



Editorial

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Representative of National Committees of the World Road Association

The dancers of Matisse and the Farmer's wagon : reflections and insights after the PIARC Bonn meetings

As you know, at the beginning of October I sent to all National Committees (NCs) a preliminary Draft Report, trying to lay out an analytical and rational approach to the relations that characterize a National Committee. I received comments, contributions and corrections and I thank everyone for his or her participation.

Summing up my presentations made in Bonn at the meetings of the NCs, the Executive Committee and of the Council, I registered the progresses made from Abu Dhabi's session and I discussed how to center/focus on the new issues of the NCs, pointing out three main issues :

1. How to improve relations between NCs?
2. How to improve relations between NCs and the General Secretariat (GS) and all associated activities?
3. How to improve internal activities of a NC?

In order to avoid being assimilated to an "utopia factory", we must keep our feet well on the ground .

The first question leads us to verify how internal communication between NCs actually function and in which direction we want to go. A priority is our Bulletin, which is actually the main tool of communication between NCs and from NCs to the GS. The Bulletin is a very useful tool but recently someone has doubted its effectiveness asking more current and frequent correspondence and posting of activities. A "digitized" Bulletin can be a way of improving timing and posting (free from the quarterly deadline) but some NCs consider still useful to have a deadline to send a contribution. A sort of soft pressure to remind all NCs that writing their report is still, very important. But, as said, the "digitized Bulletin" needs more self-commitment and responsibility. Moreover, the development of digitization can be an opportunity for already active NCs to communicate continuously and an incentive for others to become more active.

In this regard, as you know, the GS is making a big effort to improve the internal and external communication of the Association. To remind you, a very professional person responsible for communication such as Marina Domingo Monsoni was hired by PIARC GS and she began by launching the monthly newsletter. Moreover, the chairmanship of the excellent Diane Gamble is leading an intense and productive work in the Communication Commissions (ComCom). Therefore, in my opinion, in order to apply the interesting option of a new "digitized" Bulletin, we need to study and develop beforehand how the PIARC website and the already available tool actually perform and how they can support in the future the needs of the NCs. Then, we can work with the GS on the various functions and outputs that a digitized

Bulletin can provide in order to obtain the result of a more effective communication tool for all NCs.

But improving relations between NCs also means asking the question: how we can involve the NCs that do not presently send their contributions to our Quarterly Bulletin? I reported in Bonn that in 2017 only 19 NCs out of 40 sent contributions. What about the other 21 NCs?

As Representative of NCs this is a very important issue to be addressed.

At the moment, examining this point concerning communication between NCs, two actions are already viable:

- round table meetings with all NCs;
- training/information sessions with NCs (especially those inactive).

Regarding the first point, in Bonn it was agreed that in the next spring session 2018 of Campeche (Mexico) we will have a one day meeting dedicated to National Committees which has to be considered preparatory to the following meeting in Yokohama (Japan). I understand that for budget reasons some NCs will attend only the second session of 2018 when the Council is convened. In Mexico we can take the opportunity to have a first open discussion with those present..

On the second point, of more interest to less active Countries, I confirmed my availability to pay on-site visits. I repeat, I confirmed my full availability, but not having received any feedback, I wonder if I have to start a direct contact with the less active countries to stimulate and obtain feedback. Obviously, here my first thought goes to Africa, and I hope that friends from the African NCs will let me know their availability.

In order to open the discussion between us, in the upcoming weeks I will send to all NCs the revised version of the preliminary version of the Report writing Chapter 4 (to be entitled "Possible Actions") of my document.

My evaluation as Representative of NCs of the outputs resulting from the PIARC meetings in Bonn last October 23-28 is surely positive. At our meeting of NCs, we had 24 countries and about 50 participants (see pictures below). Considering that the Executive Committee meeting was held in parallel, I consider it a very positive result (at my election in Cape Town there were 23 countries). Thanks again to everyone, I find it encouraging and will certainly go forward in the work we have begun.



NCs meeting in Bonn, October 25 2017

To conclude, in my presentation made in Bonn I think it was useful to pass on my message to the NCs by describing two metaphors: **The dancers of Matisse** and the **Farmer's wagon**. For those who were not at our Bonn meeting, I repeat my message. We are a community of NCs proud to be part of the PIARC world and that need to cooperate as a group of dancers in the circle. They dance together though not all in the same way, but they can be harmonic and those ahead of the others can help those slightly behind to help them perform better. So, let's all converge!! The Farmer's wagon is the metaphor of a NC that, to manage its workload, needs a traction (driving force) and wheels (resources) proportional to the load (performing activities). Therefore, to be active as NCs we need good traction and more than a couple of wheels. In this phase, the best-equipped NCs could support the less equipped. In this case, can we think about twinning? Of course, the Representative of NCs must certainly help in managing the load in order to bring it to its final destination.

Although the reality is complex and articulated, volunteering is an extraordinary opportunity, but it must be inclusive and supportive, in a choral view and because it is a “long and winding road”(*) ... it’s always better to travel in good company.



The dancers of Matisse



Farmer's wagon

(*) from the Beatles' song "The long and winding road"

Thank you for your participation!

Saverio Palchetti
Representative of National Committees

NC News, Events, Seminars and Conferences



ARGENTINA

The Argentine National Committee (AIPCR_ PIARC) carried out during the months of (May-June-July) of 2017 the following public activities:

NOTE: It is recommended that items 1), 3) 6) 7) and 8) were included in the monthly Newsletter of PIARC

1- On May 10th was held at the headquarters of the Argentine Road Association, the **Preparatory Day of the Pre Congress of Rural Roads**, to be held at the Annual Exhibition of the Rural Society Argentina. Representatives of the National Committee, together with authorities of technical agencies and representatives of the National Agricultural and Livestock Organizations, analyzed the difficulties in these roads as a result of intense rains and floods that involved the declaration of emergency in eleven provinces of the country.

2- On May 16 th, the The Argentine Road Association held a workshop in conjunction with the International Road Federation (IRF) Webinar on " Pavement Preservation", in order to provide a clear and concise discussion of the Why, What, and How of Pavement Preservation for Asphalt Pavements. The event was attended by special guests from the public sector and experts from the private and academic sectors.

3)-International Seminar on "Asset Management for Rural and Low Volume Roads" Santa Cruz de la Sierra (Bolivia), from 24 - 26 May 2017. As representatives of Argentine Roads Association were present: the Vice President of the World Road Association (PIARC), Miguel A. Salvia, and the Technical Secretariat of the World Road Association (PIARC- Argentina), Haydée A. Lordi, who presented her work on "Economic and social benefits on rural roads"and also participated in the meetings of the World Road Association (PIARC)'s Technical Committee D.4 "Rural Roads and Earthworks".

<http://www.seminariobolivia2017.com/>

<https://www.facebook.com/SeminarioPIARC/>

4) On May 24 organized by the Institute of Road Safety and Education and the support of the Argentine Roads Association, was held the Workshop on **Transitory Road Signing Day**.

5) On May 31, the Argentine Road Association was integrated, at the invitation of the Argentine Transportation Institute and the Sub- Secretariat of Transportation Cargo Planning and Logistics of the National Ministry of Transportation, to the Bureau of Logistics Coordination between public entities and private sectors to define the new profile of logistics activity in Argentina.

6) On June 2, was held the **Day of Design and Construction of Concrete Urban Pavements**, organized by the Portland Cement Institute and the Argentine Roads Association.

7) On 13 June 2017, the Argentine Roads Association commemorated the **Road Safety Day in Argentina**, with the completion of a day to promote and raise awareness of this subject and its various aspects. The day was focused on the new management plans of the National Road Safety Agency, the Road Observatory and the National Highway Administration.

The event had the special participation of the General Manager of National Roads and First Delegate of PIARC Argentina, Ing. Javier Iguacel and several sector authorities, legislators, technicians and entrepreneurs related to the road work. The technical presentations included, among others, Dra.

Verónica Raffo, specialist in Infrastructure of the World Bank, Lic. Verónica Héller, National Director of the Road Observatory of the National Road Safety Agency, and Lic. Paula Bisiau, Subsecretary of the Sustainable and Safe Mobility of the City of Buenos Aires.



In addition, was introduced the second version of the **Road Safety Manual - RSM**, which is designed to assist countries at all stages of its infrastructures, to comply with the objectives of Road Safety. It is aligned with the fundamental pillars of the United Nations Decade of Action for Road Safety 2011-2020.

http://www.aacarreteras.org.ar/actividades/dia_seguridad_vial

8-The Argentine National Roads Bureau and the Chilean National Roads Bureau in conjunction with the Argentine Roads Association, the Chilean Road and Transport Association and the World Road Association (AIPCR/PIARC) organized The "**International Conference on Winter Service**" to be held from **June 27th to 30th in the city of Mendoza, Argentina.**

The winter roads service has the objective of carrying out operations dedicated to maintaining the road in good traffic conditions when the weather conditions are adverse.

With this in mind, international experts conducted various presentations covering topics related to anti-ice and snow removal strategies, information and early warning systems, service level, work in high mountain areas and border areas, as well as solutions of winter roads in urban areas.

During the three days of the International Conference on Winter Road were developed four thematic areas in which professionals and technicians of the different specialties presented their experiences and technical proposals.

Also held in the same the Meeting of the Technical Committee PIARC TC B.2 Winter Road.

Technical visit: On Friday 30, a full day technical visit was made to the Cristo Redentor International Pass, the main linking corridor of Argentina and Chile, which includes a tunnel of 3,080 m of extension and 3,209 m of height, located at 200 km of the City of Mendoza, and to 155 km of the city of Santiago of Chile.



<http://www.vialidadinvernal.org.ar/>

<http://www.vialidadinvernal.org.ar/eng/index.html>

9- Development of courses and seminars held in the Foundation for Professional Transport (FPT) organized by the Argentine Roads Association (AAC) in conjunction with the Argentine Federation of Business Entities Motor Carrier Freight (FADEEAC). April - June 2017.

10- Series of Seminars on Road Safety, organized by the Road Safety Commission of the Argentine Highway Association (AAC). The main objective of these seminars is to optimize safety levels through road infrastructures. The training addresses design criteria for a safe system, development of road and highway safety inspections and audits, detection of inappropriate practices and unsafe situations; and the guidelines of the "Towards Zero Vision" program, which is being promoted by the

AAC. April - June 2017 in the coastal provinces of Argentina (Entre Ríos, Corrientes and Misiones).

11- Organization of Seminars on the National Technical Committees to be held during 2017 for the advancement and dissemination of the Strategic Plan for Technological Transfer (PIARC 2016-2019) of the National Committee, organized by the Argentine Roads Association (AAC). April -June 2017.

12- Technical meetings, organized by the Argentine Roads Association (AAC) for the presentation of the new Manual of Vertical Signaling for the National Road Administration (D.N.V.). These were attended by special guests from the public sector and representatives of the technical area of the National Highway Administration (Chief Engineers, Directors, etc.) **June - July 2017.**

13 - On July 11 and 12 were held the **Technical Update Days on Bridges**, in order to analyze the new regulations on this subject being carried out by the public sector with the support of Universities and Organizations such as the Argentine National Committee.

14- Elaboration of various programs for the delivery of Courses on the "Review of National and Mercosur Standards", organized by the Argentine Roads Association (AAC), together with the Argentine Institute for Standardization and Certification (IRAM), **April-June 2017**

15- Training seminars on Road Safety for cadets and agents of the Buenos Aires Police, in conjunction with the Superintendency of Police Training Institutes of the Province of Buenos Aires, organized by the Argentine Roads Association (AAC). **April-June 2017 2017**

AUSTRIA



Joint meeting of the Austrian Technical Committee Members 2017

In December the Austrian National Committee will be hosting a meeting of all Austrian experts represented in the Technical Committees. An update of the current status of the working program in the different Technical committees will be given in view of the upcoming World Road Congress in Abu Dhabi 2019. Austrian experts are being represented in 21 of the 22 total Technical Committees and Task Forces. The meeting will be also attended by representatives from the Austrian Road and Rail Research Association, representing an audience of 1200 members. Regular meetings like that one provide for a seamless information flow from international to national level.



Qualifying for the PIARC Winter Road Congress in Gdansk Austrian National Snowfighter Competition 2017

The 2017 Austrian National Snowfighter Championships took place on 11-12 October at the Red Bull Circuit in Spielberg. 33 teams from 7 federal provinces and the ASFINAG motorway company competed on both days in an exciting competition, where the skill in the operation of winter service equipment was tested on a course, which was already used for the competitions during the PIARC Winter Road Congress in Andorra 2014. The fastest time and the most less faults were assessed by a competent jury, and the 3 winners from the competitions will be sent to the 2018 PIARC Winter Road Congress in Danzig for an international comparison with the representatives of other countries. The

competition leads to a great motivation of winter maintenance service staff and is organized in Austria every 2 years.



Tunnel Safety and Ventilation
Register now!

9th International Conference
TUNNEL SAFETY AND VENTILATION
New Developments in Tunnel Safety
12. - 14. June 2018, Graz – Austria
www.tunnel-graz.at

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The 9th International Conference on Tunnel Safety and Ventilation will take place at Messecenter Graz from 12 to 14 June 2018. Following the successful tradition this international symposium offers again in 2018 the possibility to exchange knowledge and to gain deeper insight into the newest developments in the fields of:

- ventilation: design, fireloads
- emission, emission-factors
- risk analysis, limits, assessment for safety related equipment
- choice of ventilation systems in relation to risk analysis
- system tests (tunnel – safety – ventilation)
- system tests for commissioning, recurring tests
- tunnel operation
- refurbishment and upgrading of tunnels under operation

The Austrian National Committee of PIARC is co-organizer of the conference and many PIARC TC-members from all over the world usually attend this outstanding conference every 2 years.

The conference is accompanied by an exhibition with more than 1000 m² of exhibition space, located directly adjacent to the conference rooms, offering an optimal forum for business contacts.

The technical visit will show you the “Zentrum am Berg” (Res@ZaB), the European centre for research, development and testing, with a focus on the construction and operation of subsurface infrastructure. Five tubes meeting in a central cavern are forming a huge tunnel complex, offering numerous possibilities for research, operation and training. This arrangement allows investigations in novel ventilation concepts, ventilation control systems, fire-fighting technologies and many other applications under real world conditions.

For more information visit www.tunnel-graz.at

GERMANY



German Road and Transportation Congress with the 'Road and Transport 2018' exhibition in Erfurt

From 12th to 14th of September 2018, the Road and Transportation Research Association (FGSV) will welcome experts to the **German Road and Transportation Congress 2018** and the Road and Transport 2018 exhibition. Both will take place in the Congress Centre in Erfurt.

For more information please contact:

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TC A 4.2 "Road Transport System Economics and Social Development" met in Karlsruhe

On July 10-11, 2017 the Technical Committee A 4.2 of the World Road Association (PIARC) held their annual meeting in Karlsruhe. The PTV GROUP, Transport Policy & Research was hosting this meeting.

13th International Symposium on Concrete Roads from 19 to 22 June 2018 in Berlin

The German "InformationsZentrum Beton", together with EUPAVE and their partners are pleased to invite you to take part in the promising 13th International Symposium on Concrete Roads from 19 to 22 June 2018 in Berlin. The symposium includes the German FGSV-Conference on Concrete Pavements "FGSV-Betonstraßentagung".

Themes will be: High axle-load areas, Highways and truck parking areas, Urban and rural roads, intersections and roundabouts, Materials – Concrete for various applications, Precast systems, Maintenance strategies, assessment of structural capacity of concrete pavements, Surface characteristics and modern methods of execution, General reports on application of concrete pavements, Quality control and testing, Big Data – concepts to optimize the use of entire infrastructure networks



JAPAN

International Workshop on "Disaster Management for Roads"

TC E.3 "Disaster Management" held the International Workshop in Tokyo, on 31 May, 2017, along with the TC meeting. More than 100 professionals participated, as well as nine guests from overseas. The first presentation was on the damages and recovery of the 2016 Kumamoto Earthquake, followed by those on disaster management of roads in five other countries. They showed various systems adapted to local characteristics. As the participants evaluated highly, the Workshop enabled them to learn diverse examples.

On the next day, TC members traveled to the earthquake-affected areas in Kumamoto to see the road infrastructure recovery.





Annual PIARC TC Report Seminar of Japan

Japan National Committee held the Annual TC Report Seminar on 14 July, 2017. TC members reported the progress in TC activities. More than 70 experts in road engineering participated, and had active discussions such as the evaluation methods of road development projects. Several representatives mentioned preparation underway for the coming Winter Road Congress. Since the last cycle, representatives set and report the mission in their activities, such as sending information of Japanese technologies, and collecting good practices.



ITALY

The annual meeting of the PIARC-WRA Italian National Committee– Rome July 18, 2017



The Assembly of the Italian National Committee of PIARC WRA met on July 18 2017 at Anas S.p.A. headquarters in Rome under the Presidency of **Ing. Gianni Vittorio Armani, also President of Anas**. A few of the various important points in the agenda of the day were the renewal of the Members of the National Committee for the period 2017-2020, a few changes in the regulation, the approval of the final budget 2016 and the budget estimate of 2017 and the annual report with an update on the yearly activities of the Association and those foreseen for the remaining of 2017.

Dott. Domenico Crocco –Secretary General of PIARC Italy opened the Assembly and **Ing. Saverio Palchetti – PIARC’s Representative of the 40 National Committees**, illustrated the various types of NCs in the world and gave an update on the activities and tasks of the Association on an international level. **Dott. Massimo Marciani, President of the Italian Technical Committee “Freight”** described the activity carried out for the fulfillment of the agreement with the “Albo Autotrasporto-Register of Road Transport” for the study of road cabotage in Italy. Some of the main commitments of the Italian Committee highlighted were: the International conference Smart roads/Smart Cars held on October 13 in Rome; the organization of the Mid-term meeting with the Presidents of the Technical Committees and International Task Forces of PIARC-WRA in Rome next December 4-5-6; the mid-term meeting of the Italian National Committees to be held at the end of January 2018 and the preparation of the Italian stand at the International winter Congress to be held in February in Poland.

At the end of the Assembly, President Armani congratulated the Italian National Committee for the excellent work carried out by the Italian Secretariat office and by the Italian national experts in Italy and in the international committees.

The PIARC Italian National Committee at the Road Safety TechnoPark – Marcianise (CE) – September 15, 2017

The first **Road Safety TechnoPark** organized by the PIARC Italian National Committee in cooperation with **SMA Road Safety** took place in Marcianise (Caserta) on the premises of Industry A.M.S. s.r.l.. During the event the forefront technologies regarding road safety were presented by new and old producers of safety systems. **Anas** as well presented its barrier for motorcyclists, while **SMA Road Safety** coordinated the day and presented its own devices, impact dampener and barrier terminals. The Meeting introduced by the Secretary General of PIARC Italy **Domenico Crocco** (bottom photo on the left), approached two main themes during which top experts of road safety intervened:

- road safety as a strategic theme approached by PIARC
- quality and innovation in road safety

During the day 2 formative workshops were held: 1. Analysis and specifics of road accident density and 2. Problems and Solutions for passive road safety

The Mayor of Marcianise and the President of the Regional Industry Confederation participated at the opening of the event.



The Italian National Committee participates in the “Citizens council for road safety and sustainable mobility” of the City of Rome

The City of Rome has created a “Citizens Council for road safety and sustainable mobility” as an organism who gives voice to the various actors operating in the field of road safety and sustainable mobility. The Council is composed by representatives of institutions, public entities and associations. From last September, PIARC Italy participates as well and is represented by **Leonardo Annese** (photo above on right), also Italian member of the International Technical Committee TC1 “National Road Safety Policies and Programs”.

Road safety represents one of the main priorities for the Administration of the City of Rome since the mobility scenario is mainly dominated by private vehicles with limited use of public transportation, bicycles and pedestrians (foot traffic). In 2015 in Rome, accidents with victims were 13.128 resulting in 173 deaths and 17.153 injuries: an average of 1 death every 2 days and 47 injuries each day.

The aim is therefore to carry out the program “Vision Zero” elaborated by the City Administration. The goal is to mobilize citizens and institutions in order to reduce accidents with the ambitious vision of reaching 0 deaths or injuries due to urban street accidents.



MEXICO

X ROAD ENGINEERING SEMINAR: MEXICO AND ITS GREAT TRANSPORT INFRASTRUCTURE PROJECTS

26th – 29th July, 2017. Villahermosa, Mexico.

This magnificent event gathered three conference speakers, eight national and international panelists, and 1,300 attendees. The presentations given by the experts were: 1) Road infrastructure in Mexico, 2) Road safety on Mexico’s transport infrastructure, 3) Railway Infrastructure as an alternative to mass transit of passengers in Mexico; Intercity train México – Toluca, and Guadalajara’s Light rail, 4) Challenges and solutions of Mexico City's New International Airport, 5) Current status and prospects of Tabasco’s transport infrastructure, 6) History and planning process of A19 Ardenay – Courtenay highway in France, and 7) Ports, core for a logistics platform.



Raúl González Apaolaza, Infrastructure Corporate director of Mexico City's New International Airport.

A technical visit was included in the itinerary to the Villahermosa's ring road, which brought together 300 attendees. The objective of this visit was shown in operation the new road safety technologies installed on this road.

The X Road Engineering Seminar address the importance of Mexico's transport infrastructure projects and their national and international influence. This infrastructure allows to reduce transport costs through a safety and sustainable manner and fostering social and economic development.

PIARC INTERNATIONAL SEMINAR: GLOBAL APPROACHES ON SUSTAINABLE PAVEMENTS

21th – 22th August, 2017. Cancún, Mexico.

This PIARC International Seminar had the participation of 120 attendees from Australia, Belgium, Brazil, Canada, Colombia, Estonia, France, Germany, Japan, Mali, Mexico, Peru, Slovakia, South Africa, and U.S.A.



Session during the PIARC International Seminar: Global approaches on sustainable pavements

Five sessions were integrated during the event, 1) Pavement Innovations, 2) Green solutions and sustainable pavement materials, 3) Low-cost pavement systems, 4) Non-destructive pavement monitoring and testing techniques, and 5) Use of pavement survey data for design and management. Furthermore, two round tables were settled: Climate change and sustainable pavements, and Public policies for sustainable pavements.

COURSE – WORKSHOP DESIGN WITH GEOSYNTHETICS

31th August, 2017. Cd Victoria, Tamaulipas.

The delegation of the NC in Tamaulipas state organized this course – workshop which address the next topics: 1) Introduction to geogrids, 2) Roads reinforcement with geogrids, 3) Design and improvement of dirt-roads, 4) Introduction to *SpectraPave4* software, 5) Reinforced flexible pavements design, and 6) Reinforcement of asphalt layers. Professionals, land routes experts and students, attended to this event.

Vías Terrestres Magazine

The edition No. 48 (July – August) of our magazine *Vías Terrestres*: “Total seismic isolation”, contains the article of the first viaduct in Mexico with total seismic isolation, in the second level of the Mexico – Puebla highway; this structure includes state of the art seismic-resistant technology. Moreover, this magazine edition includes the articles Mexican experiences on road safety audits, Traffic operation and road safety on work-zone roads, and others.

The 49th edition (September – October) includes the chosen solution to the construction of Mexico City's New International Airport. This solution involves constructive methods and the preloading foundation technique; as it brings the best performance regarding the soil conditions in the work area. Additionally, the publication contains the articles: Braess paradox and transport networks, and, Stabilization and improvements of rural roads using calcium oxide.



all editions of the Vías Terrestres Magazine are available on our website:

www.amivtac.org/esp/1/vias-terrestres



SPAIN

Technical Conference: Sustainable Asphalt Solutions Adapted to Climate Change for Low Volume Roads.

Valladolid, 3 October, 2017. Venue: Development and Environmental Department of the Castilla y León Regional Government.

One of the most recent concerns in all economic sectors is to make their processes more environmentally friendly.

In relation to the road construction and maintenance there are several aspects to be taken into account in order to achieve these environmental improvements, such as to undertake actions with efficiency criteria, reduction of temperatures, re-use of materials...

The use of technical tools to optimize the sustainable asphalt solutions adapted to climate change is essential to reach such efficiency, in terms of performance and environmental protection. On the other hand, it is necessary to have a modern road management and maintenance, adapted to the peculiarities of each network.



On the current Spanish road network, at least 70% of the roads, excluding the urban road network, fall under the criterion of low traffic intensity ($\leq 2,000$ – ADT: Average/Daily/Traffic). The objective of this Conference is to present a comprehensive proposal for the use of specifications and general prescriptions adapted to the European regulations in force.

CEDR-DIRCAIBEA Workshop – to be held in Madrid on 4 October, 2017

The 29th CEDR Governing Board Meeting (Conference of European Directors of Roads) will take place in Madrid on 4-6 October 2017, at the NH Collection Madrid Eurobuilding Hotel, and will be organized with a joint Workshop with the Council of Directors of Roads from Iberia and Ibero-America (DIRCAIBEA) on 4 October, followed by a CEDR-DIRCAIBEA dinner in the evening. A Technical Visit and a Tour for accompanying persons are included in the program.

The main items of the Workshop CEDR-DIRCAIBEA will be: Financial Management of Low-Cost Solutions, Innovation and Connected Driving Effects.

Patrick Malléjacq, PIARC Secretary General, will present PIARC work on Road Safety during this joint Workshop: “Road Safety, a continuous challenge”.

RUTAS Magazine

Number 171 (April-June 2017) of our quarterly RUTAS Magazine has been released.



We offer the possibility of downloading our RUTAS Magazine in digital format from our website: www.atc-piarc.com

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

World Road Association Congresses



More information: <http://aipcrgdansk2018.org>



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