



Kongres Zarządzania Infrastrukturą Drogową

Warszawa, 4-5 grudnia 2019

Thomas Linder, PhD (Germany)
Chair of the PIARC Technical Committee D.1 Asset Management

***Contribution of the World Road Association PIARC
to the dissemination and development
of Road Asset Management***

Motor vehicle displaces the horse carriage from the roads

New York City, 5th Ave
1900



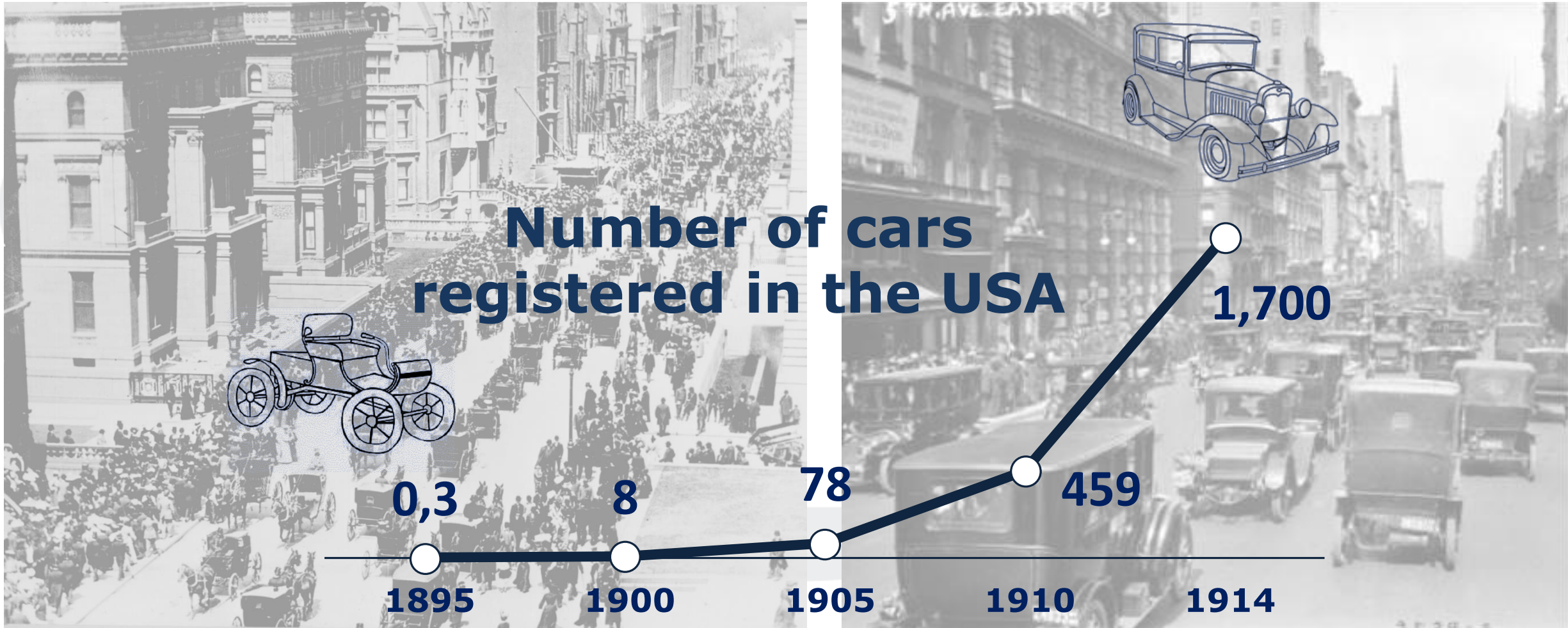
New York City, 5th Ave
1913



Motor vehicle displaces the horse carriage from the roads

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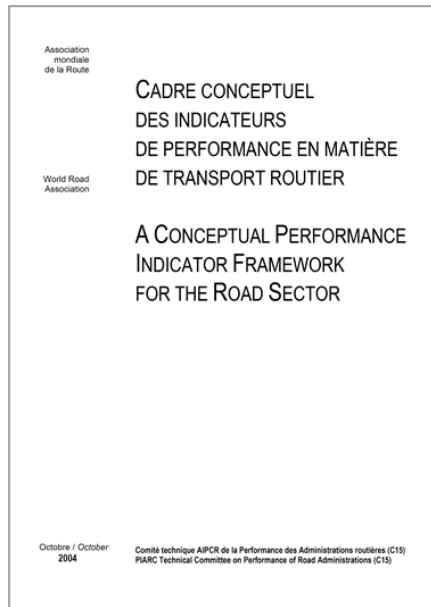
New York City, 5th Ave
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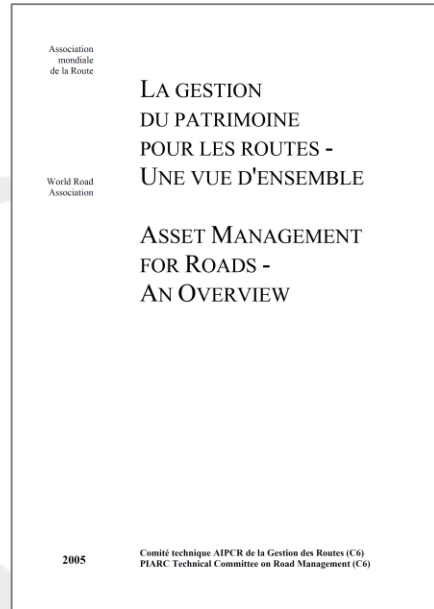
Establishment of PIARC on 11th of October 1908 in Paris



PIARC recognized the importance of Asset Management at a very early stage



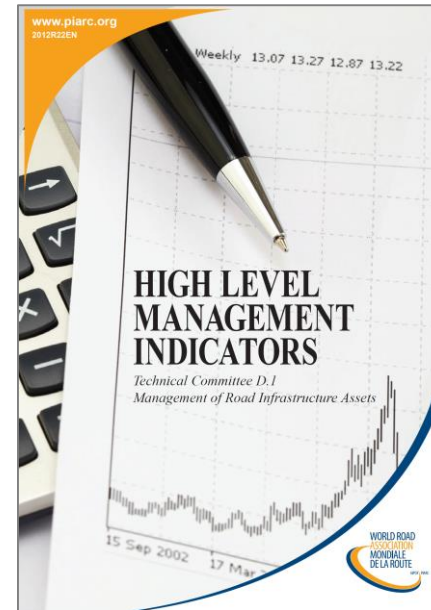
2004



2005



2008



2012



2019

Breakthrough after the emergence of the discipline Asset Management

INTERNATIONAL
STANDARD

ISO
55000

First edition
2014-01-15

Asset management — Overview,
principles and terminology



Asset is ...

*"... an item, thing or entity that has potential or actual value to an **organization**"*

Asset Management is ...

*"... the coordinated activity of an **organization** to realize value from assets"*

Asset Management Manual of PIARC



The screenshot shows the homepage of the PIARC Asset Management Manual website. At the top, the PIARC logo is on the left, and the title 'ASSET MANAGEMENT MANUAL A GUIDE FOR PRACTITIONERS!' is on the right. Below the title is a navigation menu with links for 'MANAGEMENT', 'DATA AND MODELING', 'PLANNING', 'APPLICATION', and 'TOOLS'. A search bar is located to the right of the 'TOOLS' link. The main content area features a large heading 'WELCOME TO THE PIARC ASSET MANAGEMENT MANUAL' followed by three paragraphs of introductory text. On the right side, there are two promotional boxes: one for researchers, students, and professionals to register for updates, and another for users to provide feedback.

WELCOME TO THE PIARC ASSET MANAGEMENT MANUAL

Road infrastructure asset is the most valuable asset owned by the public sector in most countries and it supports a nation's economy. Traditional management methods will no longer be sufficient to meet 21st century business and political demands.

Asset management is a well-established discipline successfully implemented in several countries, for management of highways as well as other physical asset, addressing demands of a nation's citizens and industry for greater accountability and transparency, more efficient use of funds, greater focus on customer expectations and more sustainable solutions.

It is recognized that all road organizations manage their assets, but they do not necessarily all apply an asset management framework in order to achieve their desired outcomes from the delivery of their service to the traveling public and other stakeholders.

This manual has been developed by the World Road Association (PIARC) and it provides advice: on how asset management principles may be used to support a more efficient approach to maintain road infrastructure assets - road organizations' most valuable assets, and on the implementation and continuous development of road infrastructure asset management.

The manual builds on the progress made with asset management, as matter of fact manuals from several countries, documents, websites and materials are referenced. The manual also contains case studies of successful practices to document the lesson learned and experience gained in implementing asset management.

ARE YOU A RESEARCHER, A STUDENT OR A PROFESSIONAL?

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REGISTER

GIVE US YOUR FEEDBACK!

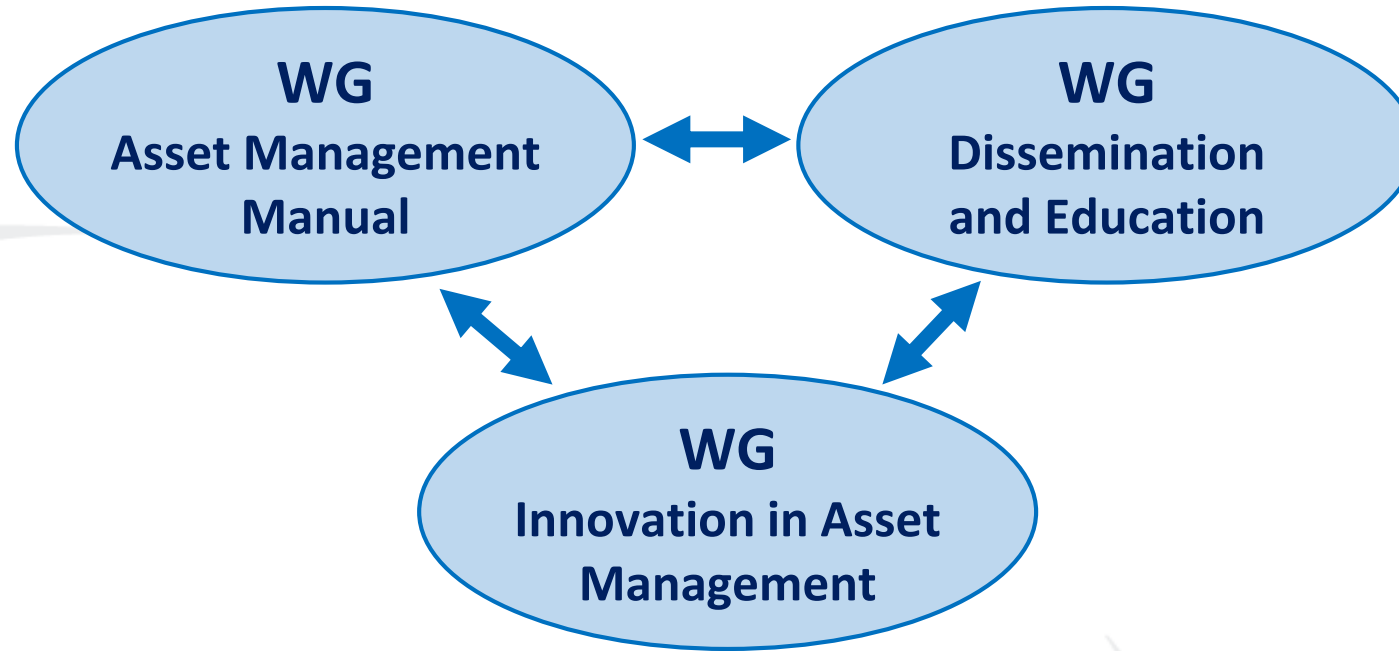
DO YOU WANT TO SEND US A REVIEW?

SEND

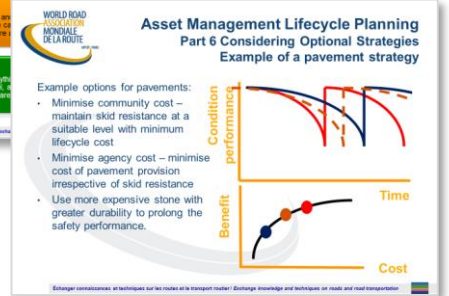
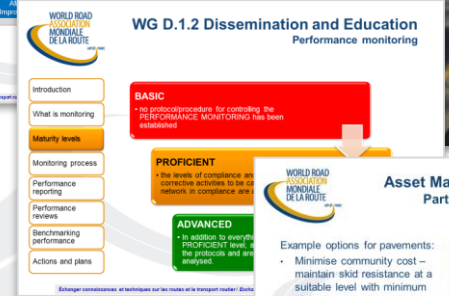
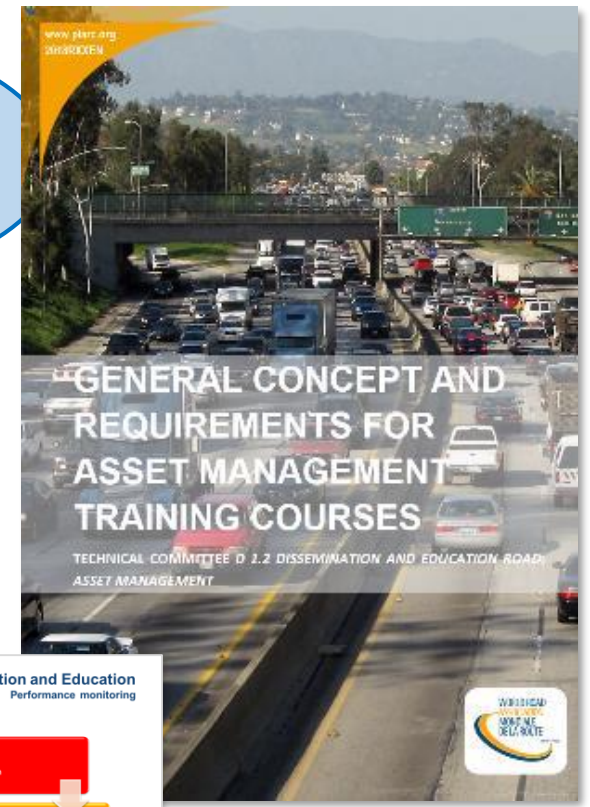
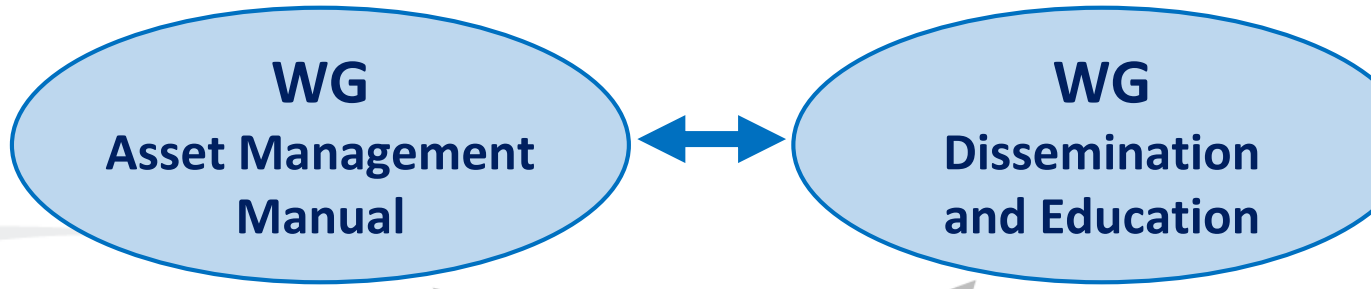
<https://road-asset.piarc.org/en>

Asset Management Manual based on ISO 55000

Dissemination of Asset Management and Education of Asset Managers



Dissemination of Asset Management and Education of Asset Managers



Ceremonial opening of the „Infrastructure Asset Management Academy” (INFRAMA)



INFRASTRUCTURE
ASSET
MANAGEMENT
ACADEMY



15 May 2017, Warsaw

First workshop of INFRAMA

„Introduction to Infrastructure Asset Management”



INFRASTRUCTURE
ASSET
MANAGEMENT
ACADEMY



Strategic Plan 2020-2023

Technical Committee 3.3 – Asset Management

TECHNICAL COMMITTEE 3.3 – ASSET MANAGEMENT

3.3.1. Innovative approaches for asset management systems

Strategies / Objectives

- Develop a guideline for implementing Asset Management Systems in the road sector according to ISO 55001, taking in account different road organizations and at different maturity levels.
- Incorporation of life-cycle management and risk management approach.
- Improve and innovate managing assets approach by taking into consideration of a triple bottom line of sustainability (PPP, i.e. profit, people, planet).
- Investigate the use of BIM (Building Information Model), by using a standard format, in conjunction with current AMSs used by road owners and operators.
- Investigate the use of Digitalization in Asset Management.
- Take into account works carried out by *T.C.D.1 – Asset Management* within Cycle 2016-2019.
- Encourage coordination with other TCs and TFs, such as *T.C. 1.1 – Performance of Transport Administrations*, *T.C. 1.2 – Planning Road Infrastructure and Transport to Economic and Social Development*, *T.C. 1.3. Finance and Procurement*, *T.F. 1.2 – HDM-4*, *T.C.2.4 – Road Network Operation/ITS*, *T.C. 4.1 – Pavements*, *T.C. 4.2 – Bridges*, *T.C. 4.3 – Earthworks* and *T.C. 4.4 – Tunnels* and *T.F.3.1 – Road Infrastructure and Transport Security*

- ...
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- Incorporation of life-cycle management and risk management approach.
- Investigate the use of BIM (*Building Information Model*)...
- ...

WORLD ROAD ASSOCIATION



www.piarc.org