

Rapport d'activités des CN 2009**2009 Activity Report of NCs****RÉSUMÉ****SUMMARY**

Article / Question	Item / Question
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1. Information générale**1. General information**

Pays	Country
España (Spain - Espagne)	

Nom du CN	Name of NC
Comité Nacional Español de la AIPCR	PIARC Spanish National Committee

Président du CN	Chairman of NC
<p>Mr. Roberto Alberola García</p> <p>Asociación Técnica de Carreteras c/ Monte Esquinza, 24 - 4º Dcha. 28010 MADRID</p> <p>Tel : +34 91 308 23 18</p> <p>Fax : +34 91 308 23 19</p> <p>E-mail : info@atc-piarc.com</p> <p>WEB: http://www.atc-piarc.com/</p>	

Secrétaire du CN	Secretary of NC
<p>Mr. Francisco Caffarena Laporta</p> <p>Asociación Técnica de Carreteras c/ Monte Esquinza, 24 - 4º Dcha. 28010 MADRID</p> <p>Tel : +34 91 308 23 18</p> <p>Fax : +34 91 308 23 19</p> <p>E-mail : info@atc-piarc.com</p> <p>WEB: http://www.atc-piarc.com/</p>	

Nombre the membres collectifs / individuels	Number of individual / collective members
107 individual members / 186 collective members	

Organisation et structure**Organisation and structure**

The Technical Road Association - ATC (Asociación Técnica de Carreteras - ATC) provides the secretariat for the Spanish National Committee of PIARC.

ATC has 20 national committees, 12 active, with approximately 30 members per committee. They must support international members as well as studying interesting themes in Spain.

2. Conferences, seminaires, réunions des CT en 2009**2. Conferences, Seminars, TC meetings in 2009****Organisation des CN: nationale/internationale****Organisation by NCs: national/international**

Jornada sobre Optimización en la gestión de Carreteras (Seminar on Optimization in the Road Management) Madrid, 7th November 2008. 119 delegates attended the seminar

Jornada sobre diseño y construcción de muros de escollera y ecológicos (Seminar on design and construction of rock walls and green walls). Oviedo 17th november 2008. 156 delegates attended the seminar.

Jornada técnica sobre Mezclas Bituminosas (Conference of bituminous mixtures) Madrid, 11th January 2009. 456 delegates attended the seminar.

Jornada Técnica sobre Cimentaciones Singulares de Puentes (Conference of Singular Bridges Foundations) A Coruña 22th April 2009. 160 delegates attended the seminar.

Jornada Técnica sobre Diseño y concepcion de puentes de carretera: estetica, eficiencia e innovacion.(Conference of design of road bridges, efficiency, aesthetics and innovation) Madrid 20th May 2009. 196 delegates attended the seminar.

During 2009 the following events will be organized

Simposio Técnico sobre Prefisuración de capas tratadas con cemento (Technical Symposium on prefissuration of cement-treated layers) Madrid, September 29, 2009

Jornada Técnica sobre Explotación de Carreteras y Medioambiente : Un enfoque integrado (Seminar on operation of highways and the environment:- An integrated approach). Madrid 22 October 2009.

Jornada Técnica sobre lechadas bituminosas y microaglomerados en frío. (Seminar on groups bituminous and micro agglomerates in cold) Madrid, 29 de October de 2009.

During 2010 the following events will be organized

V Simposio de Túneles Fifth Symposium on Road Tunnel 24-26 February 2010 in Bilbao

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
TC D.4 Technical committee D.4 (Geotechnics and Unpaved Roads) October 6 2008 Madrid	
TC B.5 Technical Committee B.5 Winter Services 3rd Meeting: 11-13 March 2009 (Madrid)	
TC C.4 Technical Committee C4 – Road Tunnel Operations 3th Meeting : 25 – 27 march 2009 Madrid (Spain)	

3. Publications en 2009	3. Publications in 2009
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Publications nationales, rapports	National publications, reports
Book stating lectures on the Seminar on design and construction of rock walls and green walls, 22 th april 2009.	
Book stating lectures on Conference of bituminous mixtures. 11th January 2009	
Book stating lectures on Conference of Singular Bridges Foundations. A Coruña 22th April 2009.	
Book stating lectures on Conference of design of road bridges, efficiency, aesthetics and innovation) Madrid 20th May 2009.	

Articles dans Routes/Roads	Articles in Routes / Roads

Bulletin national ou revue des CN	National newsletter or magazine of NCs
The Spanish National Committee publishes a bimonthly magazine, Rutas (Routes in Spanish language), which is sent to ATC members and to several Latin-American countries.	

4. Soutien aux premiers délégués	4. Support to First Delegates
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Nomination des membres des CT	Nomination of TC members
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Spain is represented in 19 of the 20 Technical Committees with 39 delegates	
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Enquêtes et sondages	Surveys and questionnaires
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A survey has been distributed to delegates during each event. Until now the Spanish NC activity is obtaining outstanding marks	
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5. Congrès de l'AIPCR	5. PIARC Congresses
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Congrès international de la Viabilité hivernale, Québec 2010 (participation, préparation)	2010 Winter Road Congress Québec (participation, preparation)
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6. Autres activités en 2009	6. Other activities in 2009
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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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The General Assembly took place on the 29 th June 2009	
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Relations internationales	International relations
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Promotion de l'AIPCR	Promotion of PIARC
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Site Internet des CN	NCs´ website
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http://www.atc-piarc.com/	
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Autres choses	Other business

Les activités liées au centenaire de l'AIPCR 1909 – 2009	Activities related to the centenary of PIARC 1909 – 2009

RAPPORT DÉTAILLÉ SUR DES POINTS CULMINANTS **DETAILED REPORT ON HIGHLIGHTS**

Seminar on Optimization in the Road Management. Madrid, 7th November 2008. 119 delegates attended the seminar.



This event summarized the optimization in the road and infrastructures management, quality and security.

Seminar on design and construction of rock walls and green walls. Oviedo 17th november 2008. 156 delegates attended the seminar.

 A vertical poster for a seminar. The top part features a photograph of a stone wall. The text on the poster includes:

- JORNADA SOBRE** (Event on)
- DE MUROS DE ESCOLLERA Y ECOLÓGICOS** (of retaining and ecological walls)
- DISEÑO Y CONSTRUCCIÓN** (Design and Construction) - written vertically on a green background.
- OVIEDO** and **17 de Noviembre de 2008** (November 17, 2008)
- Organiza:** COMITÉ DE GEOTECNIA VIAL DE LA A.T.C.
- Promueve:**
 - GOBIERNO DE ESPAÑA, MINISTERIO DE FOMENTO
 - GOBIERNO DE CANTABRIA, DEPARTAMENTO DE OBRAS PÚBLICAS Y PUERTOS
 - asociación técnica de carreteras (technical association of roads), comité español de la asociación mundial de carreteras (Spanish committee of the World Road Association)
 - WORLD ROAD ASSOCIATION MONDIALE DE LA ROUTE

The Spanish National Committee organized this event on the design and construction of ecological and riprap walls, the recent publication of the "Guide for the Design and Implementation of riprap walls Road works" was dissected.

Following the tradition of our conferences, a new publication was edited by the Spanish National Committee

CONFERENCE OF BITUMINOUS MIXTURES **Madrid, 11th January 2009**

Last 11 January 2009, the Road Pavements Technical Committee, has gathered in Madrid 456 road professionals during the Conference of Bituminous Mixtures. This conference is convened following the recent publication of the Circular Order 24/2008, signed on July 30, 2008. This Order goes to the technicians of the administration, manufacturers of bituminous mixtures, builders, consultants and materials testing laboratories, as affecting all the latest changes in legislation.

Following the tradition of our conferences, a new publication was edited by the Spanish National Committee



Conference of Singular Bridges Foundations **A Coruña 22th April 2009**

Under the name "Singular Bridges Foundations", the Geotechnics Technical Committee of the Technical Association of Roads, Spanish National Committee of PIARC, has organised last 22 April in A Coruña, a conference gathering more than 160 professionals.

The day is aimed at all professionals-on design, construction and maintenance of bridges. It includes the ability to offer some free communications on these issues.

Following the tradition of our conferences, a new publication was edited by the Spanish National Committee



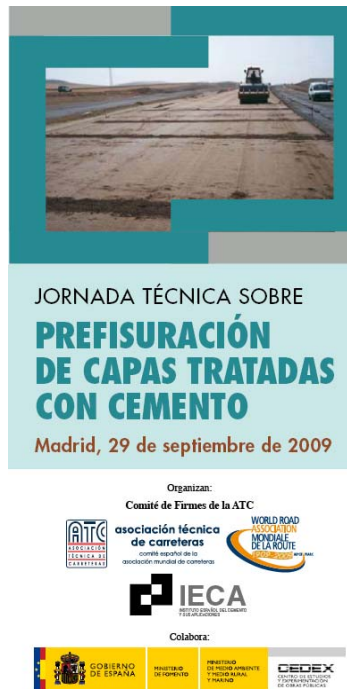
**Conference of design of road bridges, efficiency, aesthetics and innovation
Madrid 20th May 2009**

This Conference has been organized with the aim of disseminating the most recent information in conception and design of bridges and insist on the latest regulations. Particular importance for innovation, new materials also charged in the execution of road bridges. For this reason we describe some progress in this direction in our country and also abroad. The Spanish National Committee will edit a new publication following the tradition of our conferences.



During 2009 the following events will be organized

Technical Symposium on prefissuration of cement-treated layers
 Madrid, September 29, 2009



It was considered appropriate therefore to organize this event, during which the prefissuration of cement-treated layers, normative and available methods will be summarize and several road professionals will present their practical experiences . Economic and technical aspects of prefissuración will be discussed.

The Technical Road Pavements of the Spanish National Committee and the Spanish Institute of Cement and its Applications (IECA), event organizers, are confident that it will be useful for all those interested in the firm with layers treated with cement, which are currently the most widely used for important traffic on Spanish roads.

**Seminar on operation of highways and the environment
- An integrated approach**
22 October 2009 in Madrid



The aim of this congress is that, regardless of the complexity of conceptual issues and the diversity and lack of systematization of the experiences that are available to support the decisions, we can develop a methodology as to collect and process the information that allows us to normalize the guide lines in case of conflict between road and environmental values in a similar way to what are other areas of road management, such as road traffic and road maintenance.

Seminar on groups bituminous and micro agglomerates in cold

Madrid, 29 de October de 2009



The event will analyze the date overview of this technique in Spain, the materials used, the way forward and the manufacturing and commissioning works . It also discusses the new Article 540 of the current PG-3, which should be updated following the new rules laid down in

European Standard BS EN 12,273 and 12,274.

The event is aimed at technicians either Administration responsible for roads and paved surfaces in Spain, as well as Consultants and Material Testing Laboratories, which directly affects the new rules as a result of the CE-mark of groups bituminous for (January 2010), entered into force and become binding as of that date.

This event is also designed for all the Spanish construction companies and manufacturers, they should know in detail the technique of resurfacing of pavements for use as road maintenance treatment of excellent features and very good value money.

During 2010 the following events will be organized

Fifth Symposium on Road Tunnel

24-26 February 2010 in Bilbao



The Spanish National Committee (Asociación Técnica de Carreteras) is organizing the V Symposium on Road Tunnel under the title: "Security for the tunnels of the XXI century" which will take place in February 2010 in the city of Bilbao where currently some very important works are being implemented including the construction of five tunnels.

The following topics will be analyzed:

- Risk analysis
- Managers at different stages
- Ventilation systems
- Fire control
- Suppression Systems
- Repair and rehabilitation
- Pavements
- Contingency plans and security. Drills
- Operating Manual
- The integration and standardization of facilities and equipment
- Free papers

Information at: www.atc-piarc.com