



17th Transport Sector Coordinating Committee (TSCC) Meeting

18–20 April 2018 | Istanbul, Turkey

17-е заседание Координационного комитета по транспортному сектору (ККТС)

18–20 апреля 2018 года | Стамбул, Турция

Road Asset Management

Ari Kalliokoski

ADB



Road Asset Management

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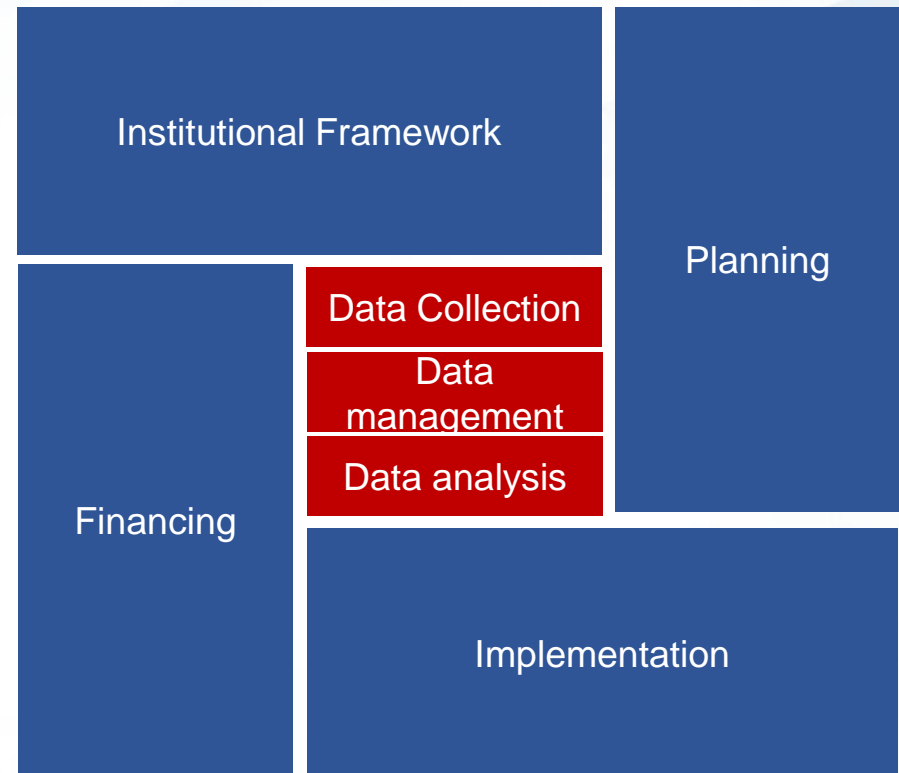
- Basic principles
- Progress of Road Asset Management (RAM) and Performance Based Maintenance (PBM) related activities
- New knowledge products
- Results of assessment survey
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Road Asset Management

Basic principles:

- Road Asset Management (RAM) looks at optimizing the level and the allocation of road maintenance funding in relation to medium- and long-term results on road conditions and road user costs.



- Road Asset Management
- Road Asset Management System



Road Asset Management

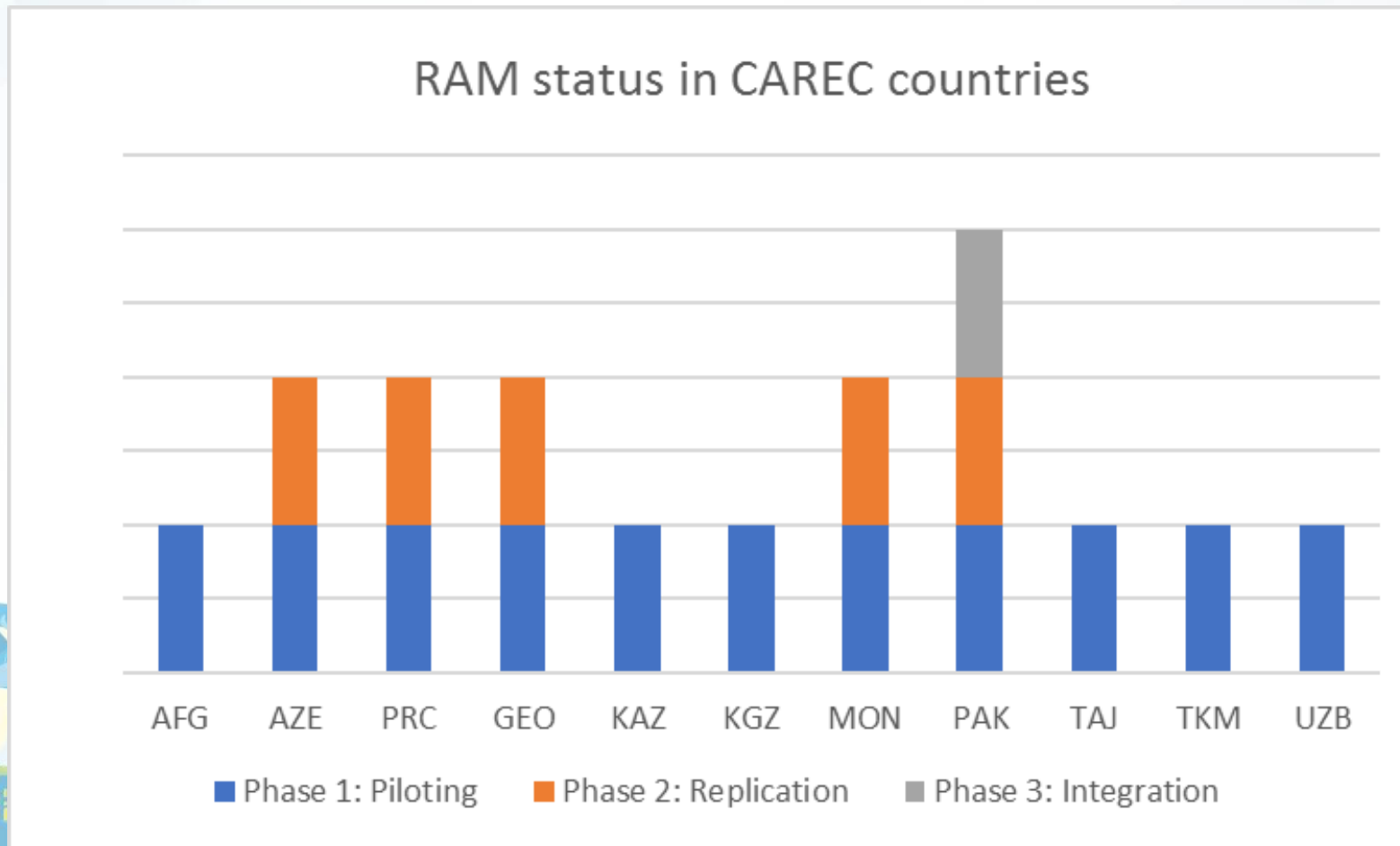
Basic principles:

- Performance Based Road Maintenance Contracts (PBC) is a type of road maintenance contract, where performance levels for each road asset or services provided are defined. Payments are fixed and payment reductions will apply in case of non-compliance.
- Based on international experiences, long-term cost savings of more than 25% have been realized provided that there are good qualified contractors with adequate competition.



Road Asset Management

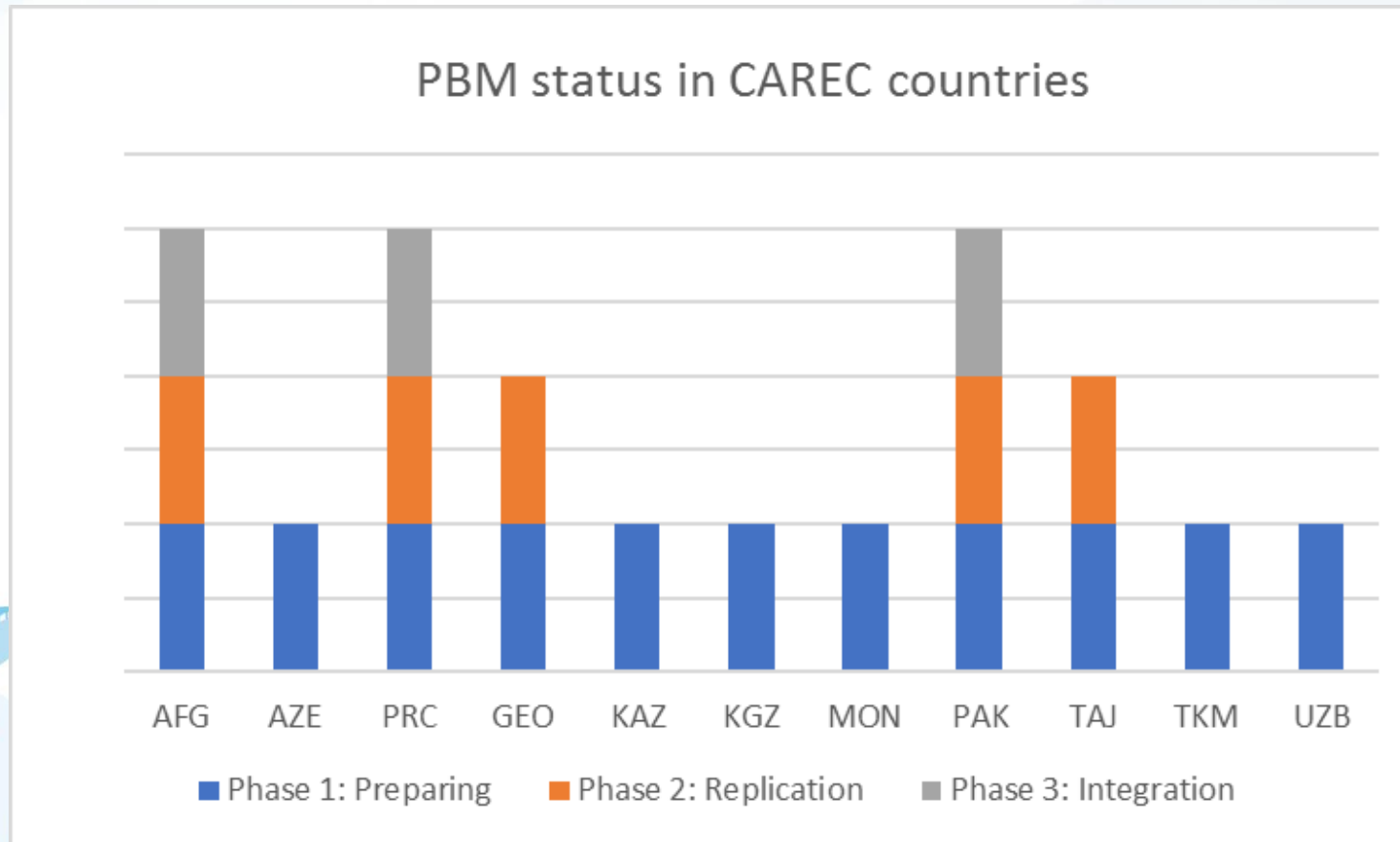
Progress of RAM and PBM related activities



Cartier van Dissel, 2018.

Road Asset Management

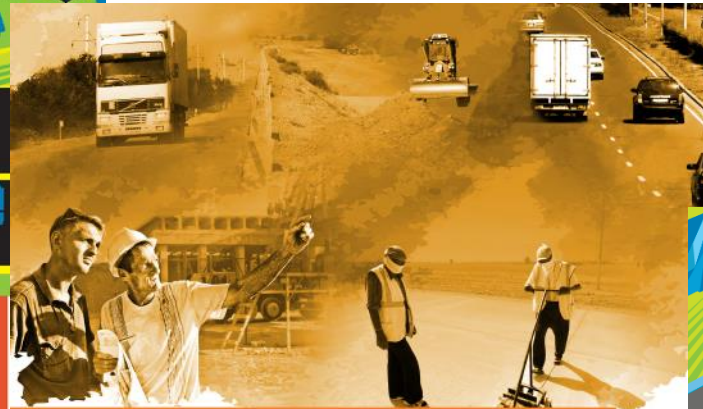
Progress of RAM and PBM related activities



ADB/CAREC. Performance Based Road Maintenance Contracts – Reference Note, 2018.

Road Asset Management

New knowledge products



**COMPENDIUM OF BEST PRACTICES
IN ROAD ASSET MANAGEMENT**

**GUIDE TO PERFORMANCE-BASED
ROAD MAINTENANCE CONTRACTS**

APRIL 2018

**DECISION MAKERS' GUIDE
TO ROAD TOLLING
IN CAREC COUNTRIES**

APRIL 2018



Road Asset Management

Results of assessment survey (ongoing or planned activities and support needs):

1. Institutional development and capacity building:

- Maintenance reforms
 - revision of laws, regulations, norms and standards
 - preparation of national level policies
 - preparation of business plans and service level agreements
 - re-structuring of state-owned maintenance companies
 - Preparation of contract and bidding documentation
 - specification of maintenance equipment to be purchased
- Training
 - road maintenance in general
 - road asset management
- International study tours
 - best practices

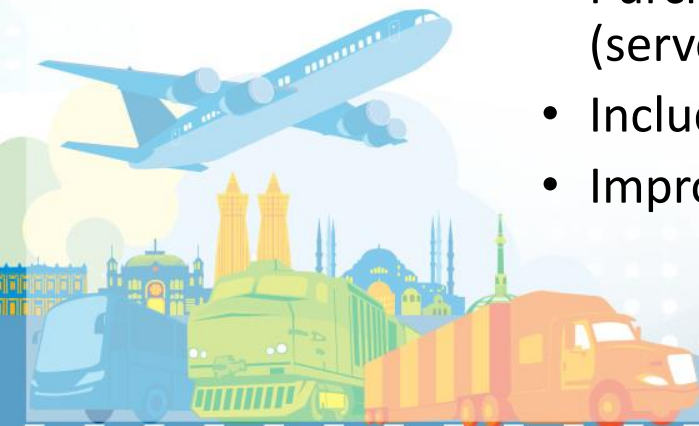


Road Asset Management

Results of assessment survey (ongoing or planned activities and support needs):

2. RAMS:

- Developing data collection (more surveys and/or improving the quality)
- Integrating RAMS with budgeting process
- Improving the transparency of the road maintenance planning and budgeting
- Integrating road safety into RAMS
- Purchasing or upgrading software and hardware (servers, GIS interface, database management, etc.)
- Including bridges into RAMS
- Improving the integration between RAM and HDM-4



Road Asset Management

Results of assessment survey. Ongoing or planned activities and support needs:

3. PBM:

- Several roads to be procured using PBM (service contracts, monitoring and evaluation mechanisms, future programs and updating of existing ones)
- Legal challenges
- Including rehabilitation works into PBMs
- Maintenance depots, equipment, office facilities





Road Asset Management

Future directions...

<https://www.youtube.com/watch?v=ncJ1IUZywRE>

