**RÉSUMÉ**

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<tr>
<th>Article / Question</th>
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**1. Information générale**

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<tr>
<th>Pays</th>
<th>Country</th>
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<tr>
<td>España (- Espagne)</td>
<td>Spain</td>
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<table>
<thead>
<tr>
<th>Nom du CN</th>
<th>Name of NC</th>
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<tbody>
<tr>
<td>Comité Nacional Español de la AIPCR</td>
<td>PIARC Spanish National Committee</td>
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<table>
<thead>
<tr>
<th>Président du CN</th>
<th>Chairman of NC</th>
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<tr>
<td><strong>Mr. Roberto Alberola García</strong></td>
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<tr>
<td>Asociación Técnica de Carreteras</td>
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<tr>
<td>c/ Monte Esquinza, 24 - 4º Dcha.</td>
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<tr>
<td>28010 MADRID</td>
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<tr>
<td>Tel : +34 91 308 23 18</td>
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<tr>
<td>Fax : +34 91 308 23 19</td>
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<tr>
<td>E-mail : <a href="mailto:info@atc-piarc.com">info@atc-piarc.com</a></td>
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<tr>
<th>Secrétaire du CN</th>
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<td><strong>Mr. Francisco Caffarena Laporta</strong></td>
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<tr>
<th>Nombre the membres collectifs / individuels</th>
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<tbody>
<tr>
<td>102 individual members / 194 collective members</td>
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### Organisation et 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 2010

#### Organisation des CN: nationale/internationale

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

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

- **Seminar on groups bituminous and micro agglomerates in cold**
  Madrid, 29 October 2009

- **Fifth Symposium on Road Tunnel**
  24-26 February 2010 in Bilbao

- **Conference of Singular Bridges Foundations**
  A Coruña 23th March 2010

- **Technical workshop on median barriers and margins**
  Madrid, April 29, 2010

- **MEXICO, INFRASTRUCTURE PLAN AND XXIV WORLD ROAD CONGRESS 2011**
  Madrid, May 24, 2010 - 11:30 h

### 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

**A-3, “Rural Road Systems and Accessibility to Rural Areas”**  
Madrid. CEDEX 25th February 2010

**D.1 “Management of Assets”**  
7-9 April 2010, Murcia

**Finance Commission of PIARC**  
Madrid 26, 27 April 2010

### 3. Publications en 2010  
3. Publications in 2010

<table>
<thead>
<tr>
<th>Publications nationales, rapports</th>
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<tr>
<td>Book stating lectures on <strong>Technical Symposium on prefissuration of cement-treated layers</strong></td>
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### 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.  
The Spanish National Committee has created a new space on its website which offers the possibility of downloading the magazine in digital format.
4. Support to First Delegates

Nomination of TC members

Spain is represented in 19 of the 20 Technical Committees with 39 delegates

Surveys and questionnaires

A survey has been distributed to delegates during each event. Until now the Spanish NC activity is obtaining outstanding marks

5. PIARC Congresses

2011 World Road Congress, Mexico City (participation, preparation)

This event has been organized in Madrid

MEXICO, INFRASTRUCTURE PLAN AND XXIV WORLD ROAD CONGRESS 2011
Madrid, May 24, 2010 - 11:30 h

6. Other activities in 2010

General Assembly, meetings with TC members, meetings with other national organisations

The General Assembly took place on the 28th June 2010

International relations

Promotion of PIARC
### Site Internet des CN  
NCs´ website

http://www.atc-piarc.com/

http://www.congresosatc-piarc.es

### Autres choses  
Other business
Developed initially in countries like France and Germany, pre-fissuring started in Spain in the 80s of last century. However, it has been since 2002 when it has experienced a very important impulse in our country as, according to the standard Norm 6.1-IC, it has became mandatory for higher traffic categories. In these seven years many roads have been pre-fissured depending on several Road Administrations, sometimes using originally methods developed in other countries and sometimes using some methods developed directly by the contractors. Therefore it was considered appropriate to organize this Conference, on one hand as to explain the objectives, regulations and available methods, and on the other hand as an exposition of practical experiences. A round table was dedicated to discuss the economic and technical aspects of the road pavements.
The Road Pavement Committee and the Spanish Institute of Cement and its Applications (IECA), organizers of this Conference, are confident that it will be useful for all those interested in the road pavement layers treated with cement, which are currently the most widely used on the Spanish roads.

**Conference on Road Management and Environment**

Madrid, October 22, 2009

Held in the Assembly Hall of the Studies Center for Applied Technologies, CEDEX

The purpose of this meeting was to implement a methodology for collecting and processing information to normalize action patterns in case of conflict between road and environmental values in a similar way as in other fields of road management, such as traffic or maintenance.
Technical Conference on Slurry and cold microsurfacing system,
Madrid, October 29, 2009
Held in the Assembly Hall of the Studies Center for Applied Technologies, CEDEX

An overview of this technique in Spain has been analyzed, as well as the materials used, the prospects and means of production and future prospects, and also 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 and the benefits in respect of such treatment, especially for improving the surface characteristics (texture and slip resistance) of pavements. This Conference has been a platform for responsible of Road Administrations, for Consultants and Material Testing Laboratories. It was also addressed to all Spanish construction companies and manufacturers, as all of them should know in detail this technique of excellent features and very good value for money.
The V Symposium of Tunnels under the heading "Security for the tunnels of the XXI century"
will take place on 24, 25 and 26 February 2010 in the Euskalduna Palace in Bilbao.

With the Royal Decree 635/2006 of 26 May about a minimum of safety requirements in road tunnels, it becomes mandatory for all tunnels in project, under construction and in service, to comply with the new rules that represent a new culture in the engineering of tunnels. Therefore periodic drills are required.

Thus we need to open a debate with the Head of Security, Director of Operation and Inspection Agencies as to clarify ideas for all new concepts that have been put on the table. Lastly, we shall also need to establish a discussion forum in relation to risk analysis provided in the decree and its methodology. This risk analysis should take into account all factors that affect the tunnel security.

To address these issues, the Spanish National Committee organizes the V Symposium
under the heading "Security for the tunnels of the XXI century" to be held in February 2010 in the city of Bilbao, where the works of the Metropolitan South Variant has been started including the bitube construction of six tunnels with a total length exceeding 11 x 2 km.

More information:
www.congresosatcpiarc.es
www.atc-piarc.com

Conference of Singular Bridges Foundations
A Coruña 23th march 2010

Under the name “Singular Bridges Foundations”, the Technical Committee on Geotechnics of the Technical Association of Roads, Spanish National Committee of PIARC, is organizing the second call of this conference because of the success it had in the first call in A Coruña on 22 April 2009

The day will aim to collect impressions of professionals on design, construction and maintenance of bridges. It includes the ability to offer some free communications on these issues.

Following the tradition of the conferences, a new publication will be edited by the Spanish National Committee.
Technical workshop on median barriers and margins
Madrid, April 29, 2010

MEXICO, INFRASTRUCTURE PLAN AND XXIV WORLD ROAD CONGRESS 2011
Madrid, May 24, 2010 - 11:30 h

MÉXICO, SU PLAN DE INFRAESTRUCTURAS Y EL XXIV CONGRESO MUNDIAL DE CARRETERAS DE 2011
24 de mayo de 2010 - 11:30 h
Colegio de Ingenieros de Caminos, Canales y Puertos de Madrid
Sala Agustín de Betancourt, C/ Almagro, 42, 28010 Madrid

Invitación
Se ruega confirmar asistencia al teléfono de la ATC: 91 308 23 18