communications and to oversee the Prize competitions.

1.3 CONFERENCE OF NATIONAL COMMITTEES

The National Committees could not meet during the period, as the Council was held exclusively online. There was no online conference for National committees, and all look forward to the in-person meeting to be held in Dakar.

1.4 GENERAL SECRETARIAT

The General Secretariat (GS) continued its main tasks, which include providing support to the Association's bodies, day-to-day running of the Association, participation in the work of the Commissions and publication of the Routes/Roads magazine.

In addition, the following actions were carried out during the past year (described in more detail in the next pages):

- publication of almost all technical reports from the 2016-2019 cycle and two special projects (see paragraph 1.6), as well as of the first documents produced by the Technical Committees of the new 2020-2023 work cycle.
- maintenance of the web-based manuals of the Association (see paragraph 1.12);
- cooperation with partner associations and institutions (see paragraph 1.12);
- development of a program of COVID-related webinars

During the period, new technical advisors joined the General Secretariat:

- Pavel Šušák (Czech Republic) in replacement of Sabine Rosemann (Germany), for Strategic Theme 4;
- Evelina Åkesson (Sweden) in replacement of Anna-Karin Salmi, for partnerships;
- Eric Dimnet (France) temporarily joined to work on specific resilience related topics;
- Lina Grandlund (Sweden) for a 6 month period, to work on gender equity.

1.5 CONGRESSES OF THE WORLD ROAD ASSOCIATION

1.5.1 XVIth World Winter Service and Road Resilience Congress

In spite of its virtual format, the XVIth World Winter Service and Road Resilience Congress was held under the auspices of Transport Canada and the City of Calgary. It was characterized by:

- A relatively high attendance for an online event (800 registrants);
- The successful addition of the resilience theme to the scope of the Congress, in addition to winter service;
- The involvement of 14 Technical Committees to the development of the international call for papers;
- The addition of Spanish as an official Congress language;

1.5.1 XXVIIth World Road Congress

The preparation with Czech and Slovak colleagues is going on well. The Executive Committee could visit the Congress premises in April 2022 and a preparation meeting is held almost every week between the Organizing Committee and the General Secretariat. Congress brochure N°2 has been published.

1.6 TECHNICAL COMMITTEES AND TASK FORCES

The beginning of the year was again marked by the Covid crisis and very limited travel possibilities, but those concerns have receded after the first quarter. Technical Committees and Task Forces were able to continue their work, and many meetings are now held in-person again, with interim progress updates online. This resulted in a total 24 webinars, seminars, workshops and conferences organised until the end of October 2022; 11 were in-person or hybrid and 13 virtual only.

They also produced the first written documents from the cycle, mostly case studies and literature review (see Annex 3).

1.7 SPECIAL PROJECTS

The two special projects launched in 2020, namely “[Road related data and how to use them](#)” and “[Overweight Vehicles: Impact On Road Infrastructure And Safety](#)” were completed and published.

The two projects approved for a further development in 2021 were also finalised and published:

- [Bridge And Tunnel Strikes By Oversized Vehicles](#)
- [Smart Roads Classification](#)

In 2022, three new special projects started, thanks to significant financial support from Member Countries:

- Carbon Neutrality of Road Transport
- Social Equity
- Knowledge Sharing on Road Safety

1.8 COVID RESPONSE TEAM

After dense activities late into 2021, the Covid response team was terminated in 2022. All related documents can be read here: <https://www.piarc.org/en/News-Agenda-PIARC/Coronavirus-PIARC-and-Covid-19>

1.9 COMMUNICATION

The period proved particularly fruitful in communication activities; an intern (Master 2) added a valuable input. The main quantitative figures of the communication activities are:

- 102 news articles since October 2020 on the website, plus push mail for some of them;
- A now well-established monthly newsletter in 3 languages (11 issues over a year);
- An active presence on social networks (6,500 followers on LinkedIn and 3 posts per week; 4,000 on Twitter and 3 posts per week),
- A strong development of PIARC videos, available on our Website and on YouTube;
- The release of webpages dedicated to the Covid crises, with the edition of presentations and videos.
- Support to Transport Canada to promote Calgary 2022
- PIARC’s presence at TRB 2022 and ITF 2022 to advertise for upcoming events;
- Extensive support to the Czech Local Organizing Committee for the WRC 2023
- PIARC GS Support to ComCom.

1.10 PIARC WEBSITE WWW.PIARC.ORG

The table below shows statistics of the number of visitors of the website. A quick glance at the figures may lead to conclusion that the Website continued to face a severe drop in the number of visits. This apparent disaffection is a consequence of the implementation of the EU General Data Protection Regulation (GDPR), allowing web surfers to turn down the tracking cookies. This option seems to have been chosen by many a visitor, as the decrease clearly begins with the launching of the new website, which authorizes this function.

The average number of pages per visit and the average duration of individual visits showed a remarkable parallel came back to the 2019 level.

PIARC Website – Number of visits

<i>Period</i>	01/08/2019 - 31/07/2020	01/08/2020 - 31/07/2021	01/08/2021 - 31/07/2022
<i>Number of visits</i>	80,588	69,456	60,626
<i>Number of single users</i>	32,090	26,854	24,986
<i>Number of pages viewed</i>	461,038	344,842	300,501
<i>Average number of pages per visit</i>	5,72	4,96	4,96

Average duration of visits (minutes)	5:17	4:22	4:09
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Note: consultations by the General Secretariat are not considered in these statistics.

1.11 ONLINE MANUALS

The first three online manuals of the Association were introduced during the Seoul Congress in November 2015. Over the 2016-2019 work cycle, the relevant Technical Committees (TCs) were tasked with updated these manuals, which were presented during the Abu Dhabi Congress.

In addition, the Association published a fourth manual in October 2017, dedicated to Road Asset Management.

A fifth manual, dedicated to disaster management, was launched in August 2022: <https://disaster-management.piarc.org/en>

1.12 PUBLICATIONS

1.12.1 Technical reports

26 new reports as well as translations into French and Spanish of reports published the previous years have been published.

The detailed list of these documents is included in Annex 3 of this annual report.

1.12.2 Routes/Roads magazine

The *Routes/Roads* magazine is an essential product of the Association, contributing to its mission of knowledge dissemination. *Routes/Roads* is now printed in three separate monolingual editions in English, French and Spanish.

The topics covered since the last Council meeting are as follows:

- Autonomous vehicles – RR 391, December 2021
- Winter Service – Calgary Prizes - RR 392, March 2022
- Winter Service – Calgary Honourable mentions - RR 393, June 2021,
- Road Asset Management - RR 394, September 2022.

1.13 COOPERATION WITH OTHER ASSOCIATIONS/ORGANIZATIONS - PARTNERSHIPS

Promoting cooperation with regional associations of road administrations and with international organizations having similar objectives is one of the goals of the Association's Strategic Plan. We have been able to develop an ambitious plan of activities thanks to our Technical Advisor for Partnerships, who is seconded from Sweden.

1.13.1 Main PIARC partners

PIARC partners are, amongst others, regional road organisations: CEDR, REAAA, DIRCAIBEA. The reason is to work with them to access all countries actively, to avoid any overlap of activities and, all in all, to serve the needs of all road organisations efficiently.

PIARC has Memorandums of Understanding with several of the regional road organisations; CEDR (Europe) and with NVF (Nordic countries), REAAA in Asia.

A very interesting and welcome development is that CEDR contributed 10,000 Euros to the PIARC Special project on Equity and accessibility in 2022. We extend our gratitude to CEDR.

The collaboration with REAAA has deepened through the mirroring of PIARC technical committees and REAAA Technical committees on pavement, road safety and climate change and resilience. In June, a joint workshop on Disaster management, was organised between REAAA, PIARC and the Japan Road Association.

PIARC has a memorandum of understanding with CAF (Development Bank for Latin America). There are a dozen CAF experts involved as associate members in the PIARC technical committees. PIARC has contributed to CAF's Massive Open Online Course MOOC on delivery of road infrastructure and is discussing a continuation.

Our relationship with the ITF (International Transport Forum) remained very active. It offers a platform to promote our work as well as road-related issues to a very diverse and high-level audience and allows us to collect input that informs our activities. PIARC President was invited to speak at a Ministerial session at the ITF Summit in May, and our PIARC experts has been involved in ITF work and report on the safe systems approach.

PIARC is part of a consortium working on a major road safety project in Tanzania, which is funded by the United Nations Road Safety Fund. The project is led by IRF (in Geneva) and PIARC is contributing through the input from the Road Safety committee.

PIARC takes part in the plenary meetings of United Nations Road Safety Collaboration (UNRSC), which is an informal consultative mechanism with the purpose of coordinating stakeholders to implement the UN resolutions on road safety. The Chair of our Road Safety Committee is a member of the advisory board for the next Global status report on Road Safety.

Through the Committee on climate change and resilience, PIARC contributes to the work of the United Nations Economic Commission for Europe (UNECE) Expert group on climate change for transport networks and nodes.

PIARC also works with technical organisations when they can support or contribute to our activities and vice versa. For example, ITA COSUF on tunnels

PIARC has a memorandum of understanding with the USA's TRB (Transportation Research Board) where some of the activities are to promote each other's activities and news.

PIARC organised two Advisory group meetings with our partner organisations; one physical meeting in relation to the ITF summit in Leipzig in May. In this meeting PIARC presented the process for developing a new strategic plan and asked partners for input to the next plan.

PIARC also organised meetings with a network of "partnership correspondents" within Committees and Task Forces for updates on the partnership activities within committees and task forces. In 2022 three such meetings have taken place.

PIARC regularly invites partner organisations to take part in the technical committees and task forces as associate members. In 2022 PIARC conducted an assessment of the involvement of the associate members that will serve as input for the next cycle.

1.13.2 Meetings and events

In 2022 some meetings still remain virtual, but many meetings are organized as physical or hybrid meetings:

- TRB Annual Meeting, 9-13 January 2022, Washington DC
- ITF Annual consultation on Gender and Transport, 19 January, 2022 (Online)
- ITF Annual Consultation of International organisations, 20 January, 2022 (Online)
- CEDR and PIARC webinar Intelligent access 27 January, 2022 (online)
- ITF 2022 Summit: Transport for Inclusive societies, 18-20 May, 2022, Leipzig
- Sum4All: Energy and Mobility Nexus Working Group meetings 25 May, 2022 (online)
- TRB ICC working group 3 meeting, 27 June, 2022 (online)
- ITS European congress 2022, 30 May- 2 June, 2022, Toulouse Patrick
- PIARC Promotion of gender inclusion and diversity Team (PGIDT) webinar "Gender inclusion in the transport sector. Together with ITF, TRB and TC 1.1. 7 June, 2022 (online)
- ISHGD International Symposium for Highway Geometric Design, Amsterdam, 29 June, 2022 Amsterdam
- ISWIM 3 rd Regional Seminar on Weigh-In-Motion 6-8 July, Pretoria
- MPGCA transport thematic group meeting 11 July, 2022 (online)
- TRB International Coordinating Council, Mid-Year Meeting, 15 July, 2022 (online)
- ITA-AITES World tunnel congress 2022, 2-8 September, 2022 Copenhagen (Online)
- The Ten Step Plan for Safer Road Infrastructure (Tanzania), Consortium meeting, 7 September, 2022 (online)
- UNRSC meeting 4 October 2022 (Online)

- 118th REAAA Council Meeting 16-20 October, 2022 Christchurch

1.14 SOFTWARE

1.14.1 HDM-4

No major development occurred in 2022. The Council decided in 2021 to invest royalties from the software sales in further developments of the system, which are now led by the World Bank. The Bank is currently developing this new programme.

1.14.2 QRAM

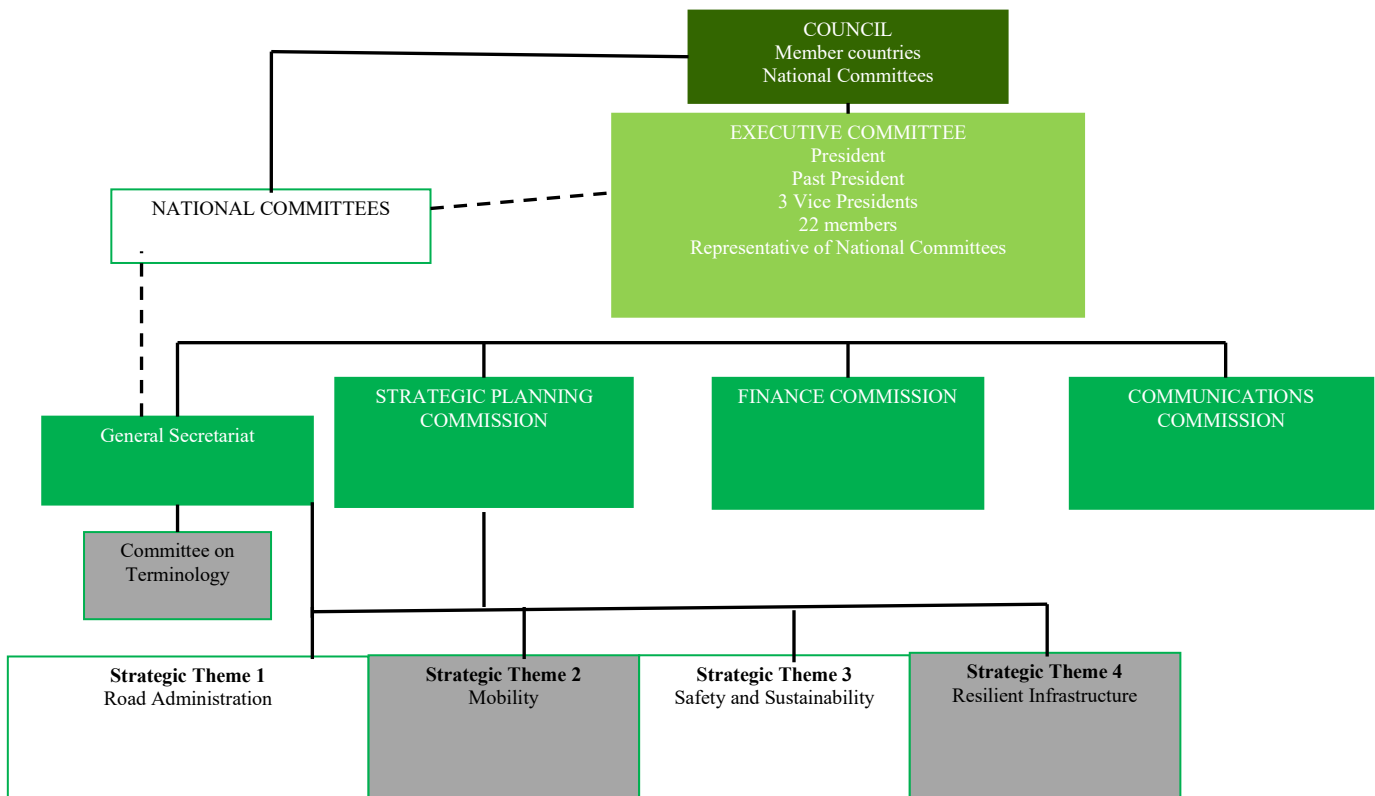
In 2022, developments of a new version of QRAM, to be released in 2023, went on according to schedule.

2. APPENDIX 1 – THE ASSOCIATION IN 2021-2022

2.1 ORGANISATION

The World Road Association (PIARC), established in 1909 as a non-profit organization, is the oldest international association concerned with all issues related to roads and road transport. The Association was granted consultative status with the United Nations Economic and Social Council in 1970.

The current structure of the organization is presented below.



2.2 GOVERNING BODIES

The Council is the highest governing body responsible for the Association.

As at 30 September 2022, the Executive Committee comprises the following membership:

- President: Mr. Nazir Alli (South Africa)
- Past President: Mr. Claude Van Rooten (Belgium)
- Vice-Presidents: Mrs. Emma Lía Albrieu Cipollina (Argentina), Mr. Geoff Allan (Australia), Mr. Mark Henry Rubarenzuya (Ouganda)
- Members: Mr. Jorge Arganis Díaz-Leal (Mexico), Mr. Ernesto Barrera (Chile), Mr. Randall Cable (South Africa), Mr. Mamoudou Alassane Camara (Senegal), Mrs. Sandrine Chinzi (France), Mr. Mārtiņš Dambergs (Latvia / BRA), Mr. Thomas Everett (USA), Mr. Hugh Gillies (United Kingdom), Mr. Javier Herrero Lizano (Spain), Mr. Toyohito Ikeda (Japan), Mrs. Chantal Lanthier (Canada), Mr. Hyeon-Seung Lee (Republic of Korea), Mr. Václav Neuvirt (Czech Republic), Mr. Shri Indresh K. Pandey (India), Mr. Bine Pengal (Slovenia), Mrs. Anne-Séverine Poupeleer (Belgium), Mrs. Emanuela Stocchi (Italy), Mrs. Claudine Tremblay (Canada-Québec), Mr. Alexander Walcher (Austria), Mrs. Birgitta Worringen (Germany), Mr. Chungeng Wu (People's Rep. of China) and Mr. Clemente Poon Hung (Mexico), representative of National Committees on the Executive Committee
- Secretary General: Mr. Patrick Malléjacq (France).

Three Commissions, chaired by members of the Executive Committee, assist the activities of the Executive Committee:

- Strategic Planning Commission (SPC), chaired by Mr. Geoff Allan (Australia) ;
- Finance Commission, chaired by Mrs. Anne-S everine Poupeleer (Belgium);
- Communications Commission, chaired by Mrs. Claudine Tremblay (Canada-Qu ebec).

2.3 MEMBERS OF THE ASSOCIATION

There are five categories of Association members: national governments, regional authorities, collective members, individual members and honorary members.

As of 30 September 2022, the Association's member countries include 123 national member governments, from around the world. Kazakhstan became a member in 2021. Montenegro decided to leave the Association in 2022. Approximately two thirds of the member countries are developing countries or countries in transition. In addition, there are 522 collective members and 1,186 individual members from more than 140 countries.

PIARC National Member Governments (*as at 30 September 2022*)

ALGERIA	CROATIA	KAZAKHSTAN	SAUDI ARABIA
ANDORRA	CUBA	LITHUANIA	SENEGAL
ANGOLA	CZECH Rep.	LUXEMBOURG	SINGAPORE
ARGENTINA	DENMARK	MADAGASCAR	SLOVAK REPUBLIC
AUSTRALIA	DOMINICAN Rep.	MALAYSIA	SLOVENIA
AUSTRIA	ECUADOR	MALI	SOUTH AFRICA
AZERBAIJAN	EL SALVADOR	MALTA	SPAIN
BAHRAIN	EGYPT	MAURITANIA	SRI LANKA
BANGLADESH	ESTONIA	MAURITIUS	SWEDEN
BELGIUM	ESWATINI	MEXICO	SWITZERLAND
BENIN	FINLAND	MOLDAVIA	SYRIA
BHUTAN	FRANCE	MONGOLIA	TANZANIA
BOLIVIA	GABON	MOZAMBIQUE	THAILAND
BOTSWANA	GERMANY	MOROCCO	TOGO
BRAZIL	GHANA	MYANMAR	TONGA
BULGARIA	GREECE	NAMIBIA	TUNISIA
BURKINA FASO	GUATEMALA	NEPAL	TURKEY
BURUNDI	GUINEA	THE NETHERLANDS	UGANDA
CAMBODIA	HONDURAS	NEW ZEALAND	UKRAINE
CAMEROON	HUNGARY	NICARAGUA	UNITED KINGDOM
CANADA	ICELAND	NIGER	UNITED STATES OF AMERICA
CANADA-QU�EBEC	INDIA	NORWAY	UNITED ARAB EMIRATES
CAPE VERDE	INDONESIA	PAKISTAN	URUGUAY
CHAD	IRAN	PANAMA	

CHILE	IRELAND	PAPUA NEW GUINEA	UZBEKISTAN
CHINA (PEOP. REP.)	ISRAEL	PARAGUAY	VENEZUELA
COLOMBIA	ITALY	PERU	VIET NAM
CONGO (REP.)	JAPAN	PHILIPPINES	YEMEN
CONGO (DEM REP)	KAZAKHSTAN*	POLAND	ZIMBABWE
COSTA RICA	KENYA	PORTUGAL	
CÔTE D'IVOIRE	KOREA (Rep.)	ROMANIA	
	KUWAIT	RUSSIA	
	LATVIA		

2.4 NATIONAL COMMITTEES

In several member countries, National Committees have been established, or existing organizations have been recognized as acting as National Committee, to promote the Association, provide leadership within the road community on a national level, contribute towards ensuring more participation in the activities and to ensure a wider dissemination of the work of Technical Committees. The representatives of the National Committees meet once a year in conjunction with the Council meeting.

The Association has in total **48 National Committees** or organizations recognized as acting as a National Committee.

National Committees

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

2.5 GENERAL SECRETARIAT

As at 30 September 2022, the PIARC General Secretariat includes:

- a Secretary General, Patrick Malléjacq, and a Deputy Secretary General, Robin Sébille, both seconded by France.
- a Technical Director, Miguel Caso Flórez, seconded by Spain and Mexico.
- seven Technical Advisors seconded by Japan, South Korea, Sweden (full time), Czech Republic (part time), France, Mexico (2 persons part time) and Poland (part time) for various durations.
- seven permanent staff who are salaried by PIARC: Véronique Anselin (executive assistant), Isabelle Fanguinovény (executive assistant and Véronique's successor), Alain Charles (web manager), Marina Domingo Monsónis (communications), Cécile Jeanne (publications), Hanitra Rabetaliana (accounts), Nathalie Sabbah (office clerk).
- one provisional staff, Perrine Marchand, replacing Marina Domingo Monsónis during her maternity leave.
- one apprentice: Ethan Wilton, a bachelor's degree student in computer science on a learning programme.

With regard to the Technical Advisors, the situation is as follows:

- Jorge Monforte Alarcón (Mexico) Since April 2022, he has been working part-time for the General Secretariat and follows up the work of Strategic Theme 1 (Road Administration).
- Jeayoun Kim (South Korea) joined PIARC General Secretariat in Paris in March 2022, to follow up Strategic Theme 2 (Mobility).
- Kei Senoo is seconded by Japan since February 2022 and follows up Strategic Theme 3 (Safety and Durability).
- Pavel Šušák (Czech Republic) works part time in Prague and is in charge of the follow-up of Strategic Theme 4 (Resilient infrastructure).
- Lina Granlund (Sweden) is in charge of partnerships as well as gender diversity and equity issues.
- Aleksandra Cybulska (Poland) joined the team on 1st June 2019 as event planning Coordinator (part time position).
- Jazmin Orozco Pastrana (Mexico) joined the team in April 2022 as technical advisor in charge of National Committees (part time position).

3. ANNEX 2. STRATEGIC PLAN 2020-2023

The Council approved the Strategic Plan 2020-2023 at its meeting in Abu Dhabi (United Arab Emirates) in October 2019. The Council delegated to the Executive Committee minor modifications that could result from the comments made by the Council members, from the discussions at the Abu Dhabi Congress and from suggestions by the Technical Committees.

The Strategic Plan sets a series of goals for the Association and structures the activity of Technical Committees in five Strategic Themes, each led by a Coordinator.

Strategic Themes for the 2020-2023 period

Strategic Theme 1 - Road Administration	
Goal	The external operating context related to road infrastructure and road transport is constantly evolving in response to large social, economic, and environmental shifts. This affects the financing and risk managing for the construction, rehabilitation, and maintenance of road assets that are priorities in transportation, since sometimes the public-sector budgets are not enough to meet future funding requirements. In addition, safety and security in road systems, technological advances, data-driven and digitalization of road infrastructure, as well as resilience to climate change and extreme weather events are challenged issues that all Road Administrations are facing.
Coordinator	<i>Ernesto BARRERA GAJARDO (Chile)</i>
Strategic Theme 2 - Mobility	
Goal	The goal of this Strategic Theme is to provide good knowledge and some sustainable answers to all communities in the fields of people mobility and goods transportation, taking into account what follows: challenges for mobility policies mentioned above, the opportunity of new technologies, and the increasing need to have a good alignment between mobility policies and the broader goals of communities, in a context where those goals are changing.
Coordinator	<i>André BROTO (France)</i>
Strategic Theme 3 - Safety and Sustainability	
Goal	There is a growing awareness worldwide that the strategy and policies, which are formulated by road administrators and transport-related organizations, enhance safety and security in road systems during the design, construction, and operation of road infrastructure. This environment steers them to producing practical solutions to improve road safety with further developed technologies and to raise awareness of cybersecurity for strengthening road and transportation security. Pursuing the efficient road operation especially in winter service, optimizing the maintenance cost of road assets, and contributing to the sustainable environment are also essential for road administrators and transport-related organizations to manage road infrastructure successfully.
Coordinator	<i>Keiichi TAMURA (Japan)</i>
Strategic Theme 4 - Resilient Infrastructure	
Goal	Roads are important, and in some cases even critical, infrastructures that make an important contribution to the social and economic well-being of the society. In this context, ensuring the availability, safety and reliability of road transport infrastructure is crucial. This should include, in addition to normal operation, in particular planning, preparation, response and rehabilitation in the event of unplanned and unforeseen natural or other events, and also includes the safe operation of road networks in the event of events that may have an indirect impact on availability and reliable operation, such as pandemics or black swan events. Against this background, owners and operators of roads are required to proactively manage risks for the infrastructure itself and its users. This poses the challenge of assessing all existing threats and, if necessary, taking measures to ensure availability as far as possible under all conditions.
Coordinator	<i>Jürgen KRIEGER (Germany)</i>

The list of PIARC Technical Committees and Task Forces, with the name of Chairs and English, French and Spanish-speaking Secretaries is included in the following page. Technical Committees are linked to one of the four Strategic Themes above, while the Terminology Committee is directly linked to the General Secretariat.

TECHNICAL COMMITTEES / TASK FORCES 2020-2023 – LIST OF CHAIRS AND SECRETARIES

	Chair	English-speaking Secretary	French-speaking Secretary	Spanish-speaking Secretary
TC 1.1 Performance of Transport Administrations	Christos S. XENOPHONTOS (USA)	Alan COLEGATE (Australia)	Joseph AHISSOU (Benin)	José Manuel BLANCO SEGARRA (Spain)
TC 1.2 Road and Transport Planning for Economic and Social Development	Fabio PASQUALI (Italy)	tbd	Abdelkader FAHAM (Algeria)	Alicia Haydee LORDI (Argentina)
TC 1.3 Finance and Procurement	Francesco SCIAUDONE (Italy)	Francesco MICCI (Italy)	Jean-Max GILLET (France)	Hector OVALLE (Mexico)
TC 1.4 Climate Change and Resilience of Road Networks	Caroline EVANS (Australia)	Louis BETTINI (Australia)	Fabien PALHOL (France)	Juan Fernando MENDOZA SÁNCHEZ (Mexico)
TC 1.5 Disaster Management	Yukio ADACHI (Japan)	Neil FISHER (New Zealand)	Alain LEFEBVRE (Belgium)	Marcelo MEDINA SANTIBANEZ (Chile)
TF 1.3 Well-prepared Projects in LMICs	Michel DÉMARRE (France)	Chris FURNEAUX (UK)	tbd	Clemente POON (Mexico)
TC 2.1 Mobility in Urban Areas	Andrea SIMONE (Italy)	Ian PATEY (UK)	Sandrine ROUSIC (France)	Luis MIRANDA-MORENO (Canada-Québec)
TC 2.2 Accessibility and Mobility in Rural Areas	Souleman OUSSIMAN (Burkina Faso)	Paula CLAYTONSMITH (UK)	Imen MAKHLOUF (Tunisia)	Mariano BARONE (Argentina)
TC 2.3 Freight	Martin RUESCH (Switzerland)	Tiffany JULIEN (USA)	Bernard JACOB (France)	Carlos SANTILLAN DOHERTY (Mexico)
TC 2.4 Road Network Operation / Intelligent Transportation Systems	Valentina GALASSO (Italy)	James ELLIOTT (UK)	Kaouther MACHTA (Tunisia)	Daniel RUSSOMANNO (Argentina)
TF 2.1 New Mobility and its Impact on Road Infrastructure and Transport	Ana-Luz JIMENEZ (Spain)	Ian PATEY (United Kingdom)	Abdelmenname HEDHLI (France)	Antonio GRANADO (Spain)
TF 2.2 Electric Road Systems	Jan PETERSSON (Sweden)	Doros NICOLAIDES (UK)	Patrick DUPRAT (France)	Jesús LEAL BERMEJO (Spain)
TC 3.1 Road Safety	John MILTON (USA)	Lucy WICKHAM (United-Kingdom)	Lise FOURNIER (Canada-Québec)	Roberto LLAMAS RUBIO (Spain)
TC 3.2 Winter Service	Peter NUTZ (Austria)	Steven LUND (USA)	Stéphanie GAUDÉ (France)	José Carlos VALDECANTOS ALVAREZ (Spain)
TC 3.3 Asset Management	Gerardo FLINTSCH (USA)	James SMITH (Canada)	Pascal ROSSIGNY (France)	Miguel VALDES FLORES (Chile)
TC 3.4 Environmental Sustainability in Road Infrastructure and Transport	Eric DIMNET (France)	Tamara NICHOLSON (USA)	Mathieu CHABOT-MOREL (Canada-Québec)	tbd
TF 3.1 Road Infrastructure and Transport Security	Saverio PALCHETTI (Italy)	Chris JOHNSON (Canada)	Philippe CHANARD (France)	Luz Angélica GRADILLA HERNÁNDEZ (Mexico)
TC 4.1 Pavements	Margo BRIESSINCK (Belgium)	Gina AHLSTROM (USA)	Aïda BERGAOUI SRIHA (Tunisia)	José del CERRO GRAU (Spain)
TC 4.2 Bridges	Kiyohiro IMAI (Japan)	Joseph HARTMANN (USA)	Pierre GILLES (Belgium)	Gonzalo ARIAS HOFMAN (Spain)
TC 4.3 Earthworks	Patrick BOISSON (France)	Paul NOWAK (UK)	Yasmina BOUSSAFIR (France)	Natalia PÉREZ GARCIA (Mexico)
TC 4.4 Tunnels	Ingo KAUNDINYA (Germany)	Tiago MASSINGUE (South Africa)	Jean-Claude MARTIN (France)	Rafael LOPEZ GUARGA (Spain)
TF 4.1 Road Design Standards	Mariusz KIEC (Poland)	Margaret NGOTHO OGAI (Kenya)	Matthieu HOLLAND (France)	Fernando LOPEZ-MENCHERO DIEZ (Spain)
Terminology	Bernard JACOB (France)	Mitsuru SAITO (USA) - acting	Emanuela STOCCHI (Italy)	Carlos SANTILLAN DOHERTY (Mexico)
Road Statistics	Hirofumi OHNISHI (Japan)	Tomonobu TANINO (Japan)		

4. ANNEX 3. PIARC PUBLICATIONS

4.1 TECHNICAL REPORTS FROM THE 2016-2019 CYCLE

In French: 1 report

- [2021R02E/FR](#) - Manuel Terrassement – Développements techniques spécifiques – 2E – Aspects environnementaux

4.2 TECHNICAL REPORTS, BRIEFING NOTES AND LITERATURE REVIEWS FROM THE 2020-2023 CYCLE

The 2020-2023 cycle inaugurated new products from the General Secretariat and Technical Committees, along with the traditional Technical Reports and Case studies: Briefing notes and Literature reviews. A significant quantity was issued during the first year of the new cycle and the automated translation tools allowed to have almost of all these documents, drafted in English, to be put online with very few delay.

In English: 26 reports

- [2022R01EN](#) - Diversity and Talent Management in Transport Administrations – The Road to Success? – Literature review
- [2022R02EN](#) - Reducing The Life Cycle Carbon Footprint Of Pavements – High Impact Summary
- [2022R03EN](#) - Use of Recycled Materials in Pavements - Case studies
- [2022R04EN](#) - Improving Road Tunnel Resilience, Considering Safety and Availability – Briefing note
- [2022R05EN](#) - Impact of New Propulsion Technologies on Road Tunnel Operations and Safety - Case Studies
- [2022R06EN](#) - Maintenance and Traffic Operation of Heavily Trafficked (Urban) Road Tunnels – Case studies
- [2022R07EN](#) - Documents Relevant to Road Infrastructure and Transportation Security – Literature review
- [2022R08EN](#) - Greening of Freight Transport
- [2022R10EN](#) - Use Of Recycled Materials In Pavements - Briefing note
- [2022R09EN](#) – Utilizing Data to Optimize Road Network Operations – Case studies
- [2022R11EN](#) - Techniques and Innovations in Earthworks – Case studies
- [2022R12EN](#) - Well-Prepared Projects – Case studies
- [2022R13EN](#) - Best Practices in Funding and Financing of Road Infrastructure – Case studies
- [2022R14EN](#) - Control and Enforcement Measures to Reduce Truck Overloading and Associated Infrastructure Damage on Road Networks – Case studies
- [2022R15EN](#) - Summary of the Webinar on Post Covid-19: Planning for Economic Recovery – Briefing note
- [2022R16EN](#) - A Study on Financial Management of Disasters in the International Arena – Briefing note
- [2022R17EN](#) - The Use of Big Data and Social Networks for Disaster Management – Briefing note
- [2022R18EN](#) - The Role of Transport Agencies in Shaping Disruptive Technologies and Service Models - Survey Report
- [2022R19EN](#) - The Role of Transport Agencies in Shaping Disruptive Technologies and Service Models - Private Sector Roundtable
- [2022R20EN](#) - Advancement of Inspection Techniques / Technologies as a Part of Bridge Management Systems – Case studies
- [2022R21EN](#) - Resilience of Earth Structures – Case studies
- [2022R22EN](#) - State of the Art in Road Design Standards
- [2022R23EN](#) - Road Bridges - New Rehabilitation Materials and Technologies

- [2022R24EN](#) - Measures for Increasing the Adaptability of Road Bridges to Climate Change – Literature review
- [2022R25EN](#) - Measures for Improving Resilience of Pavements – Case studies
- [2022R26EN](#) - Customer Experience – Case studies

In French: 6 reports

- [2022R02FR](#) - Réduire l'empreinte carbone du cycle de vie des chaussées – Résumé à fort impact
- [2022R10FR](#) - Utilisation de matériaux recyclés dans les chaussées - Note d'information
- [2022R11FR](#) - Techniques et innovations en terrassements – Études de cas
- [2022R15FR](#) - Résumé du webinaire sur le post covid-19 : planification de la reprise économique – Note d'information
- [2022R16FR](#) - Étude internationale de la gestion financière des catastrophes - Note d'information
- [2022R17FR](#) - Utilisation du big data et des réseaux sociaux pour la gestion des catastrophes - Note d'information

In Spanish: 12 reports

- [2022R01ES](#) - Diversidad y gestión del talento en las administraciones de transporte: ¿el camino hacia el éxito? – Revisión bibliográfica
- [2022R02ES](#) - Reducir la huella de carbono del ciclo de vida de los pavimentos – Resumen de alto impacto
- [2022R03ES](#) - Uso de materiales reciclados en los pavimentos - Casos de estudio
- [2022R10ES](#) - Uso de materiales reciclados en los pavimentos - Nota informativa
- [2022R11ES](#) - Técnicas e innovaciones en movimientos de tierra - Casos de estudio
- [2022R15ES](#) - Resumen del Seminario en línea sobre post-Covid-19: Planificación de la recuperación económica - Nota informativa
- [2022R16ES](#) - Estudio sobre la gestión financiera de las catástrofes en el ámbito internacional – Note informativa
- [2022R17ES](#) - Uso de big data y redes sociales para la gestión de desastres – Note informativa
- [2022R18ES](#) - El papel de las agencias de transporte en la configuración de tecnologías y modelos de servicio disruptivos - Informe de encuesta
- [2022R19ES](#) - El papel de las agencias de transporte en la configuración de tecnologías y modelos de servicio disruptivos - Mesa redonda del sector privado
- [2022R24ES](#) - Medidas para aumentar la adaptabilidad de los puentes de carretera a los cambios climáticos - Revisión bibliográfica
- [2022R26ES](#) - Experiencia de cliente - Casos de estudio

4.2 SPECIAL PROJECT REPORTS PUBLISHED IN 2021-2022

- [2021SP01EN](#) - Smart Roads Classification
- [2022SP01EN](#) - Overweight Vehicles: Impact On Road Infrastructure And Safety
- [2022SP02EN](#) - Bridge And Tunnel Strikes By Oversized Vehicles
- [SIDB 2022](#) – Snow and Ice Databook

4.3 MOST DOWNLOADED DOCUMENTS (TOP 25)

The above table shows a constant interest for PIARC publications linked to tunnels and road safety. The electronic download to the full magazine seems to establish itself at a rather low level.

<i>Document</i>	<i>Downloads</i>
<i>Management documents</i>	
<i>Strategic-Plan-2020-2023-PIARC-World-Road-Association-Update-October-2020.pdf Strategic Plan 2020-2023 English – October 2020</i>	421
<i>General-Introduction-to-PIARC-May-2020-World-Road-Association.pdf About PIARC</i>	169
<i>Plan-Strategique-2020-2023-PIARC-Association-Mondiale-de-la-Route-Actualisation-October-2020.pdf Strategic Plan 2020-2023 French – October 2020</i>	163
<i>Technical documents</i>	
<i>05-05-B.pdf Fire and Smoke Control in Road Tunnels</i>	387
<i>SIDB2022EN-Snow-Ice-Databook.pdf Snow And Ice Databook 2022</i>	328
<i>2020SP02EN-Road-Related-Data-and-How-to-Use-it-PIARC-19012021.pdf Road Related Data and How to Use it</i>	320
<i>2022R03EN-Use-of-Recycled-Materials-in-Pavements-PIARC-Technical-Report.pdf Use of Recycled Materials in Pavements</i>	277
<i>05-16-bilingue0207.pdf Systems and equipment for fire and smoke control in road tunnels</i>	274
<i>2021SP01EN-Smart-Roads-Classification-PIARC-Special-Project-EN.pdf Smart Roads Classification</i>	264
<i>Road-Safety-Manual-2003-PIARC.pdf Road Safety Manual</i>	249
<i>2021LR01EN-Improving-Road-Tunnel-Resilience-Considering-Safety-and-Availability-PIARC-Literature-Review.pdf Improving Road Tunnel Resilience, Considering Safety and Availability - PIARC Literature Review</i>	244
<i>2021SP01EN-Smart-Roads-Classification-PIARC-Special-Project-EN.pdf Smart Roads Classification</i>	229
<i>2019R02-EN.pdf Road Tunnels: Vehicle Emissions and Air Demand for Ventilation</i>	221
<i>SpecialProject-ClimateChange-EN.pdf International climate change adaptation framework for road infrastructure</i>	218
<i>2017R01EN.pdf Design fire characteristics for road tunnels</i>	214
<i>2021LR03EN-PIARC-Countries-Review-Well-Prepared-Projects.pdf How Countries Undertake Well-Prepared Projects: A Review on Ten Countries</i>	202
<i>2019R47EN-Road-Safety-Catalogue-of-Case-Studies.pdf Road Safety - Catalogue Of Case Studies</i>	195

<i>2022SP01EN-Overweight-Vehicles-Impact-On-Road-Infrastructure-And-Safety-PIARC-Special-Project.pdf Overweight Vehicles: Impact On Road Infrastructure And Safety</i>	190
<i>2016R03EN.pdf Fixed fire fighting systems in road tunnels: Current practices and recommendations</i>	180
<i>2021R03EN-Automated-Vehicles-Challenges-and-Opportunities-for-Road-Operators-and-Road-Authorities-PIARC.pdf Automated Vehicles - Challenges and Opportunities for Road Operators and Road Authorities</i>	173
<i>2020R02EN-Preserve-Earthworks-and-Rural-Roads-from-the-Impact-of-Climate-Changes-PIARC-World-Road-Association.pdf Preserve Earthworks and Rural Roads from the Impact of Climate Changes</i>	171
<i>2021LR02EN-Use-of-Recycled-Materials-in-Pavements-PIARC-Litterature-Review.pdf Use of Recycled Materials in Pavements</i>	167
<i>2022R10EN-Use-of-Recycled-Materials-in-Pavements-A-PIARC-Briefing-Note.pdf Use Of Recycled Materials In Pavements - Briefing note</i>	153
<i>RR391-PIARC-ROUTES-ROADS-MAGAZINE-EN-BD.pdf Routes/Roads Magazine 391 - Autonomous Vehicles</i>	149
<i>2022SP02EN-Bridge-And-Tunnel-Strikes-By-Oversized-Vehicles-PIARC-Special-Projects.pdf Bridge And Tunnel Strikes By Oversized Vehicles y</i>	147
<i>Total : 10,242 different documents for 35,477 downloads Total Top 25 5,705 is 16.1 % of Total downloads</i>	5,705



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