



## Editorial

**Saverio Palchetti**

Representative of PIARC World Road Association National Committees

### THE MEETING IN CAMPECHE, MEXICO: THREE PRIORITIES FOR THE NATIONAL COMMITTEES

First of all I will summarize what has happened so far and then will briefly outline the conclusions of the meeting in Campeche.

During the Association's statutory meetings held in Campeche-Mexico last April 22-26, I presented to the Executive Committee an update of the activity carried out since the last meetings held in Bonn in October 2017. Among other things, I reiterated my proposal to foresee in the agenda of the next World Congress a session dedicated to developing countries.

On April 27, thanks to the enthusiastic hospitality of the Mexican NC President, **Hector OVALLE**, the first informal meeting of the NCs was held with the participation of **Friedrich ZOTTER** (Austria), **Haydée LORDI** (Argentina) and **Andrew BOYLE** (United Kingdom) (see foto below). The meeting was considered informal since the official meeting is held during the PIARC annual autumn Council. My thank you goes to all for their availability since each brought an update of their NC's activities. We also benefitted from the pleasant speech with a contribution of experiences and ideas of the PIARC President **Claude VAN ROOTEN** (also President of the Belgian NC). The attendees on behalf of the Mexicans were **Veronica ARIAS** of the Mexican NC and **Sara ZETUNE** of Currie & Brown consulting firm which is collaborating in the new Strategic Plan. Following my request, they provided us an anticipation of the analysis carried out in 2017 on the PIARC National Committees regarding the internal organization of the NCs and their activities carried out as best practices. The survey is still underway and we will have the conclusions in the next meetings in Yokohama (Japan). In this regard I wish to inform you that as of June 2018 the Association has reached 42 NCs with the recent addition of Tanzania.



Participants at the informal meeting of NCs in Campeche (Mexico)

This concludes the news update and will continue with the ideas developed in Campeche, useful for the next meeting in Yokohama. Three related problem-areas have emerged which we need to work on in the following months.

1. Participation of PIARC NCs
2. NCs in developing countries
3. New Strategic Plan 2020-2023

### **First issue: Participation of PIARC NCs**

What is the NCs' universe? Given that the minimum level of a NC is that it can be created based on the statute approved by the General Secretariat and that a First Delegate (contact person of the Association) be nominated by the competent Ministry, three categories of NCs can be recognized based on their level of organization :

**First category:** well structured NCs with strong motivation and (beside the First Delegate) with a President, Secretary General, Treasurer, internal regulation, a mechanism of self-financing through membership fees and national activities (mirror technical committees or not, seminars, training, publications, etc.). In some cases the NC is identified by the road engineering association.

**Second category:** The NCs which are not structured but cooperative, where only the First Delegate is active (maybe also President) without a supporting organization and secretariat, without technical committees but with a few experts that participate at an international level for the appointment of the First Delegate.

**Third category:** Non-structured and non-cooperative NCs that do not carry out national activities, do not have technical committees, were constituted and then dissolved when the contact person or founder for various reasons backed out.

The low participation in the preparation of the NCs bulletin demonstrates that only a small number of NCs are active and are part of the above first category. These are the figures: about two thirds of NCs have gotten lost along the "road" and don't collaborate or rarely send a representative to the annual PIARC Council meetings. In my opinion, it is important to try and recuperate the non-cooperative NCs. In these cases, after having obtained the "precise result", that is, the creation of a NC, the result needs to be accompanied by recommendations and suggestions to the person concerned and take advantage of the lessons learned from experiences of other NCs. This could be done both with the drafting of guidelines for the future activities of a NC (not only in the creation of a NC as is now) and assisting the NCs in regional meetings as I have done in Casablanca-Morocco last March (see previous Bulletin). It is demanding work (since it needs to be followed through) and in some cases contact needs to be made with the Ministries, as in the case of the organization of the meeting of the French speaking African countries. Even the informal meetings with a lower participation like in Campeche are important.

**The aim of the Association is to develop know-how through the voluntary contributions of the NCs using a global approach. Once such principle is set out two correlated aspects emerge in NCs: the time factor (going fully operational) or the transitory factor (for growing) that need to be followed. If we can do all of these things, I believe that a useful result will be achieved.**

### **Second issue: New Strategic Plan 2020-2023**

The PIARC Commission for the Strategic Plan created last year in Bonn a specific Working Group for defining new strategic themes and new Technical Committees/Task Forces. The undersigned participates as the NCs representative. The results of this activity will be presented at the next session of the PIARC meetings next October in Yokohama. In this occasion during the plenary session of the PIARC Council the new plan 2019-2023 should be approved. Following this event and within this year calls will be made for nominations of Presidents and Secretaries of the new Technical Committees/Task Forces that will be elected in the PIARC spring session in Argentina. The aim is to consent right after the World Congress the start of the technical activities and the transfer from old to new Presidents with 6 to 9 months in advance with respect to the previous cycles.

To be remembered that in 2014, to the request for the Strategic Plan 2016-2019 18 First Delegates and only 6 NCs answered. It should be taken into account that there exists a physiological level of participation. Is this a contradiction of a "physiological pathology"? Let's see how it goes this year. In any case, while I'm writing, I'm ready to send to all NCs a communication to solicit your contributions to the editing of the new Strategic Plan.

**Our activity requires vision skills for future scenarios and also a bit of courage. As we have seen, even if participation is physiologically low, the Association has decided on the strategic themes of the current cycle 2016-2019 also by launching issues that have anticipated the events (ex. my topic of security). This means that we must however broaden the participation of the NCs to PIARC activities.**

### **Third issue : Developing countries**

This issue is connected to the first and has consequences on the second. There are various aspects: the importance of regional and local factors. We must remember that we are in a "glo-cal" era. That is, themes that are of interest to the world but which are needed to be treated on a local level. It is essential to have knowledge of the global benchmarks in every technical area and have a state of the art. At the same time, a focus on the specific applications in relation to the territory is needed.

NCs represent both small and large countries, developed and developing countries. NCs need equal opportunities in order to give all Countries the ability and freedom to participate and pursue their objectives: to spread the best practices being developed and tested in other Countries. This means giving more attention to the needs and priorities of those Countries that see the advanced world very far from themselves in know-how and technology. The approach of the Association should therefore seek a balance between the needs and aspirations

of both the developed and developing countries so that all obtain value from their involvement as this will spur them on to deeper and more effective activity within the work of PIARC.

In Africa, but also in Asia, and America an impetuous process in emigration from impoverished rural areas to cities is underway, without proper planning, with serious infrastructural deficiencies and with very negative repercussions on living conditions. They have explosive situations in the megalopolis. Downsides of development and globality require governance, also to help those so far left behind. The increasing complexity of the issues related to the world of road infrastructure and transport, can become an opportunity if it leads to virtuous conceptual interdependencies and then to a major solidarity. **Therefore a more inclusive approach is urgent as well as special care for the NCs who have problems: improving the strongest and helping the weakest. Active could help less active.**

### **Conclusions**

The meeting in Campeche was worth it. There was a common interest and indications were produced that make us understand that we can capitalize from the experiences of NCs. In this regard, I send a grateful thank you to Andrew who has left the UK NC Presidency and was a stimulating adversary in the Cape Town elections. I give him credit and acknowledge his precious advice after my election, his linguistic corrections and his proposals left as inheritance to the Association. Thank you for everything Andrew and let's keep in contact!

To the question if PIARC is a privileged and principle place where various world actors can exchange ideas and discuss road themes, my answer is certainly "yes". To share knowledge, at times we speak of "if" (and discuss if something should or should not be done or if useful or not) and at times we speak of "how". Once decided that something should be done and is useful (for example based on experience of others NCs), this means that the theme can be of global, regional or local interest. When discussing "how", the standards, the guidelines, the expectations and the benchmarking are important. Therefore, the issue of enhancing the regional and local aspect and dedicating special care to the NCs who have problems with the strong helping the weaker. The more active could be encouraged by PIARC to help the less active (as in the "Matisse dancers"). In Yokohama we will have a one day official meeting (now moved to Friday, October 26th all day) dedicated to National Committees. Informal meetings, such as the one in Campeche, are in any case very important. We were not many in Campeche but had a very fruitful discussion. The length of this editorial witnesses the richness of the debate, never trivial. **Thanks again to everyone, I find it encouraging and will certainly go forward in the work we have begun. Are we ready now to take a qualitative leap into the new cycle 2020-2023? With your help I would like to develop improved and innovative working proposals, among which propose technical issues able to attract an increased participation on behalf of NCs and also to foresee in the agenda of the next world congress a session special dedicated to developing countries.**

**Saverio Palchetti**

**Representative of PIARC World Road Association National Committees**



## ARGENTINA

The Argentine National Committee (AIPCR\_ PIARC) carried out during the months of (February, March and April 2018) the following public activities:

### 1.- SEMINAR "RURAL ROADS, RURAL TRANSPORT AND CLIMATE CHANGE"



**Organization of the Seminar "Rural Roads, rural transport and climate change" to be held on May 16 and 17, 2018 in the Palacio de las Aguas Corrientes of the Autonomous City of Buenos Aires.**

The Argentine Roads Association, under the auspices of the Ministry of Transportation of the Nation, organizes this event with the intention of evaluating how aspects such as climate change, education, health, agribusiness and agriculture affect the development of rural roads, transportation, among others. For the necessary improvements that assure permanent accessibility to the inhabitants of the most isolated areas of the urban centers, the participation of national, provincial and municipal authorities is required, in a framework of coordination, joint actions and consensus for decision-making. With these objectives, during the 2 days it will be discussed about best practices, conservation, construction techniques, management systems rural road projects, economic benefits, financing, environment and climate change among other issues. For this the Argentine Roads Association, calls the authorities of all government, professional, technical and society as a whole to this meeting to express from each field the opinions that could contribute to the achievement of innovative solutions that the subject requires. In addition, the Seminar will be complemented by the dissertation of international specialists, to bring another view at this problem.

In the seminar it will be presented the "**Manual of Rural Roads**", made by the AAC Rural Roads Commission, with the aim of generating a useful tool for those responsible for the management and maintenance of dirt roads. The AAC Rural Roads Commission developed this Manual where you can find several topics ranging from the basic fundamentals of hydrology, hydraulics and drainage, to a methodological guide and tools for the management of rural road networks, through classification and soil stabilization, geometric design concepts, planning aspects of a road network and conservation tasks.

**Manual of Rural Roads  
Rural Roads Commission  
Argentine Roads Association**



[http://www.aacarreteras.org.ar/publicaciones/publicaciones\\_manuales](http://www.aacarreteras.org.ar/publicaciones/publicaciones_manuales)

The content of the "**Rural Roads Maintenance Guide**", developed by the technical team of the Transportation Planning Secretariat of the Ministry of Transportation of the Nation, will also be developed.

The objective of this guide is to provide an orientation tool for the preparation of periodic maintenance plans for dirt roads. It does not replace the commonly used road manuals and regulations, but gives suggestions for the application of work methods, performance and organizational forms.

**Rural Roads Maintenance Guide**  
**Transportation Planning Secretariat**  
**Ministry of Transportation of the Nation**



<http://www.caminosrurales.cf/guia-de-mantenimiento>

**2.- ONLINE SEMINAR "UNMANNED AERIAL SYSTEMS (UAS) AND HIGHWAYS - AN INTERNATIONAL PERSPECTIVE"**



The Argentine Roads Association participated on April 16, 2018, in the **online seminar "Unmanned Aerial Systems (UAS) and Highways - An International Perspective"** organized by PIARC and FHWA.

<https://www.piarc.org/es/2018-05-31,Vea-webinar-drones-2018-PIARC-2018.htm>

**3.- ANNUAL MEETING OF THE BOARDS OF GOVERNORS OF THE IDB AND IIC - MENDOZA ARGENTINA**



**Miguel Ángel Salvia, Director of International Relations of the Argentine Roads Association, attended the Annual Meeting of 2018 of the Boards of Governors of the IDB and the IIC, which was held in Mendoza, Argentina, from March 22 to 25.**

In his opening speech to the Boards of Governors, whose members are finance ministers, central bankers and other high-ranking officials from the **IDB and IDB Invest** member countries, **President Luis Alberto Moreno** called for a sustained effort to close the region's infrastructure gap.

In his remarks to the gathering, **Argentine President Mauricio Macri** commended the IDB for its work in promoting infrastructure as an engine for development. "***We know that, without physical and virtual connectivity, we will lack a fundamental tool to succeed in the quest for competitiveness,***" he said.

The IDB formalized several operations totaling \$1 billion with Argentina, including loans for expanding a corridor connecting the province of Mendoza with Chile and a \$500 million program of partial credit and political risk guarantees to promote public-private partnerships in infrastructure projects.

In addition, the IDB launched its latest **Sustainability Report**, highlighting that the Bank and IDB Invest had approved more than \$4.3 billion in operations related to climate change mitigation and adaptation, representing 28% of project approvals by volume for the year.

Demand Solutions, an event that ties innovation to development, held debates on urban mobility, resilience to climate change, the future of work and creative cities before an audience of more than 1900 people.

**IDB Group wrapped up the annual meeting of their Boards of Governors, calling for an ambitious growth agenda for Latin America and the Caribbean focused on boosting infrastructure investments and productivity.**

The next annual meeting of the Boards of Governors of the IDB and IDB Invest will be held in March 2019 in Chengdu, China.

<https://events.iadb.org/calendar/event/12899?lang=es>

#### 4.- WEBINAR " ADDRESSING ROAD SAFETY WORLDWIDE: VULNERABLE USERS, HUMAN FACTORS AND ROAD SAFETY FOR LOW- AND MIDDLE-INCOME COUNTRIES"



The Argentine Roads Association participated on April 9, 2018, in the **online seminar “Addressing Road Safety Worldwide: Vulnerable Road Users, Human Factors, and Road Safety for Low- and Middle-Income Countries”**, organized by the World Road Association (PIARC) and TRB Standing Committees on Highway Safety Performance and Transportation Safety Management.

<https://www.piarc.org/en/2018-03-13,PIARC-TRB-organize-free-webinar-Road-Safety.htm>

#### 5.- TRAFFIC SAFETY DAY



During the months of March and April the organization of the **Traffic Safety Day** event was held, which year after year the Argentine Roads Association commemorates. In this opportunity, specialists of official and private organisms will expose on the importance of this subject in our country. The same will take place on June 11, in the Golden Hall of the Porteño Legislature -CABA.

<http://aacarreteras.org.ar/newsletters/2018/news30-05/DIA-SEGURIDAD-TRANSITO-Programa-2018.pdf>

## AUSTRIA



From April 16-19 2018 Europe's biggest Transport Research Conference, the Transport Research Arena, took place in Vienna. Under the motto "a digital era for transport: "solutions for society, economy and environment" about 3.000 international experts discussed about the latest research results and future developments in mobility and transport.

At this occasion three Technical Committees of the World Road Association met and held their spring meetings in view of the upcoming World Road Congress in autumn 2019:

- TC B.3 Sustainable Mobility in Urban Areas
- TC B.4 Freight
- TC E.1 Adaption Strategies and Resiliency

The Austrian Ministry for Transport, Innovation and Technology provided patronage by hosting two of the meetings on its premises and the Austrian National Committee of the World Road Association supported the meetings and sponsored several social side events.

Technical Visits to the ASFINAG Traffic Management Centre (ASFINAG is responsible for the entire motorway network in Austria), Smart Urban Logistic Solutions at Thinkport Vienna, the Intermodal Terminal at the Port of Vienna, the completely new urban district "Seaside Aspern" and environment protection measures along the S1 motorway near Vienna have been organised.

Attendance and progress towards finishing the work program was reported to be significant. Several attendees took the opportunity to participate in the TRA following the Technical Committee meeting.



Members of Technical Committee B4 – Freight



Members of E 1 inspecting an underpass for amphibian animals

## CANADA-QUEBEC



**Québec had a strong presence at PIARC XV<sup>th</sup> International Winter Road Congress in Gdansk, Poland**

Among the 139 presentations at the Congress, the two speakers from the ministère des Transports, de la Mobilité durable et de l'Électrification des transports du Québec, **Lise Fournier and Émilie Godbout**, were invited to present four communications about the safety of road users, winter maintenance management and planning, as well as tunnels and bridges.



Émilie Godbout, engineer



Lise Fournier, engineer



The theme “*Road users and road safety*”, which included a dozen presentations, was divided in sub-themes that concerned the characteristics of traffic flow in winter conditions, worksite safety, road user information, behaviour of road users, and safety measures and their impacts on traffic in winter. It is worth emphasizing **Émilie Godbout**’s presentation on winter road condition information provided in real time to road users. This practice is considered a factor in safety improvement in Québec. Under the same theme, the “*Safety measures and their impacts on traffic in winter*” session, which was co-chaired by **Anne-Marie Leclerc**, First Delegate of Canada-Québec and PIARC Honorary President, and Kazimierz Jamroz of Poland, included three presentations about technological methods and practices implemented in three road administrations to improve safety and mobility in winter. One of the presentations, which was given by **Lise Fournier**, concerned the assessment of the obligation to equip vehicles with winter tires in Québec 10 years after this measure took effect. It was explained that this measure contributed to decreasing deaths and serious injuries by 45% during the period of the year when winter tires are mandatory.

**Émilie Godbout** also distinguished herself during a presentation on spreading charts, which are recognized as a new tool designed to support the decision-making process and optimize the use of de-icing agents to limit impacts on the environment. This presentation was part of the “*Winter maintenance management and planning*” theme. A second presentation, which concerned warning systems and slippery pavement de-icing systems on bridges related to the Ministère’s projects on rivièrè Famine and rivièrè Gilbert bridges, was presented under the “*Tunnels and bridges*” theme. These projects focus on a slippery pavement detection system linked to two traffic signs with flashing lights that turn on when the bridge pavement becomes slippery. This system warns users so that they can adapt their driving, and communicates with a sprinkler system that sprays a de-icing agent to prevent the formation of black ice.

Also, **Anne-Marie Leclerc**, First Delegate of Canada-Québec and PIARC Honorary President, took part in the Road Administrations session that followed the Ministers’ session. As the Assistant Deputy Minister for Engineering and Infrastructures of the ministère des Transports, de la Mobilité durable et de l’Électrification des transports, in Québec, Anne-Marie Leclerc explained Québec’s orientations and the concrete actions taken to assure a safe and efficient winter service for road users and ensure the winter maintenance in a context of sustainable development and climate change.



Anne-Marie Leclerc, First Delegate of Canada-Québec and PIARC Honorary President

The Québec government was the host of the XIII<sup>th</sup> International Winter Road Congress in 2010, in the city of Québec, where more than 1500 representatives from 44 countries participated in the event. For the occasion, Québec organized the first International Snowplow Competition and the first winter city mayors’ session. The next International Winter Road Congress will be hosted by our Canadian colleagues from Calgary, in 2022.

### **18<sup>th</sup> AIPCR-Québec Essay Competition for the next generation in transportation**

The city of Québec recently hosted the 53<sup>rd</sup> Annual Conference of the Association québécoise des transports (AQTr) under the theme “*L’innovation, ça nous transporte!*” [Innovation drives us!]. AIPCR-Québec members presented the results of their efforts in their field of expertise. Furthermore, AIPCR-Québec and AQTr organize an essay competition, which enables graduate students to orient their reflection on one of about 50 issues addressed by PIARC technical committees for the current work cycle. First Delegate of Canada-Québec and PIARC Honorary President **Anne-Marie Leclerc** awarded the prize to the winner of the 18<sup>th</sup> AIPCR-Québec Essay Competition, **Julien Blancher**, a Master’s student in engineering (with project), concentration in urban infrastructure, at the École de technologie supérieure of Montréal. Julien Blancher was rewarded for his project called “*Conception et validation d’un guide de surveillance de travaux d’infrastructures municipales*” [Design and validation of a monitoring guide for municipal infrastructure work]. A grant was awarded to him by Stantec Consulting Ltd., a company that confirms its commitment to the new generation year after year. Julien Blancher is also registered as a young professional in Technical Committee D.1 *Asset Management*.





Anne-Marie Leclerc, First Delegate of Canada-Québec and PIARC Honorary President; Julien Blancher, winner of the 18th AIPCR-Québec Essay Competition; Martin Thibault, regional Vice-Président—Transports at Stantec Consulting Ltd.; Chantal Aylwin, Chair of the Board of Directors of AQTr; and Dominique Lacoste, President and CEO of AQTr.

**PIARC Task Force B.2 meeting to be hosted in Québec**

At the time of writing, Québec will host the first meeting of the new Task Force B.2 on automated vehicles in July 2018. The themes covered by the work of this Task Force are crucial for the future of transportation and address issues that contribute to the advancement of innovation, policies and communities of practice in the field of vehicle automation. More details on this meeting in the city of Québec will be communicated in the next bulletin.

**ECUADOR**



Technical meetings on roads and highways organized by the National Committee of Ecuador with the collaboration of the Road Technical Committee and the Spanish NC (Asociación Técnica de Carreteras)



First day of the National Road meetings organized by the National Committee of Ecuador

**FRANCE**



Arrival of **Sandrine Chinzi**, as Director of Transport Infrastructure and First Piarc Delegate for France replacing **Christine Bouchet**.



The Piarc FC has been project manager of the French Pavilion for the exhibiton “a latere” of the international winter maintenance Congress held in Gdansk from 20th to 23rd in February 2018.

The Pavilion was inaugurated by **Claude Van Rooten** and **Yves Robichon** in the presence of many participants.



The three candidates representing France, selected at the national championships in September 2017, competed at the international snow-ploughs championship under the encouragement of many supporters .



PIARC and FC PIARC were present at the World Road Maintenance Summit (PPRS 2018) March, 26-28 Nice, (France) with a joint stand.



## ITALY



### **START-UP MEETING OF THE NEW TECHNICAL COMMITTEE “CONNECTED AND AUTOMATED DRIVING” – ROME FEBRUARY 16,2018**

Last February 16th, the start-up meeting of the new Technical Committee on Connected and Automated Driving created by the Italian National Committee was held at the Ministry of Infrastructure in Rome. This first meeting was attended by about 50 experts from the Ministry, road, motorway and safety systems companies, automotive and truck manufacturers, telecommunications, insurance and legal sector.

The main objective of this new Technical Committee presided by Dott. **Domenico Crocco** (also First Delegate and Secretary general of PIARC Italy) is to promote the implementation of the connected and automated vehicle in Italy. This is to be accomplished through an efficient regulation that considers the ethical, legal and safety aspects, with close attention so that the automated vehicle is not transformed in a weapon for terroristic or criminal use.

The Technical Committee is composed of 4 working groups:

1. Automated Vehicles, presided by Dott. **Massimo MARCIANI** – also Presidente of the TC “Freight”
2. Smart Roads, presided by Ing. **Luigi CARRARINI** – Responsible for Infrastructure technology and installations in Anas S.p.A.
3. Cyber Security, presided by Ing. **Saverio PALCHETTI** –President of the International PIARC TF C1 “Infrastructure Security”.

4. Regulation, presided by Ing. **Mario NOBILE** – Director General of the Directorate for Information Systems and Statistics at the Ministry of Infrastructure and Transport.

During the first Committee meeting, appreciation was expressed for the commitment of Anas in the implementation of the project Smart Roads. Ing. **Mario NOBILE** announced the signing of the Ministerial Decree “Smart Roads and automated vehicles”. The Decree, effective from last February 28, authorizes in Italy the installation of technologies necessary to adapt the Italian infrastructure network to the new “smart” services as well as testing with automated vehicles.

The first meeting of the Working Group 3 Cyber Security, presided by Ing. **Saverio PALCHETTI**, was held last April 5th in Anas headquarters in Rome.



The President of the new PIARC Italy Technical Committee “Connected and Automated Driving”, Dott. Domenico Crocco



The panel of experts of the PIARC Italy Working Group Cyber Security in Rome April 5<sup>th</sup>

#### **ITALIAN PARTICIPATION TO THE XV INTERNATIONAL WINTER ROAD CONGRESS – GDANSK (POLAND) - 20-23 FEBRUARY 2018**

As in the past editions, Italy was present with a stand at the international Exhibit where the main important road and commercial practices that operate in the winter road sector were presented. In particular, the activity of Anas S.p.A. and Giletta S.p.A. that provide snowplow vehicles.

To represent the Italian National Committee in Gdansk was Dott. **Leonardo ANNESE**, Communication and promotions coordinator together with Ing. **Roberto MASTRANGELO**, Responsible for road network management and coordination of territorial operations of Anas and President of the Italian Technical Committee “Winter Service”.

In the Italian stand the major Italian activities were presented and it was the occasion to celebrate the 90<sup>th</sup> anniversary as the Italian road authority. At the stand, the theme of road safety was addressed by offering a simulation of a path with special eyeglasses (supplied by the Italian company Contralco) that measures the state of drunkenness.

In parallel to the International Winter Congress in Gdansk, a CEDR seminar was held with the participation of Ing. **MASTRANGELO** and Ing. **Enzo GILETTA** presenting their work on “Winter road maintenance 4.0”. They illustrated a technological intelligent method for the use of winter maintenance road vehicles making the vehicle interact with the control room, infrastructure and the road users.

#### **THE THIRD MEETING OF THE PIARC INTERNATIONAL TASK FORCE C1 “INFRASTRUCTURE SECURITY” - ROME – 21-22 MARCH 2018**

Last March 21 and 22 at Anas headquarters in Rome, the third meeting of the International TF C1 Infrastructure Security was held and was presided by Ing. **Saverio PALCHETTI**. The meeting was attended by representatives of 7 countries for a total of 10 active members from 4 continents. During the 2 days 9 terroristic or criminal attack scenarios were illustrated, physical and cyber, and road systems, urban spaces and strategic assets. The aim is to stimulate a major awareness of vulnerability in order to improve the cooperation between public and private, interaction and interdependency between the various owners, managers and concessionaries of road infrastructure transport.

Technically the aim is to pursue the development of a resilient attitude in terms of preparation, prevention, protection, response and recovery of the normal activity in case of a critical event or attack. The mission assigned to this Task Force on behalf of PIARC, consists in bringing to the attention of the road sector the relevant and difficult theme of infrastructure and transport security. It is our intention to propose recommendations at the next World Congress that will be held in Abu Dhabi in October 2019.



Participants at the PIARC Task Force C1 meeting in Rome at Anas Headquarters.

## MOROCCO



Under the Presidency of the First Delegate **Mr. Mohamed AFECHKAR** and the Secretary General **Mr. Mohamed QACHAR** on March 14 2018, in Casablanca, the Moroccan National Committee (AMPCR) hosted a meeting with the participation of the representatives of the French speaking national African committees. Representatives of 6 National Committees (other 4 apologized) for a total of 20 participants beside the undersigned, the Vice President of AIPCR **Cheick DIALLO**, the Vice Secretary General of AIPCR **Robin SEBILLE** and numerous experts present from the engineering world, road and highway management and operation, and universities were present at the meeting.



French speaking National African Committees Meeting

The meeting was the opportunity to discuss important issues for the NCs of the African countries such as the internal organizational questions, redynamization of the African NCs' participation in the Association's activities, the development of collaboration between African NCs and of the public-private partnerships within the NCs as well as the problems tied to the participation of the African experts at various levels within PIARC.

The main problems of the African countries today in relation to the road network regard the financing, the preservation of the road assets, road maintenance and the problem of mobility. These involve projects that can be dealt with together, benefiting from the cooperation and the possibility of working together to obtain competencies, time and optimizing the efforts for the future development of the African road infrastructure. The meeting was the starting point in order to weave a strong partnership between the African countries and PIARC.



Saverio Palchetti Representative of PIARC National Committees in Casablanca





### **PPRS: Maintenance Modernization Adaptation of Roads and Streets for Tomorrow's Mobility - Nice, France 26 – 28 March 2018**

Pavement Preservation and Recycling Summit (PPRS) is an event where testimonies from all around the world prove the need for better road infrastructure and urban networks maintenance to support the mobility of people and goods.

Mexico took part in PPRS 2018: Maintenance Modernization Adaptation of Roads and Streets for Tomorrow's Mobility during session 12 regarding Road maintenance management models, **Hector Ovalle Mendivil**, AMIVTAC's president and CEO of COCONAL participated as speaker with a conference titled Lessons learned from long-term maintenance contracts in Mexico that highlighted the panorama from the outlook of the private sector; on the other hand, the Mexican government through the Ministry of Communications and Transportation presented the perspective of the public sector.



H. Ovalle during PPRS 2018

### **International Seminar: Rehabilitation and Sustainable Technology in Bridges Campeche, Mexico 19 – 21 de April 2018**

Technical committee D.3: Bridges jointly with the Mexican Roadways Engineering Association (AMIVTAC, for its acronym in Spanish) organized the 5th International Seminar: Rehabilitation and Sustainable Technology in Bridges at the International Convention and Exhibition Center Campeche XXI.

This event gathered around 650 participants among students, experts, exhibitors and speakers from 15 countries. The speaker's presentations in this seminar are available for free on the website of AMIVTAC and PIARC.



Participants at the V International Seminar on bridges

### **Informal PIARC National Committees Meeting - Campeche, Mexico 27 April de 2018**

During the Executive Committee, the Strategic Planning Commission and the Communication Commission meetings held in Campeche, Mexico from April 23 to 27, 2018, the National Committee of Mexico in PIARC, AMIVTAC, organized an informal National Committees' (NCs) meeting in which representatives of Argentina, Austria, Belgium, Italy, Mexico and the United Kingdom participated.

The main objectives of this meeting were (i) to generate a constant conversation and collaboration between NCs and (ii) to encourage debate and consultation about the participation of the NCs in PIARC's activities. In addition, participants emphasized that the products of the NCs are diverse and could be considered by the Technical Committees and Task Forces; in this way, as a conclusion, informal meetings are necessary and productive.



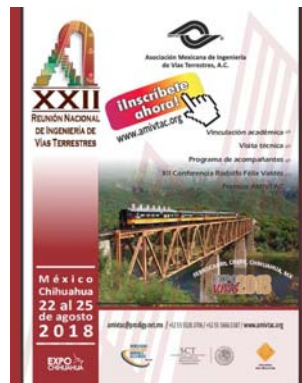
Participants at the National Committees informal meeting

**XII Roads National Meeting - Chihuahua, Mexico 22 – 24 August 2018**

As every two years, AMIVTAC organizes the Roads National meeting where professionals from the private and public sector meet to share experiences and innovations regarding road infrastructure.

On this occasion, the central theme of this meeting is *Security of strategic infrastructure*, which will have several foreign speakers who will share success stories in their respective countries, as well as the approach to this concept from different perspectives.

The event will be held at ExpoChihuahua from August 22nd to 24th, 2018 and will offer its participants an academic meeting, two days of conferences, a technical visit and a place for exhibitions for machinery, companies, and products related to land routes. More information is available on AMIVTAC’s website <http://amivtac.org/xxiirnacional/>

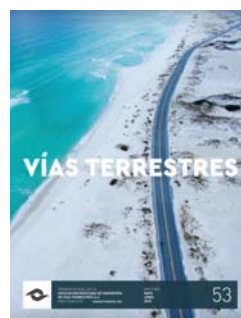


**Magazine: *Vías Terrestres* - No. 53, May - June de 2018**

Edition No. 53 (May - June) of *Vías Terrestres* magazine (only available in Spanish) includes the first part of the implementation of PIARC International Climate Change Adaptation Framework for Road Infrastructure in Mexico, through a case study in the federal road network of the states of Nayarit and Jalisco. It also includes an article titled, *Echoes of PIARC Freight Technical Committee* and another one regarding the vision of the future of roads by the Association’s former president.

These and more articles, in addition to previous editions of the magazine, are available electronically for free at

<http://www.amivtac.org/revista.php>



**Technical visit to the 3rd bridge over the Panama Canal: Atlantic Bridge - Colon, Panama 21 – 25 March de 2018**

AMIVTAC's Technical Committee on Bridges promotes technical visits to the construction of bridges in Mexico and abroad. The 3rd Bridge over the Panama Canal gives its exceptional characteristics in terms of clearings, length, and height above the Panama Canal, and generates interest from Mexican professionals due to its economic importance in the region. This visit took place from March 21 to 25, 2018, where 36 AMIVTAC's members participated.





Members of AMIVTAC during the technical visit to the 3rd bridge over the Panama Canal



## SLOVAKIA

The executive board of the Slovak Road Association (SRA) with the consent of the First Delegate of the country and due to the inadequate activities of the Slovak Republic National Committee (AIPCR-PIARC) in previous years, decided to take over the responsibility for further management of the NC with the aim to enhance its activities. The Slovak Road Association is a member organization of the Association of Slovak Scientific and Technological Societies gathering Slovak expert scientific and technological societies and is a signatory of the European Road Safety Charter that is the European Commission platform focused on reducing road fatalities. The SRA is professional, non-profit and non-political association of subjects, which are active in the field of road construction and road management in the Slovak Republic. The SRA promotes scientific and technological development, knowledge dissemination and knowledge exchange, education, publishing and international cooperation in the above mentioned area.

One of the first assignments of the newly shaped NC was election of its new representatives, where the position of the chairman of the NC performs **Mr. Jan Sedivy**, who is supported by his assistant **Ms. Zuzana Fabianova**, both from the SRA. The NC is backed by the First Delegate of the country, **Mr. Peter Varga** and his assistant **Mr. Marian Hantak**, both representatives of the Ministry of Transport and Construction of the Slovak Republic. With the aim to improve the work of nominated members and member-correspondents in the PIARC Technical Committees (TC), the NC evaluated their activities, discussed them with each individual and proposed some personal changes in the representation of the country in the TCs.

The most significant event for members of the NC was participation on the **XV International Winter Road Congress** in Gdansk, Poland, 20-23 February 2018. Based on the impulse of the SRA a common stand with our partners from the Czech Republic was prepared as an accompanied activity to the Congress. According to the organizers it was one of the very successful and most visited stand of the exhibition. Our NC was represented at the Congress also by a presentation on topic „Performance of winter service in the National Motorway Company in Slovakia“(T5-6).



Slovak part of common Czech and Slovak stand at the exhibition – Chairman of PIARC Slovak NC Mr. Jan Sedivy (centre), First Delegate of PIARC Slovak NC Mr. Peter Varga (right)



President of PIARC Mr. Claude Van Rooten during discussion with Chairman of PIARC Slovak NC Mr. Jan Sedivy

Another very important activity of the NC was preparation and implementation of the **Road Conference 2018**, in Bratislava, on 27-28 March 2018, under the auspices of the Minister of Transport and Construction of the Slovak Republic. Conference has been attended by 270 participants from the government, academia and private and business sector. At the conference, which is organized regularly once a year, one of its blocks of presentations was this year devoted to the PIARC activities with the purpose to promote its achievements, increase the knowledge on PIARC among professionals and public and encourage young engineers and scientist to join this work. The present and former members of PIARC TC shared their knowledge and experience from this work and all the attendees received fresh information on the outcomes of the Congress in Gdansk.



Executive board and participants during Road Conference 2018

The contacts with partners from newly established NC of Poland has been further deepened. Our delegation headed by Mr. **Jan Sedivy** was invited to participate at **VI. International Conference „Silesian Road Forum“** which was held in Katowice on 24-26 April 2018. This opportunity brought the chance to discuss with Mr. **Zbigniew Kotlarek** (Chairman of PIARC Poland NC) in details further possible cooperation of both NCs.



## SPAIN

### Technical Conference on "Containment Systems in Bridges" - Madrid, 6 March 2018



The *Asociación Técnica de Carretera/Technical Road Association (ATC)* and Spanish National Committee of PIARC held in Madrid with great success the Technical Conference "Containment Systems in Bridges" attended by 240 participants from the public and private sector. This meeting aimed to review the situation of the equipment of the bridges and, in particular, that of the containment systems in the road safety of the infrastructure.

**Mr. Álvaro Navareño**, President of our Technical Committee on Bridges, was responsible for the Technical Direction of the Conference.

### Technical Conference: **MDSS (Maintenance Decision Support System) a possible improvement** - Madrid, 22 March 2018

The latest technologies applied in neighboring countries, such as Ireland, Slovenia or Finland, for Winter Service Management are the MDSS (Maintenance Decision Support System). It is a decision-making tool that integrates key information on weather forecasts, winter service procedures and data on available resources to provide recommended treatment strategies for road maintenance.

The objective of the MDSS implementation is to create proactive and well informed decision making processes.



This Conference attended by 180 professionals has been organized under the Technical Direction of **Mr. Luis Azcue** – President of our National Technical Committee on Winter Service.

#### **IV International Seminar on Earthworks in Europe - Madrid, 19 and 20 April, 2018**



The IV International Seminar on Earthworks in Europe has been held in Madrid on 19 and 20 April 2018. This fourth edition has been organized by the ATC (Spanish National Committee of PIARC) with the assistance of the PIARC Technical Committee D.4 (Rural Roads and Earthworks) and its Chairman **Mr. Roberto Sandoval**, the CEN / TC-396 Committee and the support of the Spanish Ministry of Development and the Polytechnic University of Madrid. **Mr. Miguel Caso Florez**, Technical Director of PIARC, was also present at the Seminar. This Seminar focused on the evolution of the design, construction and maintenance of earthworks.

The PIARC Technical Committee D.4 and other international experts analyzed topics such as European standardization, sustainability and optimal use of local materials, geotechnical risk analysis, adaptation to climate change and projects & special achievements. The CEN / TC-396 Committee presented the new European EN 16907 Standards which have just been published.

The Seminar attended by 120 national and international professionals has been conducted in English and Spanish, with simultaneous translation available.

#### **Technical Conference: “2+1 Roads – A solution with future” - Madrid, April 26, 2018**



Historically, the demand for traffic on interurban roads has been resolved in our country through two design solutions: conventional highways and freeways, also known as motorways.

This polarization of the alternatives causes an important discontinuity of the benefits for the users of both types of roads, and particularly regarding safety performance. Similarly, construction costs are also very different.

However, today there are sufficiently proven technical solutions that can constitute an adequate response to intermediate situations. Such is the case of those that have come to be called "2 + 1 roads", where on the basis of a conventional highway additional overtaking lanes are added and a physical separation of the traffic directions can be established. This new solution allows extending the supply of a conventional highway, without the need to necessarily undertake the conversion into a freeway or motorway.

**Mr. Fernando Pedraza**, President of our National Technical Committee on Planning Design and Traffic, was responsible for the Technical Direction of the Conference, attended by 100 professionals.

Within the program, a posthumous tribute has been given to the memory of **Mr. Sandro Rocci Boccaleri**, ENGINEER AND MASTER OF ENGINEERS, who has presided over this Committee until recently.

**RUTAS Magazine**

Number 174 (January-March 2018) of our quarterly RUTAS Magazine has been released.



We offer the possibility of downloading RUTAS Magazine in digital format from our website. Additional information available at: [www.atc-piarc.com](http://www.atc-piarc.com)

If you wish to receive our digital RUTAS Magazine directly, please send an email to: [info@atc-piarc.com](mailto:info@atc-piarc.com)

## World Road Association Congress



More information: <http://www.piarcabudhabi2019.org>