

Rapport d'activités des CN 2013

2013 Activity Report of NCs

RÉSUMÉ

SUMMARY

Article / Question Item / Question

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1. Information générale

1. General information

Pays

ESPAÑA (Espagne)

Country

SPAIN

Nom du CN

Comité Nacional Español de AIPCR/PIARC

Name of NC

PIARC Spanish National Committee

Président du CN

Mr. Roberto Alberola

Chairman of NC

Mr. Roberto Alberola

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Secrétaire générale du CN

Mrs Belén Monercillo Delgado

Secretary of NC

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E-mail du président et du secrétariat de la NC	E-Mail address of Chairman and secretariat of NC
info@atc-piarc.com info@atc-piarc.com	info@atc-piarc.com info@atc-piarc.com
Nombre the membres individuels / collectifs	Number of individual / collective members
78 individual members /155 collective members	
Organisation et structure	Organisation and structure
<p>The Technical Road Association – (Asociación Técnica de Carreteras – ATC) provides secretariat services to PIARC Spanish National Committee .</p> <p>ATC has 21 National Committees, 11 active, with approximately 40 members per committee. They must support international members and study interesting themes in Spain.</p>	
2. Conférences, séminaires, réunions des CT en 2013	2. Conferences, Seminars, TC meetings in 2013

Organisation des CN: nationale/internationale	Organisation by NCs: national/international
<u>Attendance courses</u>	
Technical Conference on Improvement of Road Safety for Existing Bridges 21st February 2013, Madrid, Spain	
Technical Conference on latest Technologies Applied to Concrete Roads 6th March 2013, Valladolid, Spain	
Course on Control Center Operators of Road Tunnels 17 th June 2013, Madrid, Spain	
Course on Pavements, Materials, Design and Rehabilitation 30th September 2013, Madrid, Spain	
Course on Geotechnical Maintenance of Road works 30th September 2013, Madrid, Spain	
Technical Conference on Road Maintenance 22nd October 2013, Madrid, Spain	
Course on Highway Development and Management (HDM 4) System - version 2 Organized by the Technical Road Association-ATC and the Mexican Institute of Transport 25, 26, 27, 28 and 29 November 2013, Madrid, Spain	
<u>Online courses</u>	
Online Course on Professional Expert on Pavements of Civil Works The Spanish National Committee has launched an online edition for South America of the Course on Professional Expert on Pavements of Civil Works – 2013 and 2014	
Online Conference on 12 Lessons of Geotechnics and Earthworks - 2013	
Online Course on Slope Stability Evaluation by Limit Equilibrium Methods - 2013	
Online Course on Geotechnical Maintenance of Road Works – 2013	
Online Course on Improvement of Road Safety and Maintenance for Existing Bridges - 2013	
Online Course on latest Technologies Applied to Concrete Roads - 2013	
Online Course on Highway Capacity Manual 2010 – 2013 and 2014	
Online Course on Graphic Processing of Information in Civil Engineering Projects - 2013	
<u>Certification process during 2013</u>	
<ul style="list-style-type: none"> - Inspectors of bridges and viaducts in linear infrastructures - Control Center Operators of Road Tunnels 	

Travail conjoint avec d'autres organisations nationales	Joint organisation with other national institutions

Travail conjoint avec d'autres CN	Joint organisation with other NC

Réunions des CT	TC meetings
Meetings of the PIARC International Technical Committees held in Madrid:	
<ul style="list-style-type: none"> 1- Technical Committee TC 3.3 – Road Tunnel Operation – Working Group 2: Feedback and Experience on 29 January, 2013 2- Technical Committee C 3.3 Road Tunnel Operations - Working Group 4: Fire Safety (FFFS) on 16th and 17th September, 2013 	
The Spanish National Committees meet 3 or 4 times a year.	

3. Publications en 2013	3. Publications in 2013
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Publications nationales, rapports	National publications, reports
A book has been published with the title: Improvement of Road Safety for Existing Bridges .	
This volume brings together the lectures presented at the Conference on Improvement of Road Safety for Existing Bridges held on 21st February 2013, in Madrid, Spain	

Articles dans Routes/Roads	Articles in Routes/Roads

Bulletin national ou revue des CN	National newsletter or magazine of NCs
<p>The Spanish National Committee – (Asociación Técnica de Carreteras - Technical Road Association) publishes a quarterly magazine, RUTAS (in Spanish language), which is sent to its members.</p> <p>A Monographic Issue of RUTAS Magazine has been published in 2013, with the title “The Technical Road Association in the Spanish Road Infrastructures”</p> <p>The Spanish National Committee has created a new space on its website which offers the possibility of downloading the magazine in digital format. This service is very useful for South – American countries.</p>	

4. Soutien aux premiers délégués **4. Support to First Delegates**

Nomination des membres des CT	Nomination of TC members
Spain is represented in 18 of the 19 Technical Committees with 36 delegates	

Enquêtes et sondages	Surveys and questionnaires
A survey has been distributed to delegates during each event organized by the PIARC Spanish National Committee (Conferences, courses, etc). Until now the Spanish NC activities are obtaining outstanding marks.	

5. Congrès de l’AIPCR **5. PIARC Congresses**

Congrès international de la Viabilité hivernale, Andorre 2014 (participation, préparation)	2014 Winter Road Congress, Andorra (participation, preparation)
RUTAS Magazine is following up the organization of this event in order to inform periodically to prospective attendees.	

Congrès mondial de la route, Séoul 2015 (participation, préparation)	2015 World Road Congress, Seoul (participation, preparation)

6. Autres activités en 2013 **6. Other activities in 2013**

Assemblée générale, réunions avec les membres des CT, rencontres avec d'autres organisations nationales	General Assembly, meetings with TC members, meetings with other national organisations
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On 5 June, 2013 took place The Board Meeting and The General Assembly.
On 26 November, 2013 The Board Meeting was held.

The Board meets twice each year.

Relations internationales	International relations
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The PIARC Spanish National Committee organized the Seminar "The Spanish engineering development in the last two decades: an exportable experience" from 22 to 24 May, 2013, in Madrid, coinciding with the XXVII Meeting of Director from Iberia and Latin America Roads (DIRCAIBEA)

Promotion de l'AIPCR	Promotion of PIARC
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A new section has been introduced in RUTAS Magazine about the PIARC history, objectives, mission and functions.

See RUTAS issue nr. 154 and 155 (first and second part, covering the PIARC history up to 1964)

Site Internet des CN	NCs' website
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<http://www.atc-piarc.com>
<http://www.congresosatcpiarc.es>

Autres choses	Other business
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RAPPORT DÉTAILLÉ SUR DES POINTS CULMINANTS

DETAILED REPORT ON HIGHLIGHTS

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SPAIN

Attendance courses

Technical Conference on Improvement of Road Safety for Existing Bridges

21st February 2013, Madrid, Spain



This conference was aimed at professionals related with bridges, containment systems, maintenance and management of linear infrastructure. It aimed to share knowledge and point of views among experts manufacturing sector containment elements and design, construction and maintenance of bridges, as well as administrations or concessionaires. Attendees also received a book with the title: Improvement of Road Safety for Existing Bridges.



Technical Conference on latest Technologies Applied to Concrete Roads

6th March 2013, Valladolid, Spain

Concrete roads have always been identified with the concept of durability, low maintenance and a longer life. Apart from these features there are other characteristics that worth mentioning: it is a technique linked to sustainability, resulting from the use of local natural resources and its ability to be a recyclable material. Concrete roads helps to achieve a high level of comfort and safety on the road, lower lighting costs or a reduction in CO2 emissions (even capturing and improving the balance of emissions). Its lighter surface reduces the greenhouse effect, contributing to global cooling (Albedo effect). Although the construction costs may result in certain cases slightly higher than those of other solutions, a complete analysis shows that, by their reduced maintenance costs, concrete roads are the best solution in the medium and long term.

Course on Control Center Operators of Road Tunnels17th June 2013, Madrid, Spain

This course was aimed at staff working in the control room.

Course on Pavements, Materials, Design and Rehabilitation

30th September 2013, Madrid, Spain

This course was focused on the aspects to be considered in the use and application of materials, machinery and procedures, the traditional and commonly used, as well as the new ones.

Course on Geotechnical Maintenance of Road works

30th September 2013, Madrid, Spain

This 50 hours course was aimed at professionals involved in geotechnical aspects, maintenance and repair of road infrastructures: Technical Engineers, Graduates in Geology and Geological Engineering, Civil Engineers, etc.

Technical Conference on Road Maintenance

22nd October 2013, Madrid, Spain

This technical conference was held in Madrid and has been attended by more than 400 professionals interested in Road Maintenance.

**Course on Highway Development and Management (HDM 4) System - version 2
Organized by the Technical Road Association-ATC and the Mexican Institute of Transport**

25, 26, 27, 28 and 29 November 2013, Madrid, Spain

The Highway Design and Maintenance Standards Model (HDM-III), developed by the World Bank at the beginning of the 80's, has been used for over two decades to combine technical and economic appraisal of road investment projects, standards and strategies. The Highway Development and Management (HDM 4) system developed in 1994-2000 has extended the scope of the HDM-III model to provide a harmonized systems approach to road management with adaptable and user-friendly software tools.

Online courses**Online Course on Professional Expert on Pavements of Civil Works Road – open during 2013 and 2014**

The Spanish National Committee has launched an online edition of the *Course on Road Surfaces, Materials, Design and Rehabilitation* for South America with great success. With 12 European Credit Transfer System Credits (ECTS credits) duration, students who finished the course, will receive a certificate of achievement awarded by the PIARC Spanish National Committee.



Online Conference on 12 Lessons of Geotechnics and Earthworks - 2013

The content of this Conference covered a broad overview of Geotechnics and Earthworks. It has been hosted by Mr. Carlos Oteo - Chair of the Spanish Road Geotechnical Committee

Online Conference on Slope Stability Evaluation by Limit Equilibrium Methods - 2013

The first part of the course was a theoretical lecture, a review of the basic concepts of the Filtration theory and limit equilibrium methods, necessary for its application in slope stability calculations.

Then, the content has been focused on the practical application of GEOSTUDIO™ software package, with the teachers' support.

The last part of the course has been a practical exercise to be resolved by the student in the following weeks and finally evaluated by the teachers. At the beginning of the course, students have been provided with a quick guide for using the GEOSTUDIO™ package.

There were different forums and students had the opportunity to make inquiries directly to the Technical Director.

Online Course on Improvement of Road Safety for Existing Bridges - 2013

This online course was aimed at professionals related with bridges, containment systems, maintenance and management of linear infrastructure.

Online Course on Graphic Processing of Information in Civil Engineering Projects - 2013**Online Course on latest Technologies Applied to Concrete Roads – 2013****Online Course on Highway Capacity Manual 2010 - open during 2013 and 2014**

The Highway Capacity Manual 2010 is a complete renovation of the traffic engineering. The HCM2010 has been split into four volumes:

Volume 1 – Concepts;

Volume 2 - Uninterrupted Flow;

Volume 3 - Interrupted Flow; and

Volume 4 - Applications Guide (a virtual one)

It aimed to give an overview of the changes, stressing the difference between service level and quality of service as well as other important updates.

There was a workshop directed by: Manuel Romana (Technical Director of this course)

Certification process during 2013**- Inspectors of bridges and viaducts in linear infrastructures**

This certification is aimed at engineers from companies and Public Administrations with a minimum of 2 years experience as inspectors of viaducts and/or civil engineering structures, dedicated to management, maintenance and operation of road infrastructures.

- Control Center operators of Road Tunnels

This certification is aimed at staff working in the Road Tunnels Control Room.

For more information, please consult our website: www.atc-piarc.com