

Association
mondiale
de la Route



World Road
Association

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October 2004 – September 2005

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1 A message from the President

When I assumed the Presidency at the beginning of this year, I inherited a strong, vibrant and growing association, held in high regard by the international road and road transport community, filled with enthusiasm and commitment from its members, and delivering valuable outputs and products. For this, we must thank my predecessor, Olivier Michaud, and all his colleagues who served during the previous four years with vision and energy.

Yet, as time moves on, there are always new challenges to meet. In my address to the Council in Montpellier last year, following my election as President, I outlined some of the major challenges that PIARC should address during the term of my Presidency. These include:

- maintaining the momentum in the excellent and all-important work of the Technical Committees in accordance with the Strategic Plan to meet real needs of members
- enhancing the effectiveness of information gathering, dissemination and exchange, as the world and PIARC move increasingly to embrace electronic media
- raising the profile and involvement in PIARC of developing countries and countries in transition through strong support for the endeavours of the new Technological Development and Exchanges Commission
- increasing membership, lifting the level of activity and involvement of current members and developing closer relationships with relevant international organisations, through the activities of the new, specially appointed, one-term International Relations Commission.

In addition, it was clear that we would need to review the income and expenditure of PIARC with a view to arresting a long-term, slow decline in the Association's financial resources. Indeed, my predecessor alluded to this in his message covering last year's Annual Report.

I am pleased to be able to report that, after not yet one year, excellent progress is being made in all these areas:

The work of all Technical Committees is well underway, proceeding vigorously in most cases, with working groups established to address each of the assigned issues under the Strategic Plan. Cross Committee coordination, where relevant, is good, as are relationships with external bodies, and the needs of developing countries are being given proper consideration in all work programs. The achievement of quality outputs seems assured.

A concern, however, is the weakness of representation on some Committees from some key regions of the world. The longer term causes of this are being addressed by the International Relations Commission and the Technological Development and Exchanges Commission.

The Communications Commission is working to an ambitious plan focussed on the dissemination of outputs, including assistance to Technical Committees with the structuring and presentation of their outputs, a revamped Routes/Roads magazine, a gradual move towards electronic publication of all Technical Committee outputs, and greater and improved use of National Committees for gathering and disseminating information.

In regard to National Committees, I am pleased to see that they are growing strongly and becoming more active in forming the communication bridge between professionals and administrators in their countries and PIARC and its Technical Committees.

The Technological Exchanges and Development Commission also has an ambitious action plan that has already seen the development of an extensive seminar program involving developing countries and countries in transition. Their plan includes development of an improved approach for the Technology Transfer Program to better ensure the sustainability and usefulness of Technology Transfer Centres. It also includes a review of all Technical Committee programs to ensure that the needs of developing countries and countries in transition are appropriately addressed, as mentioned above, and development of an on-line directory of professional training courses in PIARC member countries

In its attempt to attract increased membership and more active membership for PIARC, the International Relations Commission has prepared a program to build on the good relationship struck between PIARC and the Council of Iberian and Ibero-American Road Directors (DIRCAIBEA) and then to focus on strengthening the involvement of Eastern European countries. Relationships with East Asian countries are being progressively strengthened through closer ties with the Road Engineering Association of Asia and Australasia (REAAA), and of course the Council meeting in Beijing provides an opportunity to forge closer ties with East Asian countries in addition to China itself.

Finally, the Finance Commission has developed a set of proposals for Council approval in Beijing to address the financial situation of PIARC. The main elements of the proposals include modest and equitable membership subscription increases, in the case of some membership categories for the first time in ten years, and means to ensure increased net revenue from congresses.

2005 has been an active and progressive year for PIARC, with a great deal of good work carried out in a spirit of cooperation to reach commonly agreed goals. For this I am indebted to the Vice Presidents and all the members of an outstanding Executive Committee, to all the members of the Commissions, Technical Committees Chairs, Secretaries and members, first Delegates and National Committee representatives, and to countless others who have supported PIARC in so many ways.

Above all, however, I wish to thank our Secretary General, Jean-Francois Corté, and his staff and secondees in the Paris office, who have worked tirelessly and with dedication, and who have risen admirably to the demands and challenges placed upon them.

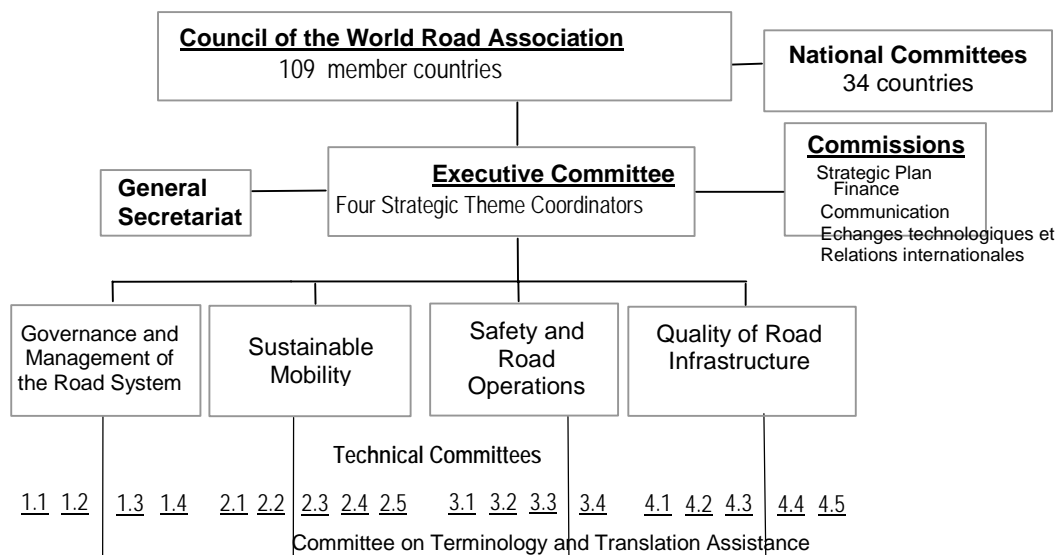
I believe 2005 has positioned PIARC well to achieve the goals and deliver the outputs called for in its Strategic Plan. I look forward to 2006, the mid-term year, when we will first have an International Winter Road Congress in Turin and Sestriere. Later in the year, we will start to see the shape of many of the planned outputs and we will start the process, through the Strategic Planning Commission, of identifying the issues that will determine the next Strategic Plan for the four years following the centenary Congress in Paris in 2007.

Colin Jordan
PIARC President

2 PIARC in 2005

2.1 Organisation

The World Road Association (PIARC), a non-profit organisation, was formed in 1909. PIARC is the oldest international association concerned with road policy, road technology and management of road networks. PIARC holds a unique place as an international forum for information exchange and discussion of all issues related to road infrastructure and transport. The current structure of the organisation is presented below.



PIARC Structure

2.2 Governing Bodies

The overall responsibility for the Association is in the hands of the World Road Association Council. At the Council meeting on September 29 2004 in Montpellier (France) 110 delegates representing 51 member countries were present.

The Executive Committee for the 2005-2008 period comprises the following membership:

- President: Colin JORDAN (Australia),
- Immediate Past President: Olivier MICHAUD (Switzerland),
- Vice-Presidents: Francisco CRIADO BALLESTEROS (Spain) and Anne-Marie LECLERC (Canada-Quebec).
- Members elected by the Council: Nazir ALLI (South Africa), David ANDERSON (Australia), Oscar de BUEN RICHKARDAY (Mexico), Ginny CLARKE (United Kingdom), Francisco CRIADO BALLESTEROS (Spain), Mario FERNANDEZ RODRIGUEZ (Chile), Ricardo FORMICA (Italy), Wolfgang HAHN (Germany), Keiichi INOUE (Japan), Eero KARJALUOTO (Finland), Anne-Marie LECLERC (Canada-Quebec), Gheorghe LUCACI (Romania), Carlo MARIOTTA (Switzerland), Jean-Mathieu MBAUCAUD (Congo), Charles NOTTINGHAM (United States), David T. OLODO (Benin), Julio Cesar ORDIZ ANDINO (Argentina), Patrice PARISÉ (France), Peter PENGAL (Slovenia), Claude Van ROOTEN (Belgium), Dato' Ir. Hj. ZAINI bin Omar (Malaysia).
- Jean-François Corté (Secretary General)

- At the meeting of the National Committees on September 30 2004 in Montpellier, Friedrich ZOTTER (Austria) was elected as the National Committees' representative on the Executive Committee.

Five Commissions assist the activities of the Executive Committee. The following Chairs were elected by the Committee from amongst its members in Montpellier on September 30 2004:

- Chair of the Strategic Planning Commission, Ginny CLARKE (United Kingdom)
- Chair of the Finance Commission, Carlo MARIOTTA (Switzerland)
- Chair of the Communications Commission, Claude Van ROOTEN (Belgium)
- Chair of the Technological Exchanges and Development Commission, Oscar De BUEN RICHKARDAY (Mexico)
- Chair of the International Relations Commission, Olivier MICHAUD (Switzerland).

2.3 Members

There are five categories of PIARC members: National Governments, regional authorities, collective members, individual members and honorary members.

In Montpellier, the Council accepted the membership requests of two new countries; *EL SALVADOR* and *AZERBAIJAN*. From 1 September 2005, PIARC member countries include **109 national member governments** from around the world. Approximately two thirds of the member countries are developing countries or countries in transition. There are approximately 2 000 other members (about half of which are individual members) from nearly 130 countries.

PIARC National Member Governments (1 September 2005)

ALGERIA	COTE D'IVOIRE	KUWAIT	SAUDI ARABIA
ANDORRA	CUBA	LATVIA	SENEGAL
ARGENTINA	CZECH Rep.	LITHUANIA	SLOVAK Rep.
AUSTRALIA	DENMARK	LUXEMBOURG	SLOVENIA
AUSTRIA	ECUADOR	MADAGASCAR	SOUTH AFRICA
AZERBAIJAN	EGYPT	MALAYSIA	SPAIN
BANGLADESH	EL SALVADOR	MALI	SRI LANKA
BELGIUM	ESTONIA	MAURITIUS	SWAZILAND
BENIN	FINLAND	MEXICO	SWEDEN
BHUTAN	FRANCE	MONGOLIA	SWITZERLAND
BOLIVIA	GABON	MOROCCO	SYRIA
BRAZIL	GERMANY	NAMIBIA	TANZANIA
BULGARIA	GHANA	NEPAL	THAILAND
BURKINA FASO	GREECE	NETHERLANDS	TOGO
CAMBODIA	GUATEMALA	NEW ZEALAND	TONGA
CAMEROON	GUINEA	NICARAGUA	TUNISIA
CANADA	HONDURAS	NORWAY	TURKEY
CANADA-QUEBEC	HUNGARY	PAKISTAN	UGANDA
CAPE VERDE	ICELAND	PANAMA	UKRAINE
CHAD	INDIA	PAPUA NEW GUINEA	UNITED KINGDOM
CHILE	INDONESIA	PARAGUAY	UNITED STATES
CHINA (People. Rep.)	IRAN	PERU	URUGUAY
COLOMBIA	IRELAND	PHILIPPINES	UZBEKISTAN
CONGO (Dem. Rep.)	ISRAEL	POLAND	VENEZUELA
CONGO (Rep.)	ITALY	PORTUGAL	VIETNAM
COSTA RICA	JAPAN	ROMANIA	YEMEN
CROATIA	KENYA	RUSSIA	ZIMBABWE
	KOREA (Rep.)		

In Montpellier the Council appointed Dr. Hiroshi MITANI (Japan) as Honorary President of PIARC. Dr. MITANI was PIARC President from 1997 to 2000.

2.4 National Committees

Countries may decide to create a National Committee to represent PIARC on a national level, to contribute towards ensuring more participation in the activities of PIARC and to ensure more effective distribution of the work of PIARC. The representatives of the National Committees meet once a year in conjunction with the Council meeting.

In 2005, the Executive Committee approved the statutes of two new PIARC National Committees, Cameroon and Mexico. As at September 1 2005, PIARC has National Committees or organisations acting in the capacity of a National Committee (Austrroads and the Nordic Road Association (NVF)) in 34 countries.

PIARC National Committees (1 September 2005)

ALGERIA	CANADA	JAPAN	PORTUGAL
ARGENTINA	CANADA-QUEBEC	MADAGASCAR	ROMANIA
AUSTRIA	CAMEROON	MEXICO	SLOVAK REP.
AUSTROADS	FRANCE	MOROCCO	SLOVENIA
(AUSTRALIA AND	GERMANY	NETHERLANDS	SPAIN
NEW ZEALAND)	GREECE	NVF(DENMARK,	SWITZERLAND
BELGIUM	HUNGARY	FINLAND,	CZECH REPUBLIC
BURKINA FASO	INDIA	ICELAND,	UNITED KINGDOM
	ITALY	NORWAY,	
		SWEDEN)	

2.5 General Secretariat

As at 1 September 2005, the PIARC General Secretariat includes:

- the Secretary General seconded from the French Road Directorate,
- four Technical Advisers seconded from Australia, Japan, the Nordic Road Association (NVF) and Spain,
- seven permanent staff who are remunerated by PIARC (including one part time staff).

Gilbert BATAÇ, Deputy Secretary General, left PIARC at the end of February 2005. Since this time, the position has been declared vacant with the French Ministry of Transport and Infrastructure but none of the applicants have been found to be suitable.

For the past year, the movements among the technical advisers were as follows:

- Tegan MITCHELL (New South Wales, Australia) left the General Secretariat in November 2004; she was replaced by Phil TWEDDELL (Queensland, Australia) who was made available to the General Secretariat until July 4. He has subsequently been replaced by Amy HALL (Western Australia);
- From the beginning of September 2005, George RACUTANU (Sweden), made available in accordance with the memorandum of agreement between PIARC and the Nordic Road Association (NVF), has been replaced by Pasi PATRIKAINEN (Finland)
- Joseba ECHAVE (Spain) left the Secretariat on 10 September 2004. He was replaced by Francisco CABEZA (Spain) until 7 September 2005. He has subsequently been replaced by Miguel Caso-Florez.

Within the Associations' salaried personnel:

- Zara SAID was recruited from 1 May 2005 in replacement of Nathalie POIRIER (resigned), as an assistant in membership relations and accounting.

3 Strategic Plan 2004-2007

The 2004-2007 PIARC Strategic Plan, approved by the Council in Montpellier, sets whole-of-organisation objectives and structures the activities of the Technical Committees around four "strategic themes", each one led by a coordinator nominated by the Executive Committee.

The Strategic Themes for the 2004 – 2007 period

Strategic Theme 1 - Governance and Management of the Road System		
Goal :	Improve the governance and management of road administration in the provision of road systems in accordance with international best practice.	
Coordinator :	<i>Keiichi INOUE (Japan)</i>	
Strategic Theme 2 – Sustainable Mobility		
Goal :	Encourage the development of road transport policies and programmes that result in beneficial community outcomes for sustainable and safe mobility in economic, environmental and social terms, and take full account of the need for integration with other transport modes.	
Coordinator:	<i>Ginny CLARKE (United Kingdom)</i>	
Strategic Theme 3 - Safety and Road Operations		
Goal :	Improve the safe and efficient use of the road system, including the movement of people and goods on the road network, while effectively managing the risks associated with road transport operations and the natural environment.	
Coordinator:	<i>Charles NOTTINGHAM (United States of America)</i>	
Strategic Theme 4 - Quality of Road Infrastructure		
Goal :	Improve the quality of road infrastructure through effective management of road infrastructure assets in accordance with user expectations and managers' requests.	
Coordinator:	<i>Anne-Marie LECLERC (Canada-Québec)</i>	

The following table summarises the titles and Chairs of the 19 Technical Committees. Eighteen are associated with one of the Strategic Themes, whilst the Technical Committee "Terminology and Translation Assistance" falls under the guardianship of the Communications Commission.

Technical Committees 2004 -2007 and Chairs (September 1 2005)

Strategic Theme 1 Governance and Management of the Road System	Committee 1.1 – Road System Economics	Mr. Fabien LEURENT (France)
	Committee 1.2 – Financing Road System Investment	Ms Sherri Y. ALSTON (USA)
	Committee 1.3 – Performance of Road Administrations	Mr. Paul VAN DER KROON (Netherlands)
	Committee 1.4 – Management of Network Operations	Mr. John C. MILES (United- Kingdom)
Strategic Theme 2 Sustainable Mobility	Committee 2.1 – Sustainable Development and Road Transport	Mr. Anders HH JANSSON (Finland/NVF)
	Committee 2.2 – Interurban Roads and Integrated Interurban Transport	Mr. Jean-Michel GAMBARD (France)
	Committee 2.3 – Urban Areas and Integrated Urban Transport	Dr. Csaba KOREN (Hungary)
	Committee 2.4 – Freight Transport and Intermodality	Dr. Eiichi TANIGUCHI (Japan)
	Committee 2.5 – Rural Roads Needs	Mr. Kesogukewe M.I.M. MSITA (Tanzania)
Strategic Theme 3 Safety and Road Operations	Committee 3.1 – Road Safety	Mr. Hans-Joachim VOLLPRACHT (Germany)
	Committee 3.2 – Risk Management for Roads	Dr. Michio OKAHARA (Japan)
	Committee 3.3 – Road Tunnel Operations	Mr. Didier LACROIX (France)
	Committee 3.4 - Winter Maintenance	Ms Gudrun ÖBERG (Sweden)
Strategic Theme 4 Quality of Road Infrastructure	Committee 4.1 – Management of Road Infrastructure Assets	Mr. Claude MORZIER (Switzerland)
	Committee 4.2 – Road/Vehicle Interaction	Mr. Bjarne SCHMIDT (Denmark/NVF)
	Committee 4.3 – Road Pavements	Mr. Nelson RIOUX (Canada-Québec)
	Committee 4.4 – Bridges and Related Structures	Mr. Rafael ASTUDILLO (Spain)
	Committee 4.5 – Earthworks, Drainage and Subgrade	Mr. Giorgio PERONI (Italy)
	Committee on Terminology and Translation Assistance	Mr. Patrice RETOUR (France)

4 Activities over the October 2004 – September 2005 period

4.1 Executive Committee

The Executive Committee administers the Association, conforming to the policies approved by the Council. In the course of the past year, meetings were held on 30 September 2004 in Montpellier (France) and March 29 and 30 in Santiago (Chile). In addition, a meeting of the Enlarged Bureau was held on July 8 in Brussels (Belgium).

The Executive Committee has set up and nominated the members of the five commissions which assist it. The activities of each Commission throughout the past year are summarised hereafter.

Strategic Planning Commission

The Strategic Planning Commission met on July 7 in Brussels in order to:

- define the action plan and work plan of the Commission,
- prepare for the XXIIIrd World Road Congress in Paris in 2007.

Finance Commission

The Finance Commission met in June and September 2005 in Zurich. These meetings were mainly devoted to the examination of:

- the definition of the action plan and the work plan of the Commission,
- the PIARC accounts for 2004 and the current year 2005,
- the financial standing of the Association and the proposals to present to the Council in order to ensure the durability of PIARC's activities,
- the projected budget for 2006,
- the proposals for the registration fees for the XXIIIrd World Road Congress in Paris 2007,
- the HDM-4 project.

Communication Commission

The Communication Commission held two meetings, one in May 2005 in Paris and one in September in Brussels and will next meet the day before the Executive Committee meeting in Beijing. The work of the Commission is concerned mainly with the following points:

- the definition of the action plan and the work calendar of the Commission,
- the launching of the PIARC prizes competition,
- preparation of the recommendations for the production of the technical reports,
- PIARC's policy for the dissemination of publications,
- a first reflection on the communication plan.

Commission for Technological Exchanges and Development

The Commission met in March 2005 in Santiago Chile and will next meet the day before the Executive Committee meeting in Beijing. The Committee is designated the responsibility for the following projects: seminars, technology transfer centres and the World Interchange Network (WIN).

For the program of PIARC international seminars, the Commission has:

- finalised the terms of the recommendations for the preparation and the conduction of the seminars with the General Secretariat,
- organised a review of all of the proposals presented by the Technical Committees.

The Technology Transfer Centre project is currently under review in order to better ensure the sustainability of the created centres and to strengthen the ties with the Association.

The Commission undertook a reflection of the subjects identified in the Strategic Plan: professional training, sustainable financing of road infrastructure, strengthening institutional competencies, governance and corruption and non-motorised road transport. On these subjects, the Commission identified how to support the actions of the Technical Committees concerned. With respect to professional training, a project for the establishment of a directory of the organizations offering training in the road field has been defined which will be submitted to the Executive Committee.

Commission on International Relations

An initial action plan has been defined by the Chair of the Commission, Olivier Michaud. The Commission will next meet on the day before the Executive Committee meeting in Beijing in order to finalise the action plan and calendar.

In Santiago Chile in March 2005, a first meeting was held between the PIARC Executive Committee and the Council of Iberian and Ibero-American Road Directors. At this meeting, both organisations expressed the wish to strengthen the participation of the Latin American countries in the activities of PIARC and to make the work of PIARC better known through the organisation of seminars and the translation of certain technical reports into Spanish.

4.2 Conference of the PIARC National Committees

The Chair of the Conference of the National Committees, Friedrich ZOTTER (Austria) presented an action plan for the period 2005-2008 to the Executive Committee with the objectives:

- better communication between the National Committees,
- better promotion of the activities of the National Committees,
- an increase in the number of National Committees or the recognition of organisations playing a similar role to PIARC.

The proposal to distribute an electronic newsletter devoted to presenting the activities of the National Committees was approved by the Executive Committee in Santiago. The General Secretariat provided the data processing for this and the first two editions of this quarterly newsletter were sent out in June and September 2005 in French, English and Spanish.

4.3 General Secretariat

In addition to the administrative support provided by the General Secretariat in the day-to-day running of the Association, the General Secretariat undertook the following actions during the year:

- conducted a review of Routes/Roads resulting in a new format and new editorial content from the January 2005 edition,
- managed the completion of the project for the development of version 2 of HDM-4 and led the process to implement a service concession contract from August 2005,
- continued the development of the PIARC internet site (<http://www.piarc.org>), notably by providing online access to the works of terminology, granting public access to the relays of the World Interchange Network, putting the proceedings of the seminars on line, the online management of the proposals for the congresses and symposiums organised by or with PIARC, etc.

Visitors to the internet site grow regularly with an average monthly number by the end of the first half of 2005 of:

- 4000 - 5000 different visitors,
- 7500 visits,
- 300 000 pages visited.

The internet site is, in addition, a working tool used by Commissions and Technical Committees who have all been given their own dedicated working space.

The activity in the field of publications is detailed in section 4.7.

In order to promote the Association, some members of the General Secretariat have participated in various congresses and exhibitions over the past year such as TRB (Washington DC) and the International IRF conference (Bangkok, Thailand).

The Secretary General and the Deputy Secretary General have participated in the Executive Committee meetings of the Conference of the European Directors of Roads (CEDR).

4.4 Preparation of PIARC Congresses

International Winter Road Congress

Circular N° 3 of the XIIth International Winter Road Congress which will take place in Turin-Sestriere (27-30 March 2006) was distributed in July 2005.

The Turin-Sestriere Congress has a dedicated website: www.aipcr2006.it

World Road Congress

The draft agreement for the organisation of the XXIIIrd Congress to be held in Paris, France from 17-22 September 2007 was signed in Paris on 15 December 2004, by the Minister of Infrastructure Gilles de ROBIEN on behalf of the French Government and by the President Olivier MICHAUD on behalf of PIARC.

The preparations continued with the choice of the service providers and the revision of the congress manual. The call for proposals for the special sessions was made during summer 2005 as well as the launching of the 2007 PIARC prizes competition.

The Paris Congress has a dedicated internet site: www.paris2007.route.equipement.gouv.fr

4.5 Technical Committees

The Technical Committees finalised their work programs in accordance with the terms of reference set by the Strategic Plan. These work programs were approved in March 2005.

4.6 Projects

HDM-4

Since the Council meeting in Montpellier, version 2 of HDM-4 has been finalised and accepted by the General Secretariat in July 2005. In addition, a concession contract comprising HDM-4 dissemination, user support and development management was signed with the consortium HDMGlobal for a period of five years. It comes into effect as from August 1 2005 (see separate note on the HDM-4 project).

Terminology

The project has the objective of bringing a new service to the members in allowing the online consultation of all of the dictionaries and multilingual lexicons on the Association's internet site. This service went online at the start of 2005.

The application also allows the update of the dictionaries via the internet as well as the facility to add new languages. This permits the strengthening of the synergy between the actions of the Committee on Terminology and that of the Technical Committees. Some developments relative to the administration and management of the updates to the dictionaries remain to be carried out in the second half of 2005.

Technology Transfer Centres

Since the Durban Congress there have been no new technology transfer centres established. A reflection is in progress, as indicated previously, within the TED Commission on the role of the TTC and the supporting actions that PIARC must consider.

Seminars in Developing Countries and Countries in Transition

The Strategic Plan set the objective of the organisation of two seminars by each Technical Committee for the 2004-2007 cycle. The first seminars took place in April and May 2005 respectively in Mexico (Financing Road Infrastructure) and in Burkina Faso (Freight Transport). Five other seminars will take place by the end of 2005. As at mid 2005, 8 seminars have already been identified by the Technical Committees.

World Interchange Network WIN

The WIN internet site was modified in 2004 in order to facilitate on-line communication and to make the relays widely accessible. In order to increase the use of this communication tool, the TED Commission must launch an action of mobilisation of the relays and the information on the WIN.

4.7 Publications

4.7.1 Reports

The General Secretariat has continued the publication of the reports produced by the Technical Committees during the 2000-2003 cycle. In the course of the past year, PIARC has already published 19 new reports adding to the 18 published earlier in this cycle:

- Study on rehabilitation actions on concrete bridges (11.15.B)
- Freight modal split (19.02.B)
- Evaluation and limitation of social and environmental impacts for road networks and transport policies (14.05.B) (only available in pdf file)
- Management of bridges in Australasian and African countries (11.16.B)
- Evaluation and funding of road maintenance in PIARC member countries (09.08.B)
- Asset management for roads – An overview (06.09.B)
- Good practice for the operation and maintenance of road tunnels (05.13.B)
- Study on risk management for roads (18.01.B) and Appendices to C18 (only available in pdf file)
- Traffic incident management systems used in road tunnels (05.15.B)
- Towards performance management of bridges (and other structures) (11.14.B)
- Indicators for bridge performance and prioritization of bridge actions (11.13.B)
- Roads tunnels: vehicle emissions and air demand for ventilation (05.14.B)
- Vehicle size and weight limits – Experiences and trends (19.01.B)
- Comparison study on bridge management activities (11.12.B)
- Slope risk guidance for roads (12.13.B)
- Planning and programming of maintenance budgets (06.08.B)
- Role and positioning of the road administration (15.08.B)
- A conceptual performance indicator framework for the road sector (15.07.B)
- Economic evaluation methods for road projects in PIARC member countries (09.07.B).

The Road Safety Manual and the ITS Handbook (in English) were published in 2005 in partnership with publishers Route2Market. The French version of the ITS Manual is in the process of being edited and will be able to be published by the end of 2005.

For more information on PIARC publications, consult the full list on the Association's website: www.piarc.org

4.7.2 Routes/Roads Magazine

The October 2004 edition of the quarterly magazine "Routes/Roads" was a special edition on fire safety in tunnels, produced in collaboration with the International Tunnelling Association (ITA).

Since the January 2005 edition, Routes/Roads is published under a completely new format with a modified content. The reaction of the readers to the changes has been very positive and, in conjunction with the internet site, the changes give a more modern and dynamic image to PIARC.

4.8 Cooperation with other organisations

PIARC has a long history of successful cooperation with numerous international and regional organisations active in the domain of roads and road transport, as well as with other regional associations.

Particular attention is given to the relations with regional groups of Directors of Road Administrations: CEDR (Europe), DIRCAIBEA (Latin America), AGEPAR and SANRA (Africa), REAAA (Asia and Australasia), with which the cooperation will be intensified and formalised.

A draft agreement has been signed between PIARC and the International Tunnelling Association (ITA) in order to coordinate the activities regarding safety in tunnels.

In particular, PIARC has participated:

- in the annual meeting of the TRB in Washington with the organisation of an international round table on road safety with the Federal Highways Administration;
- in the international IRF congress in Bangkok (Thailand) in June with the joint organisation of a meeting concerning Intelligent Transport Systems;
- in the annual ITE conference in August in Melbourne Australia.

Finally, PIARC sponsored various events by other associated international technical organizations.