

Annual Report



October 2013 - October 2014

World Road Association (PIARC)



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1 President's Foreword

Since our last Council meeting in Rome, our Association has been making progress in most of its fields of activity, as you will find out when reading this Annual Report 2013-2014. Of all the activities taking place during the year, several of them are to be highlighted.

The XIVth International Winter Road Congress held in Andorra in February 2014 was a success. The Congress was the largest such event ever taking place in Andorra. The Congress attracted over 900 registered participants from 48 countries and with the exhibition it involved about 3000 persons (exhibitors, visitors, etc.) It provided a comprehensive, updated and thorough overview of current developments and technologies for road winter maintenance and service.



Oscar de BUEN

President of the World Road Association (PIARC) – 2013-2016

The mid-term Strategic Planning meeting took place in Vienna in July, with the presence of most Technical Committee Chairs and Secretaries. The meeting objectives were to review progress made in the implementation of the current Strategic Plan and to provide inputs and suggestions for the preparation of the Association's Strategic Plan for 2016-2019. Together with the results of various surveys and consultations undertaken during the year, the discussions that took place in Vienna proved useful to advance in preparing the draft of our next Strategic Plan, which will be presented to Council this year in Santiago.

Significant progress was also made in the organization of next year's World Road Congress in Seoul, Republic of Korea. The general structure of the Congress has been defined, the leading theme of the Minister's session has been identified and the topics of the strategic direction sessions and the special sessions have been set and their detailed preparation has already started. I am sure that the XXVth World Road Congress in Korea will be a great success and I invite you to become involved and participate in this unique, once every four years professional event.

Throughout the year, all Technical Committees have continued their work to achieve the goals set in the current Strategic Plan and are well on the way to prepare high-quality, state of the art reports on many different relevant topics for road professionals worldwide. A strong component of Technical Committee work has been the organization of 12 Seminars and Workshops in developing countries and countries with economies in transition. The programs of these events help to provide attendees with relevant knowledge from current fields of interest, and they also serve PIARC to achieve one of its key mandates in transferring such knowledge to different countries and regions of the world.

PIARC's Road Safety Manual stands to become a major contribution of our Association to support worldwide efforts led by the United Nations to improve road safety in all countries and regions of the world. During the year, substantial efforts were undertaken to complete the first draft of the Manual, review it and add case studies that will be relevant to countries in various regions of the world, and especially in middle and low income countries, whose societies and health systems face the largest challenges in road safety. According to current expectations, the Manual should be available on line in the first half of 2015.

Along similar lines, the efforts led by our Association and undertaken by specialized technical groups to define, prepare and consolidate products that are at various stages of development have continued during the year, and they will eventually lead to the development of new or updated products such as the ITS/Road Network Operations Manual, the Winter Data Book, the Asset Management Handbook, and the new version of the HDM-4 model, all of which should help to consolidate our Association as the main source of international knowledge on roads and road transport.

A special mention needs to be given to the Association's first special project, on the importance of road maintenance, which was completed in early 2014 with the valuable contribution of the UK Transportation Research Laboratory and an internal Task Force assembled to supervise and provide feedback on this work. The report presents a brief but comprehensive statement on why countries should provide sufficient funds for road maintenance and how they should organize for an effective performance that meets society's increasing demands. In its English, French and Spanish versions, the report should help to disseminate this key message to road administrations and decision makers worldwide.

Other areas of progress during the year were the identification of new options to improve the dissemination of the products and information generated by our Association through an increased use of the web and by exploring the use of new technologies. The preparation of a report on the use of the Spanish language should also help PIARC to more effectively reach out to road communities that recognize its leadership in roads and road transportation information and knowledge and that are increasingly interested in having full access to its products and services.

All these efforts have been accomplished with the resources provided by the approved budget. The Finance Commission has made an outstanding job in making sure that our Association remains financially healthy and that it builds up a reserve to face potential major expenditures, such as acquiring a permanent location for its offices, without jeopardizing its financial stability. A key challenge consists of ensuring that our Association's activities stay affordable within the approved budgets.

In performing these activities and obtaining these results, the Association has benefitted from the active participation, engagement and support of many individuals and organizations. The contributions of Technical Committee Chairs, Secretaries and members, as well as Commission Chairs, their staffs and members have been permanent. The Secretary General and his staff have been instrumental in making things happen and following up on the many subjects that require their participation. The support given by countries maintaining Technical Advisors at the Paris office has been decisive for the operation of the General Secretariat.

2015 will be a year full of challenges for our Association. We must complete the organization of the XXVth World Road Congress in Seoul, finalize and approve the Strategic Plan 2016-2019, renew the leadership and composition of our Technical Committees and finish and disseminate several key flagship products. We must accomplish those feats, among others, within prevailing budgets, restrictions and limitations, while at the same time coping with ever growing demands and expectations from our membership. We also need to make bold moves to incorporate new technologies and working procedures to ensure that our Association meets the requirements of a younger generation of road professionals.

A pending issue is that of offering more value to developing countries and countries with economies in transition. We need to keep open minds and an active engagement with such countries to ensure that our products and services help them to make progress in road-related matters. Above all, we need to remind ourselves that we all share the vision that roads and road transportation have much to offer to promote development and higher standards of living worldwide. Thank you for staying committed to that vision and for your support to the Association to make it come true.

2 Activities from October 2013 to October 2014

2.1 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 holds two meetings a year. The first one takes place during the first half of the year. In 2014, the first meeting took place on 13-14 February 2014 in Andorra (Principality of Andorra). The second one will take place immediately before the Council meeting, on 28-29 October 2014 in Santiago, Chile. Between the two meetings, the members of the Executive Committee have been consulted by electronic mail on certain topics.

In addition to considering the proposals made by the Commissions (see below) and the related decisions, the Executive Committee has, in particular, covered the following issues over the past year:

- *approval of the call for candidacies for the organization of the XXVIth World Road Congress in 2019;*
- *the future of the Head Office of the Association.*

2.1.1 Strategic Planning Commission

The Strategic Planning Commission (SPC), chaired by Jeffrey PANIATI, met on 3 February 2014 in Andorra and on 2-3 July 2014 in Vienna, and has held several subgroup meetings by video conference. The Commission will hold a meeting in Santiago on 27 October 2014.

The SPC Commission has in particular:

- supervised the work of Technical Committees (TC) of the 2012-2015 cycle;
- launched consultations for the preparation of Strategic Plan 2016-2019, and organized in Vienna (Austria) from 30 June to 3 July 2014 a meeting with the Chairs and Secretaries of all Technical Committees with a view to collecting opinions on the operation of TCs, and proposals on the priority topics for the next work cycle, and to prepare the sessions of the XXVth World Road Congress in Seoul in 2015;
- developed proposals for the topics of the various sessions at the Seoul Congress;
- supervised the Special Project on the Importance of Road Maintenance and launched another project on Adaptation to Climate Change.

2.1.2 Finance Commission

The Finance Commission, chaired by Rudolf DIETERLE, met on 7-8 April 2014 in Berlin, on 4 July 2014 in Munich (Germany) and on 22-23 September 2014 in Lisbon (Portugal). According to Goal 8 in the Strategic Plan assigned to the Finance Commission, the Finance Commission focused on ensuring the good financial health of the Association by reviewing:

- the 2013 accounts,
- the implementation of the 2014 budget,
- the draft budget for 2015,
- the accounts of the Association over the 2008-2015 period.

In addition, the Finance Commission has:

- prepared a report on the premises of the Head Office of the Association and on the financing terms corresponding to the various options;
- examined the accounts of the XIVth International Winter Road Congress in Andorra and the draft budget for the Association for the next World Road Congress Seoul 2015;
- examined the financial details in the bid received for the XXVIth World Road Congress in 2019.

2.1.3 Communications Commission

The Communications Commission (CCOM) chaired by Jane WELDON, met on 18-20 March 2014 in Madrid (Spain). CCOM also held videoconferences on 16 December 2013, 9 January 2014, 21 January, 23 June and 4 September 2014.

During the past year, the Communications Commission has:

- conducted a survey of young professionals on how the association could widen its audience;
- developed a strategy on communication channels,
- developed a strategy to promote the Road Safety Manual,
- developed a strategy on the use of social media,
- launched an initiative on the performance indicators for 2014, including a survey of First Delegates,
- developed a plan enabling to increase visibility of the key products of the Association (previously called “*flagship products*”),
- developed a plan to promote the Special Projects,
- examined the proposal to introduce a digital version of Routes/Roads.

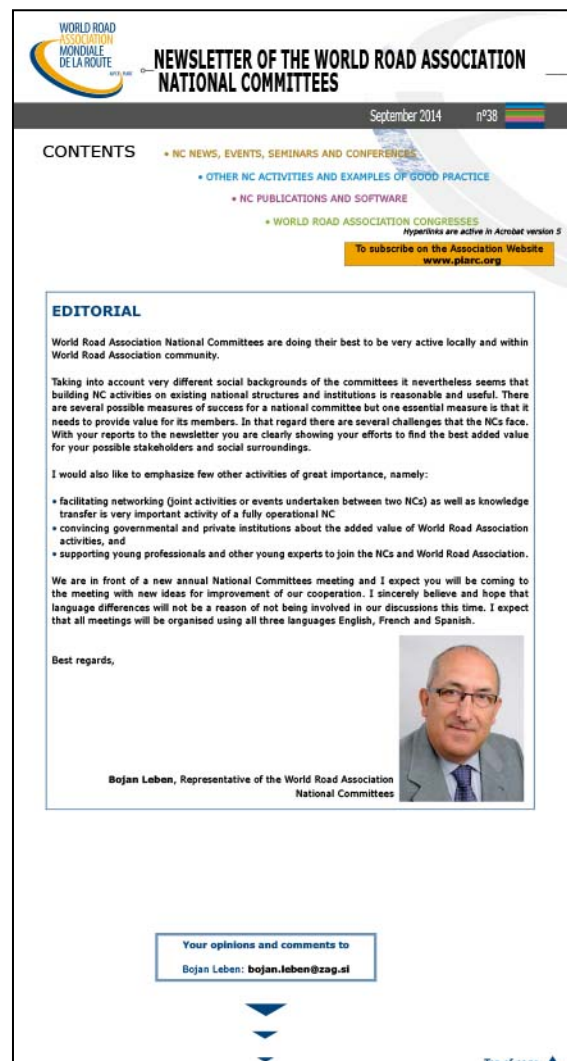
2.2 Conference of PIARC National Committees



The Conference of National Committees approved its 2013-2016 action plan at its meeting in Rome in November 2013. The plan mainly includes: follow-up of the activities of National Committees; support to their activities; strengthening links between the National Committees and their representative on the Executive Committee, Mr. Bojan LEBEN (Slovenia); establishing closer links with the Nordic countries; improving the format of the electronic newsletter; and identifying the best practices of the National Committees.

It is also worth mentioning the following over the past year:

- recognition of SEIT (Ecuador) and ATC (Canada) as National Committees by the Executive Committee at their meeting in Rome in 2013,
- around 10 National Committees presented their activities on the PIARC booth at the XIVth International Winter Road Congress in Andorra;
- ongoing dissemination of information on the activities of National Committees through a quarterly newsletter;
- the representative of National Committees and the General Secretariat have examined the request from the *Road Engineering Association of Malaysia* (REAM) for recognition as National Committee of Malaysia, which will be submitted for approval to the Executive Committee at its meeting in Chile.

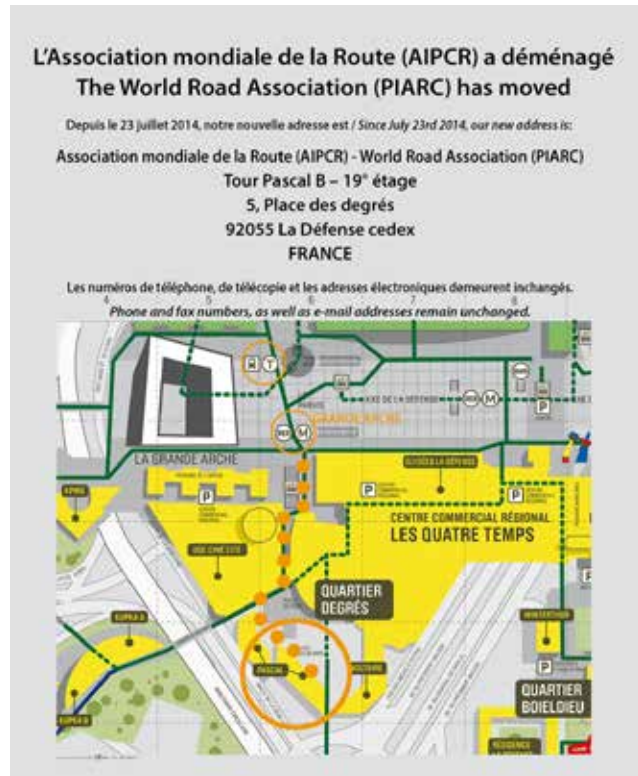


2.3 General Secretariat

In addition to the logistic support brought by the General Secretariat to the Association's bodies, the day-to-day running of the Association, the participation in the work of the Commissions and the publication of the *Routes/Roads* magazine, it is worth pointing out the following actions led during the past year:

- a digital version of the *Routes/Roads* magazine is now available on line at <http://routesroadsmag.piarc.org>;
- the XIVth International Winter Road Congress has taken place in Andorra in February 2014 in close cooperation with the local organizing committee and the Technical Committees involved (see paragraph 2.4.1) and the post-Congress proceedings have been completed;
- preparation of the XXVth World Road Congress in Seoul (November 2015) with the KOC local Korean Organizing Committee (see paragraph 2.4.2);
- ongoing publication of Technical Committee reports of the 2008-2011 cycle (see paragraph 2.7.1);
- direct participation in the administrative management of projects (Special Projects—including the launching of a project on Adaptation to Climate Change, the Road Safety Manual, the HDM-4 contract for service concession);
- managing software developments for producing the web-based version of the various Manuals of the Association, i.e. Road Network Operations Manual and ITS, and Road Safety Manual (see paragraph 2.8);
- organization of the mid-term meeting in Vienna (Austria) of the Chairs and Secretaries of Technical Committees with the Strategic Planning Commission, 30 June – 3 July 2014;
- at the request of Saudi Arabia's First Delegate, the General Secretariat has organized two workshops in Riyadh; the first one on modified bitumens, the second one on road safety audits and inspections;
- co-operation with partner associations and institutions (see paragraph 2.9).

In addition, the General Secretariat had to move once again in July 2014, due to reorganization in the premises of the French ministry. The Head Office now is located in Tour Pascal B, at a short distance from the previous offices, in the business district of La Défense, near Paris.



2.4 Congresses of the World Road Association

2.4.1 XIVth International Winter Road Congress, Andorra, 4-7 February 2014



The XIVth International Winter Road Congress, a first-time event for the Principality of Andorra for such scale of congress, turned out to be a real success: 1500 participants from

48 countries, 3000 visitors to the exhibition (4500 m², 70 booths, 100 brands represented) and attendance of personalities, including the Head of Andorra's Government, the Mayor of Andorra la Vella and Spain's minister of transport.

The technical programme of the Congress, prepared with the contribution of the Winter Service Technical Committee (TC 2.4), the Technical Committee on Road Tunnel Operations (TC 3.3) and the Technical Committee on Road Bridges (TC 4.3) included 140 presentations and 180 posters, out of the 250 proposals received.

The snowplough competition, now a Winter Congress tradition, took place at the Granvalira racetrack at 2 200 m elevation with 10 competitors, and the Andorran team achieving victory.

2.4.2 XXVth World Road Congress, Seoul, 2-6 November 2015



The local Korean Organizing Committee (KOC) was launched in April 2014. The Secretary General traveled to Seoul in July 2014 for a series of meetings with the various stakeholders in the organization of the Congress, enabling to set key dates for the upcoming milestones towards the Congress, in relation with KOC.

Circular n°1 of the Congress was disseminated in February 2014. The website dedicated to the Congress was redesigned recently: <http://www.piarcseoul2015.org>

Regarding the Congress programme, the general theme of the Congress is ***Roads and mobility – Creating new value from transport***. The topic of the Ministers' session will be: *Evolution of road policy for the future generations*. In addition, the topic of the Strategic Direction Sessions have been set:

- the role of road administrations in a multimodal society,
- mobility and increased urbanization,
- the journey road administrations are making towards safer roads,
- commitment on service levels for the road system.

The call for papers was launched in spring 2014. The deadline for receiving abstracts was 30 September 2014.

The titles of the Special Sessions have been decided by the Executive Committee.

2.5 Technical Committees and Task Forces

2.5.1 Work programmes for 2012-2015

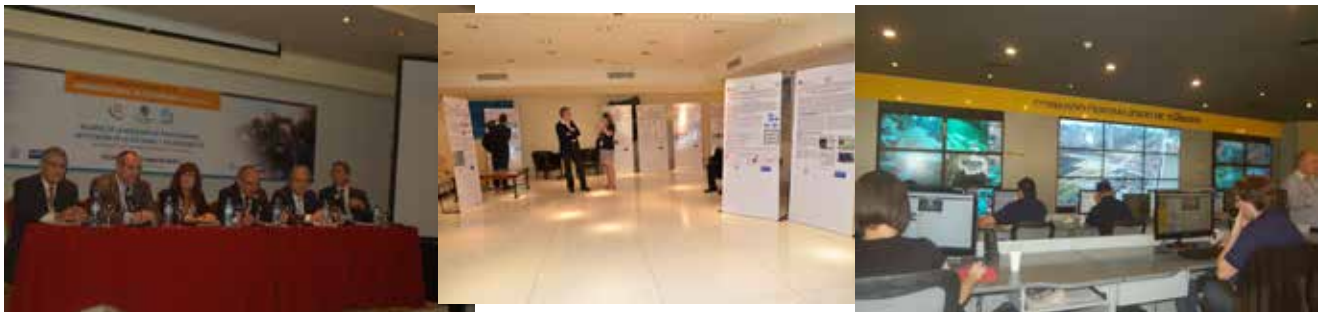
For the most part, the Technical Committees have achieved their programme of meetings and seminars or workshops over the past year (see below).

2.5.2 Seminars in developing countries and countries in transition

Strategic Plan 2012-2015 renewed the goal to organize two international Seminars per Technical Committee for this cycle.

Since the Council meeting in Rome in 2013, the following Seminars and Workshops were organized:

- *Experience gained in PPP projects in the road sector – the way forward*, New Delhi (India), November 2013, with TC 1.3, the Indian Roads Congress and the French Government;
- *Urban Mobility and ITS*, Buenos Aires (Argentina), November 2013 with TC 2.1 and TC 2.2, Argentina Road Association (AAC), Argentina's National Road Administration and ITS Argentina and SAIT, a traffic engineering society;



- *National Road Safety Policies and Programmes*, Buenos Aires (Argentina), November 2013 with TC 3.1, Argentina Road Association (AAC), the Argentine ministry of Home Affairs and the Iberian-American Observatory on road safety;
- *Rural Roads Maintenance*, Durban (South Africa), November 2013, with TC 2.5 and the South African National Roads Agency;
- *Road Condition Monitoring*, Beijing (P. R. of China), March 2014, with TC 4.2 and the Chinese Ministry of Transport;
- *Road Infrastructure Management*, Cancún (Mexico), April 2014, with TC 4.1 and Asociación Mexicana de Ingeniería de Vías Terrestres (AMIVTAC);

- *Road Sustainability and Green Technology*, Bali (Indonesia), April 2014, with TC 1.3, REAAA and the Indonesian Road Development Association (IRDA);



- International Workshop on Road Risk Management, Milan (Italy), May 2014, with TC 1.5 and the Polytechnic University of Milan ;



- *Earthworks and Pavements in arid and semi-arid areas*, Rabat (Morocco), June 2014, with TC 4.4;
- International Workshop « *Security of Road Infrastructure: a Cost or an Opportunity?* », June 2014, London, prepared by the Security Task Force (TF2);
- *Road Financing – Roads and Motorways*, Santiago (Chile), July 2014, with TC 1.2, Asociación Chilena de Carreteras y Transportes, and Chile's ministry of Public Works and Transport;
- *Long Span Bridge Construction, Maintenance and Disaster Resistance Techniques*, Shanghai (P. R. of China), October 2014, with TC 4.3.

2.5.3 Task forces

Task Force 1 on the Road Safety Manual was set up in 2011. The Task Force met in Vienna in July 2014 and several times by videoconference in order to steer the phase related to the drafting of the Manual which was allocated to ARRB Group (see paragraph 2.8).

Task Force 2 (TF 2) on Security of infrastructure was set up in February 2013. In June 2014 TF 2 organized an international workshop in London, which was very successful (see 2.5.3).

2.6 Improvements to the website www.piarc.org



The website is at the heart of the Association's communications and operations. The current version of the website was introduced on the occasion of the World Road Congress in Mexico City at the end of September 2011.

The Spanish version of the website is updated by the secretariat of the Spanish National Committee (ATC).

Over the last twelve months, a number of improvements and new developments were made:

- access to Routes/Roads articles in PDF format, with immediate access for subscribers and members of the Association;
- introduction of Routes/Roads in digital version (see para. 2.7.2);
- online payment of membership fees available for individual members and collective members with automation of certain tasks (creation of a file for new members, edition and transmission of membership card and payment receipt, dissemination of membership fee invoices, etc.);
- dissemination of information on specific topics to target groups of users.

As shown in the table below, the number of visits has been increasing since the new website was introduced.

Periods	1 st April – 30 th September 2012	1 st October 2012 – 30 th September 2013	1 st October 2013 - 30 th September 2014
Number of visits	50 524	135 696	143 463
Number of unique users	27 770	78 520	88 882
Number of pages viewed	260 820	653 701	603 638
Average number of pages per visit	5.16	4.82	4.21
Average duration of visit (minutes)	5:01	4:15	3:52

NB: consultations by the General Secretariat are not take into account in these statistics.

Consultation of the Website on road tunnels

Period	1 st September 2011 – 31 st August 2012	1 st September 2012 – 31 st August 2013	1 st September 2013 – 31 st August 2014
Number of visits	11 300	22 685	31 566
Number of unique users	8 341	17 972	26 728
Number of pages viewed	50 151	68 583	75 525

Top 25 downloads as at 30 September 2014 (tool in operation since 23 June 2014)

Document	Downloads
21406,2014R01-EN.pdf - Alternative solutions for fossil fuels for the road system	191
16655,WEB-2012R05-EN-revise.pdf - Road tunnels: vehicle emissions and air demand for ventilation	157
3860,05-05-B.pdf – Maîtrise des incendies et des fumées dans les tunnels routiers	135
19445,2012R23-EN.pdf - Risk evaluation, current practice for risk evaluation for road tunnels	132
19938,2012R36-EN.pdf - Human factors in road design. Review of design standards in nine countries	130
19602,2013R07-EN.pdf - Road accident investigation guidelines for road engineers	123
21856,Revue-Routes-Roads-Magazine-363-World-Road-Association-Mondiale-de-la-Route.pdf	118
19456,2013R08-EN.pdf - Maintenance methods and strategies	97
21648,National-Committees-PIARC-Newsletter-37-June-2014-World-Road-Association.pdf	93
21151,2013R13-EN.pdf - Impacts of changes in winter severity on winter maintenance	91
19692,2013R10-EN.pdf - Quiet pavement technologies	87
21589,First-Announcement-International-Seminar-Long-Span-bridges-World-Road-Association-Mondiale-de-la-Route.pdf	85
20941,TM2014R01-EN.pdf	82
18179,SP-2012-2015.pdf – Strategic Plan 2012-2015	78
21900,India-International-seminar_1st-announcement-World-Road-Association-Mondiale-de-la-Route.pdf	76
18718,2012R27-EN-Road-Safety-World-Road-Association.pdf	72
6941,WEB-2011R02.pdf - Road tunnels: operational strategies for emergency ventilation	72
21377,World-Road-Congress-Seoul-2015-1st-Circular-World-Road-Association.pdf	65

21647,Comités-Nationaux-AIPCR-Newsletter-37-Juin-2014-Association-Mondiale-de-la-Route.pdf	59
5431,05-16-bilingue0207.pdf - Systèmes et équipements pour la maîtrise des incendies et des fumées dans les tunnels routiers	59
8536,QRAM-OrderForm-2012.doc	58
19673,2013R09-EN.pdf - Monitoring of innovation in road pavements	54
20324,2013R12EN-Managing-Operational-Risks-Road-Operations-World-Road-Association.pdf	53
19088,2013R01-EN.pdf - Best practices for the sustainable maintenance of rural roads in developing countries	52
5891,2008R04WEB.pdf - Tunnels routiers : guide pour l'optimisation de l'impact sur la qualité de l'air dans l'environnement	52
Total documents downloaded	10 266

2.7 Publications

2.7.1 Reports

The General Secretariat has carried out further the production of technical reports from the 2008-2011 cycle.

Since the 2013 meeting in Rome, 3 technical reports and the report on the Importance of Road Maintenance have been released and made available online in the website (see Annex 3).

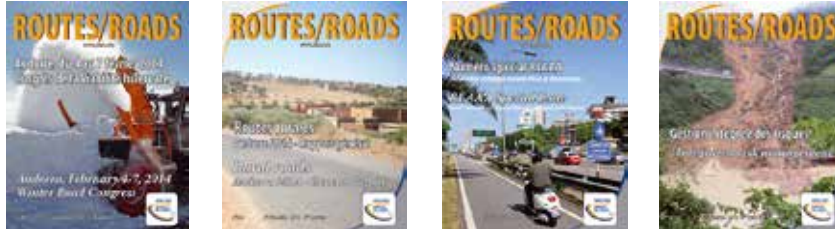
Four reports are currently being finalized within the related Technical Committees.

In addition, 10 technical reports translated into Spanish are now available online; 5 are to be proofread before the layout phase (see Annex 3).

The detailed list of those technical reports is included in Annex 3 of this report.

The latest reports released are announced in Routes/Roads and in the electronic newsletter.

2.7.2 Routes/Roads magazine



Routes/Roads is the quarterly magazine of the Association, published in English and French, with a circulation of 5,200 copies and disseminated in 142 countries. The last four issues focused on:

- the XIVth International Winter Road Congress in Andorra (n° 361, January 2014);
- Rural Roads with contributions from TC 2.5 and General Report of the Andorra Congress (n°362, April 2014);
- Road Safety in REAAA Countries (n°363, July 2014);
- Risk Management, with contributions from TC 1.5 (n°364, October 2014).

The editorial programme has been set with the Editorial Committee. Several modifications were introduced following spontaneous proposals from several Technical Committees to contribute feature articles on specific topics.

Lastly, a new tool was developed for Routes/Roads, designed to increase the audience of the Association and provide a new benefit to members and subscribers. Routes/Roads is now also available in digital version, “e-Routes/Roads”, at <http://routesroadsmag.piarc.org/>. It contains almost all sections of the printed version: the editorial, feature articles, Road History, Young Professional, and National Committee Forum. This digital version of Routes/Roads can be read on all types of electronic devices: PC, laptop, tablet or smartphone, providing more interactivity with readers who can make comments on the articles.



2.8 Projects

The **Road Safety Manual Project** is in phase 3 of the contract with ARRB Group (Australia) related to the drafting of the various chapters. The first six chapters included in the first two parts of the Manual: 1) Strategic Global Perspective and 2) Road Safety Management, were revised after a detailed review by Task Force 1 on Road Safety Manual (TF1). A preliminary version of the six chapters included in the last part of the Manual, i.e. 3) Safe Planning, Design, Operation and Use of the Road Network, was reviewed by TF1 and discussed with ARRB at the mid-term meeting in Vienna. The full version in English should be delivered in the course of the second half of 2014.

It should be pointed out that this project is conducted with the active participation in TF1 of the World Bank, OECD, WHO and the African Development Bank.

Parallel to the drafting work, the General Secretariat is working in connection with TF1 to develop the specifications for the production of the Manual as web-based pages.

The project to update the **Road Network Operations and ITS electronic Manual**, with the participation of ITS America, is going on actively with TC 2.1. The detailed architecture of the Manual and the technical specifications for the web were finalized in 2013.

For these two electronic manuals, plus others which are planned, and following a call for tenders, the General Secretariat selected in November 2013 a website developer to design the websites for these manuals.

The software developments for the Road Network Operations and ITS Manual were delivered in August 2014, according to the contract timeline. The first modules with contents finalized by the Editorial Group have been integrated. A first presentation of the Manual was made on the occasion of the ITS World Road Congress in Detroit (USA) in October 2014.

Regarding the **Special projects**, in particular the **“Importance of Road Maintenance”** project, the report (PIARC ref.: 2014R02EN), whose drafting had been entrusted to TRL (United Kingdom), has been finalized by the project team. This document was released early October 2014 in English, French and Spanish, in the Virtual Library of the PIARC website.

A call for proposals for a second special project was launched in spring 2014, entitled **“Climate Change Adaptation Framework”**. The consultants were selected in August 2014. Delivery date is end February 2015.

A workshop was organized in March 2014 in Washington DC by the General Secretariat of the World Bank, on the current applications and the development prospects of the **HDM-4** software platform to investigate road investment and maintenance strategies. The workshop was attended by HDMGlobal consortium (the concessionaire), representatives of different departments of the World Bank, and representatives of regional development banks. The workshop enabled to reach consensus on actions that could be led in the short and medium term. Modalities for organization are under discussion. In addition, the General Secretariat has ensured ongoing follow-up of the service concession contract. Extension of the contract beyond 2015 will be submitted to the Council meeting in Santiago.



2.9 Cooperation with other associations/organizations

Promoting cooperation with regional road administrations and with international organizations having similar objectives is one of the goals of the Association's Strategic Plan.

The past year was marked by several actions that contribute to this goal:

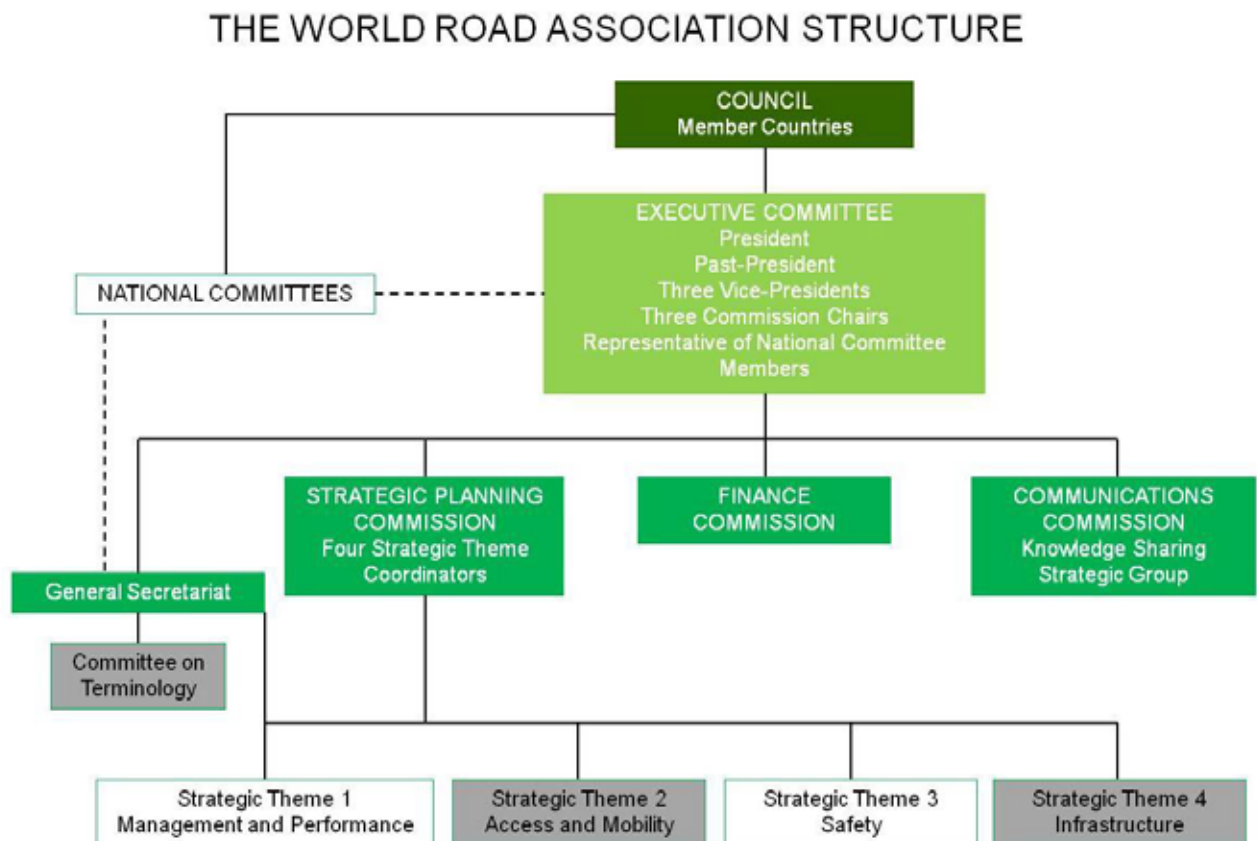
- participation of the Association in the meeting of the United Nations Road Safety Collaboration held in New York;
- participation of the President, of the Secretary General and of Technical Committee members in the IRF World Conference in November 2013 in Riyadh;
- participation of the President and the General Secretariat in the 28th meeting of the Council of Iberian and Ibero-American Road Directors (DIRCAIBEA);
- participation of the General Secretariat in the meetings of the Conference of European Directors of Roads (CEDR), among others with a view to harmonizing the strategic plan of both organizations;
- participation of the General Secretariat in the REAAA Conference in Bali (Indonesia), including the joint organization of an *International Seminar on Sustainable Roads and Green Technology*; release of issue n°363 of *Routes/Roads (July 2014)* devoted to Road Safety in REAAA countries;
- workshops with the World Bank in March 2014 in Washington DC on HDM-4 development prospects;
- meetings with the Inter-American Development Bank (President, Secretary General) in view of the next Strategic Plan;
- at the TRA Congress in Paris-La Défense (April 2014), CEDR hosted PIARC in its pavilion mainly to promote the Seoul 2015 World Congress and disseminate the call for papers which had just been launched ;
- participation of the Secretary General in the Transport Forum of the Asian Development Bank in Manila (Philippines) in September 2014.

Annex 1. The Association in 2014

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.



Governing bodies

The **Council** is the highest governing body responsible for the Association. At its meeting held on 6 and 7 November 2013 in Rome (Italy), 132 delegates, representing 62 member countries were present.

As at 1st October 2014, the **Executive Committee** comprises the following membership:

- President: Oscar De BUEN (Mexico)
- Past President: Anne-Marie LECLERC (Canada-Québec)
- Vice-Presidents: Menno HENNEVELD (Australia), Friedrich ZOTTER (Austria), Tchona IDOSSOU (Burkina Faso)
- Members: Valentin ANTON (Romania), Fausto BARAJAS (Mexico), Roy BRANNEN (United Kingdom), Ping CHENG (People's Rep. of China), Cheick Oumar DIALLO (Mali), Rudolf DIETERLE (Switzerland), Terje Moe GUSTAVSEN (Norway/NRA), Joseph HAULE (Tanzania), Abdul Karim JUDIN (Malaysia), Shigeru KIKUKAWA (Japan), Nak-Joo KIM (Republic of Korea), Josef KUNZ (Germany) until 1st October 2014, Lungile MADLALA (South Africa), José Miguel ORTEGA (Chile), Jeffrey PANIATI (USA), Maria Carmen PICON (Spain), Christophe SAINTILLAN (France), Miguel Angel SALVIA (Argentina), Massimo SCHINTU (Italy), Skirmantas SKRINSKAS (Lithuania/BRA), Milton Rodrigo TORRES (Ecuador), Jane WELDON (Canada) and Bojan LEBEN (Slovenia), representative of the Conference of National Committees,
- Secretary General: Jean-François CORTÉ (France).

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

- Strategic Planning Commission, chaired by Jeffrey PANIATI (USA),
- Finance Commission, chaired by Rudolf DIETERLE (Switzerland),
- Communications Commission, chaired by Jane WELDON (Canada).

Members

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

As at 1st October 2014, ***the Association's member countries include 120 national member governments***, from around the world. Approximately two thirds of the member countries are developing countries or countries in transition. In addition, there are approximately 2,000 other members (about half of which are individual members) from more than 140 countries.

PIARC National Member Governments (as at 1st October 2014)

ALGERIA	CROATIA	LATVIA	RUSSIA
ANDORRA	CUBA	LITHUANIA	SALVADOR)
ANGOLA	CYPRUS	LUXEMBOURG	SAUDI ARABIA
ARGENTINA	CZECH Rep.	MADAGASCAR	SENEGAL
AUSTRALIA	DENMARK	MALAYSIA	SINGAPORE
AUSTRIA	DOMINICAN	MALI	SLOVAK REPUBLIC
AZERBAIJAN	Rep.	MALTA	SLOVENIA
BAHRAIN	ECUADOR	MAURITANIA	SOUTH AFRICA
BANGLADESH	EGYPT	MAURITIUS	SPAIN
BELGIUM	ESTONIA	MEXICO	SRI LANKA
BENIN	FINLAND	MOLDAVIA	SWAZILAND
BHUTAN	FRANCE	MONACO	SWEDEN
BOLIVIA	GABON	MONGOLIA	SWITZERLAND
BRAZIL	GERMANY	MOROCCO	SYRIA
BULGARIA	GHANA	NAMIBIA	TANZANIA
BURKINA FASO	GREECE	NEPAL	THAILAND
BURUNDI	GUATEMALA	THE NETHERLANDS	TOGO
CAMBODIA	GUINEA	NEW ZEALAND	TONGA
CAMEROON	HONDURAS	NICARAGUA	TUNISIA
CANADA	HUNGARY	NIGER	TURKEY
CANADA-QUEBEC	ICELAND	NORWAY	UGANDA
CAPE VERDE	INDIA	PAKISTAN	UKRAINE
CHAD	INDONESIA	PANAMA	UNITED KINGDOM
CHILE	IRAN	PAPUA NEW GUINEA	UNITED STATES
CHINA (PEOP. REP.)	IRELAND	PARAGUAY	URUGUAY
COLOMBIA	ISRAEL	PERU	UZBEKISTAN
CONGO (REP.)	ITALY	PHILIPPINES	VENEZUELA
CONGO (DEM REP)	JAPAN	POLAND	VIET NAM
COSTA RICA	KENYA	PORTUGAL	YEMEN
CÔTE D'IVOIRE	KOREA (Rep.)	ROMANIA	ZIMBABWE
	KUWAIT		

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.

With the approval by the Executive Committee meeting in Santiago (Chile) in October 2014, of the establishment of the Malaysian National Committee, the Association has in total **38 National Committees** or organizations recognized as acting as a National Committee.

National Committees

Algeria	Canada	India	Portugal
Argentina	Canada-Quebec	Ireland	Romania
Austroroads (<i>Australia,</i>	Chile	Italy	Senegal
<i>New Zealand</i>)	Congo (Rep.)	Japan	Slovak Republic
Austria	Czech Republic	Korea (Rep.)	Slovenia
Belgium	Ecuador	Madagascar	Spain
Benin	France	Malaysia	Switzerland
Burkina Faso	Germany	Mali	United Kingdom
Cameroon	Greece	Mexico	United States
	Hungary	Morocco	Uruguay

General Secretariat

As at 1st October 2014, the PIARC General Secretariat includes:

- a Secretary General, Jean-François CORTE and a Deputy Secretary General, Robin SEBILLE, seconded by France;
- four Technical Advisers seconded from Spain, Japan, the Nordic Road Association (NVF), and the Republic of Korea, for various durations;
- seven permanent staff who are remunerated by PIARC: Véronique ANSELIN, Alain CHARLES, Cécile JEANNE, Céline LE GRACIET, Marie PASTOL, Hanitra RABETALIANA, Nathalie SABBAH.

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

- Jun Sik KO, seconded by South Korea, has been at the General Secretariat since January 2012;
- Lina Sofia ENGSTRÖM (Sweden) (picture) has replaced Nina AMBRO KNUTSEN (Norway) on 1st September 2014 (seconded by the Nordic Road Association, NVF);
- Tomonobu TANINO is seconded by Japan since October 2012;
- Miguel CASO FLOREZ (Spain) has been at the General Secretariat since September 2005.



Annex 2. Strategic Plan 2012-2015

At its meeting in Mexico City in September 2011, the Council approved the Strategic Plan 2012-2015. 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 Congress and from suggestions by the Technical Committees. The final version was approved by the Council at its 2012 meeting in Lucerne.

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

Strategic Themes for the 2012-2015 period

Strategic Theme 1 - Management and performance	
Goal	Encourage the development of transport policies and strategies that result in transport administrations that perform well and that are funded sustainably. Provide exemplars of good governance and transport administrations that fund their activities in an appropriate manner, that incorporate best practice in respect of climate change mitigation and adaptation, and the management of associated and other forms of risk.
Coordinator	<i>Friedrich ZOTTER (Austria)</i>
Strategic Theme 2 - Access and Mobility	
Goal	Encourage the improvement of access and mobility provided to the community and industry by improved road network operation and integration with other transport modes.
Coordinator	<i>Hirofumi ONISHI (Japan)</i>
Strategic Theme 3 - Safety	
Goal	Improve the safety and efficiency of road transport, including the movement of people and goods on the network, while effectively and widely promulgating knowledge of all aspects of road safety and encouraging effective implementation.
Coordinator	<i>Jeffrey PANIATI (United States)</i>
Strategic Theme 4 - Infrastructure	
Goal	Improve the quality and efficiency of road infrastructure through the effective management of assets in accordance with user expectations and government requirements while adapting to climate change and changing energy scenarios and policies.
Coordinator	<i>Vicente VILANOVA (Spain) since November 2013</i>

The list of the 17 PIARC Technical Committees, with the name of Chairs and English, French and Spanish-speaking Secretaries is included in the following page. The seventeen 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 2012-2015 – LIST OF CHAIRS AND SECRETARIES (AS AT OCTOBER 2014)

	Chair		English-speaking Secretary		French-speaking Secretary		Spanish speaking Secretary	
C1.1 Performance of Transport Administrations	Brendan NUGENT	Australia	Connie YEW	United States	André BERNARD	France	Alberto DE BENITO	Spain
C 1.2 Financing	Gerardo GAVILANES	Spain			Anne PLUVINAGE	France	Gonzalo ORTIZ	Spain
C 1.3 Climate Change and Sustainability	Simon PRICE	UK			Christine DENEUVILLERS	France	Juan Fernando MENDOZA	Mexico
C 1.4 Road Transport System Economics and Social Development	Karl-Josef HÖHNSCHEID	Germany	Fred AMONYA	UK	Renée OKALA	Cameroon	Guillermo TORRES VARGAS	Mexico
C 1.5 Risk Management	Keiichi TAMURA	Japan	Yukio ADACHI	Japan	Robert LORANGER	Canada-Québec	Pedro TOMAS MARTINEZ	Spain
C 2.1 Road Network Operations	Jacques EHRLICH	France	Richard J. HARRIS	UK	Alexis BACELAR	France	Daniel RUSSOMANNO	Argentina
C 2.2 Improved Mobility in Urban Areas	André BROTO	France	Harlan MILLER	USA	François RAMBAUD	France	Ricardo ARREDONDO	Mexico
C 2.3 Freight Transport	Don HOGBEN	Australia	Brian R. BARBER	New Zealand	Bernard JACOB	France	Carlos SANTILLAN	Mexico
C2.4 Winter Service	Didier GILOPPE	France	Richard J. NELSON	United States			José Carlos VALDECANTOS	Spain
C 2.5 Rural Road Systems and Accessibility to Rural Areas	Roberto SANDOVAL	Bolivia	Dumisani NKABINDE	South Africa	Paola VILLANI	Italy	Alfonso BALBUENA	Mexico

C 3.1 National Road Safety Policies and Programs	Matts-Ake BELIN	Sweden	Robert HULL	United States	Annie CANEL	France	Jesus LEAL	Spain
TF1 Road Safety Manual	Mike GRIFFITH	USA						
TF2 Security	Roberto ARDITI	Italy						
C 3.2 Design and Operations of Safer Road Infrastructure	Mike GREENHALGH	UK	Brendan MARSH	Australia	Lise FOURNIER	Canada-Québec	Roberto LLAMAS	Spain
C 3.3 Road Tunnel Operations	Ignacio DEL REY LLORENTE	Spain	Fathi TARADA	UK	Marc TESSON	France	Juan MARCET	Argentina
C 4.1 Management of Road Assets	Thomas LINDER	Germany	Gerardo FLINTSCH	United States	Philippe LEPERT	France	Ricardo SOLORIO	Mexico
C 4.2 Road Pavements	Seung-Hwan HAN	South Korea	Ferdinand VAN STADEN	South Africa	Benoit PETITCLERC	Canada-Québec	José DEL CERRO	Spain
C 4.3 Road Bridges	Satoshi KASHIMA	Japan	Dimitrios KONSTANTINIDIS	Greece	Louis-Marie BÉLANGER	Canada-Québec	Pablo DIAZ	Spain
C 4.4 Earthworks and Unpaved Roads	Paul GARNICA	Mexico	Andrew BOSCO	Australia	Thierry DUBREUCQ	France	Aurea PERUCHO	Spain
Terminology	Daniel VERFAILLIE	Belgium			Robin SEBILLE	France	Cristina HIGUERA	Spain

Annex 3. Publications of the World Road Association

Technical Reports on line since October 2013

Alternative Solutions for Fossil Fuels for the Road System

PIARC ref.: 2014R01EN

Impacts of Changes in Winter Severity on Road Maintenance

PIARC ref.: 2013R13EN

Risks Associated with Natural Disasters, Climate Change, Man-made Disasters and Security Threats

PIARC ref.: 2013R12EN



Technical reports translated into Spanish on line since October 2013



Reducción del tiempo y costes de construcción de los pavimentos de carretera

Ref. AIPCR: 2012R09ES



Recomendaciones para la gestión del mantenimiento y las inspecciones técnicas de los túneles de carretera

Ref. AIPCR: 2012R12ES



Consideraciones sobre el ciclo de vida de los equipamientos eléctricos de túneles de carretera

Ref. AIPCR: 2012R14ES

Gobernanza del sector público sobre el transporte urbano de carga

Ref. AIPCR: 2012R15ES

Guía para la implementación de la gestión del transporte de carga

Ref. AIPCR: 2012R16ES

Asignación de Recursos entre Clases de Activos

Ref. AIPCR: 2012R21ES

Indicadores de Gestión de Alto Nivel

Ref. AIPCR: 2012R22ES

Buenas prácticas para los ejercicios de emergencia en túneles de carretera

Ref. AIPCR: 2012R25ES



Factores humanos y seguridad de los túneles de carretera desde el punto de vista de los usuarios

Ref. AIPCR: 2008R17ES

Diseño de la sección transversal de túneles de carretera bidireccionales

Ref. AIPCR: 05.12.BES

