The World Road Association and Management of Road Assets

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PIARC - AIPCR

- **World Road Association**
  former name: Permanent International Association of Road Congresses

- **Mission:**
  - Organise international forums
  - Disseminate best practices
  - Promote efficient tools for decision making
  - Special emphasis for Developing Countries and Countries with Economies in Transition
PIARC - AIPCR

118 Member Governments

- America: 22
- Europe: 33
- Africa: 32
- Asia: 31

Member Country
Member Country with a National Committee
Non Member Country
PIARC Strategic Plan 2012-2015

Strategic Themes:

- Strategic Theme 1: Management and Performance
- Strategic Theme 2: Access and Mobility
- Strategic Theme 3: Safety
- Strategic Theme 4: Infrastructure

18 Technical Committees and 2 Task Forces regrouped in one of these 4 Strategic Themes
PIARC Strategic Plan 2012-2015

Goal of the Strategic Theme 4
Infrastructure:

*Improve the quality and efficiency of road infrastructure through the effective management of assets in accordance with user expectations and government requirements while adapting to climate change and changing energy scenarios and policies.*

**Technical Committees:**
- TC 4.1 Management of Road Assets
- TC 4.2 Road Pavements
- TC 4.3 Road Bridges
- TC 4.4 Earthworks and Unpaved Roads

**Committee on Terminology**
PIARC Outputs and Website

- General information about PIARC
- Technical reports
- www.piarc.org
  - Technical reports
  - Knowledge Base
  - Virtual Library
  - Dictionaries
  - Manuals
TC 4.1 - Activities and production of the former cycles (1)

2000 - 2003
- Asset Management for Roads – an Overview
- Framework for performance indicators
- Planning and programming of maintenance budgets
- The role of economic an socio-economic models in road management

2004 - 2007
- Asset management practice
- Promote asset management methods
- Integration of performance indicators
TC 4.1 - Activities and production of the former cycles (2)

2008 - 2011

- WG 1: Benchmarking of Assets Management Methods
- WG 2: Data collection for road infrastructure management
- WG 3: Allocation of resources across asset classes
TC 4.1 - Activities and production of the former cycles (3)

WG 1 – Benchmarking of Asset Management Methods

- Best practice in asset management systems
- Costs associated with asset systems
- Best practice for road authorities
- Benchmark of costs for typical systems

Output:
Final Report “Benchmarking of Asset Management Methods”
TC 4.1 - Activities and production of the former cycles (4)

WG 2 – Data collection for road infrastructure management

- Options for cost effective data collection of the different elements of the road infrastructure
- Best practice approach for use of data in supporting a strategy for better road infrastructure management
- Summary of how data is best used to develop an infrastructure management strategy

Output:
Final Report “High Level Management Indicators”
TC 4.1 - Activities and production of the former cycles (5)

WG 3 – Allocation of Resources across Asset Classes

- Approaches taken by countries in allocating resources based upon asset management
- Prioritisation process for investing in maintaining the different assets
- Case studies to illustrate the different approaches and report on the key conclusions of the studies
- Benefits and dis-benefits of the prioritisation processes

Output:
Final Report “ Allocation of Resources across Asset Classes”
Issues

- **Issue 4.1.1**
  Assessment of budgetary needs for maintenance of road infrastructure

- **Issue 4.1.2**
  Optimisation of maintenance strategies for multiple assets of road network

- **Issue 4.1.3**
  Balancing of environmental and engineering aspects in management of road networks

- **Issue 4.1.4**
  Road Assets Management Manual
TC 4.1 Members 2012 - 2015
TC 4.1 Terms of Reference 2012-2015

Issue 4.1.1
Assessment of budgetary needs for maintenance of road infrastructure

- Approaches and practices taken by countries for assessment of budgetary needs for maintenance of road infrastructure
- Common framework allowing comparison of the cost of maintenance of road pavements for given categories
TC 4.1 Terms of Reference 2012-2015

Issue 4.1.2
Optimisation of maintenance strategies for multiple assets of road networks

- Approaches implemented for determining maintenance strategies aiming at making the best use of allocates budgets
- Optimum level of expenditure?
- Allocation of maintenance resources between the categories of assets?
Issue 4.1.3
Balancing of environmental and engineering aspects in management of road networks

- Environmental aspects and engineering aspects in the management of road networks?
Road Assets Management Manual which will integrate the outputs of the current and the previous cycles (web-based)

Example: Road Tunnels Manual (http://tunnels.piarc.org)
Contact us!

Become a member of the World Road Association....

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