

Issue B 5.1

Improve winter maintenance and operation information systems

Activities

Investigate information systems, including two-way communications with road users.

Study of Winter Service Management Systems (WSMS).

Outputs

Case studies of best practice in design and implementation of information and management systems.

Issue B 5.2

Provide Sustainable Winter Maintenance

Activities

Study of the full slate of social (safety), environmental and economic (cost-benefit) aspects required to achieve 'sustainability' in winter maintenance.

Outputs

Identification of what optimum sustainability means in terms of winter maintenance, and strategies to achieve it.

• Issue B 5.2 Cont.

Provide Sustainable Winter Maintenance

Activities

Identify impacts of climate change (changes in winter severity) on winter services and on road infrastructure.

Outputs

Report on the impact of climate change on winter service and on road infrastructure and propose actions as preventive measures.

Strategic Plan 2008–2011 Winter Service

Issue B 5.3

Share knowledge via the International Winter Road Congress

Activities

Identify which priority issues and knowledge World Road Association members would find useful to share and in what format they would like to receive it.

Outputs

Produce a knowledge-sharing tool to suit the needs of the winter service community.

Issue B 5.4

Communication with road users

Activities

Identify innovative approaches to inform and influence road users about winter operations and safe winter driving.

Outputs

Case studies illustrating best communication practices.



XII INTERNATIONAL WINTER ROAD CONGRESS

Thank you for your attention

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[http://www.piarc.org/en/technical-
committees/C3.4/](http://www.piarc.org/en/technical-committees/C3.4/)

Strategic Plan 2008–2011 Winter Service

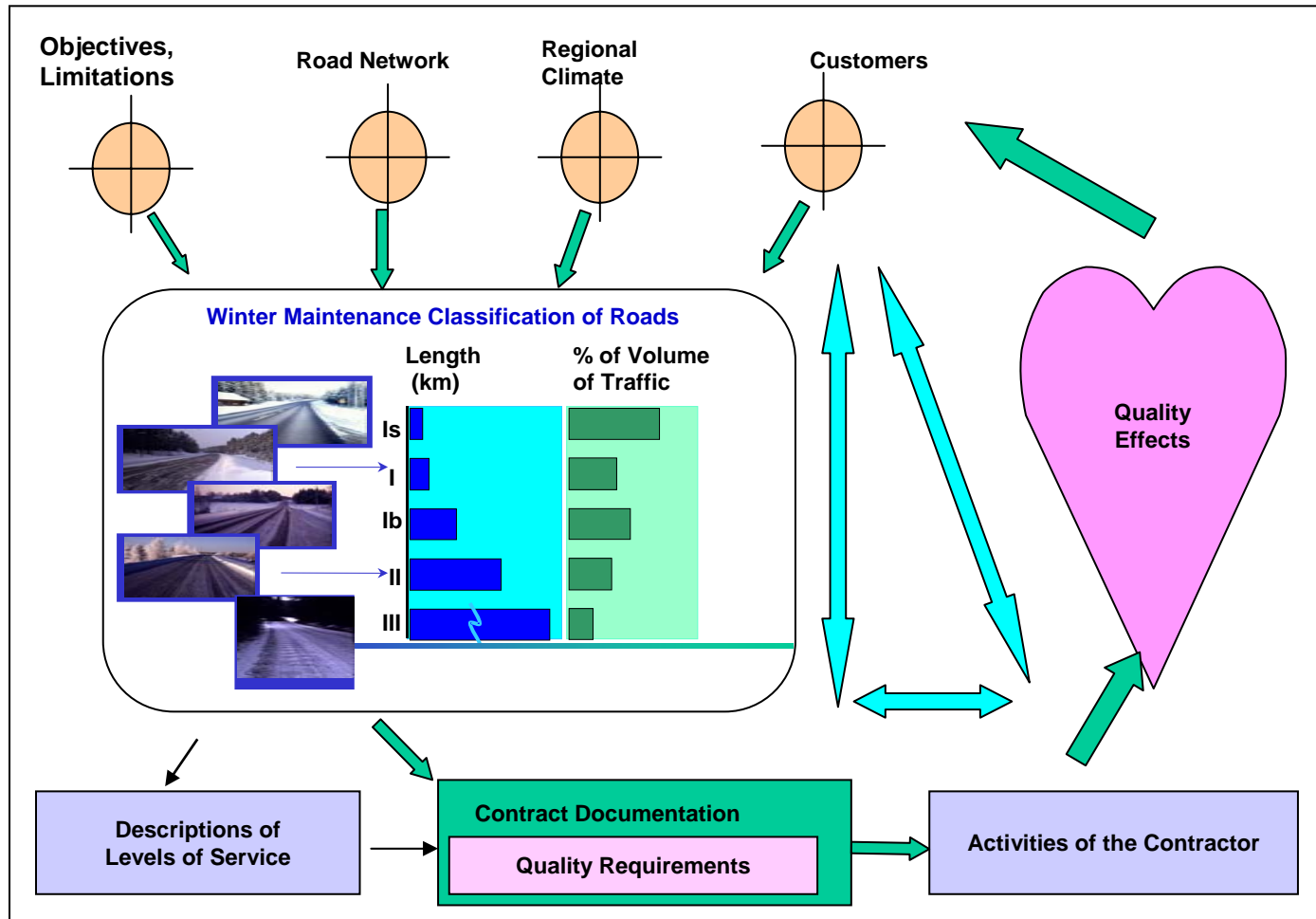
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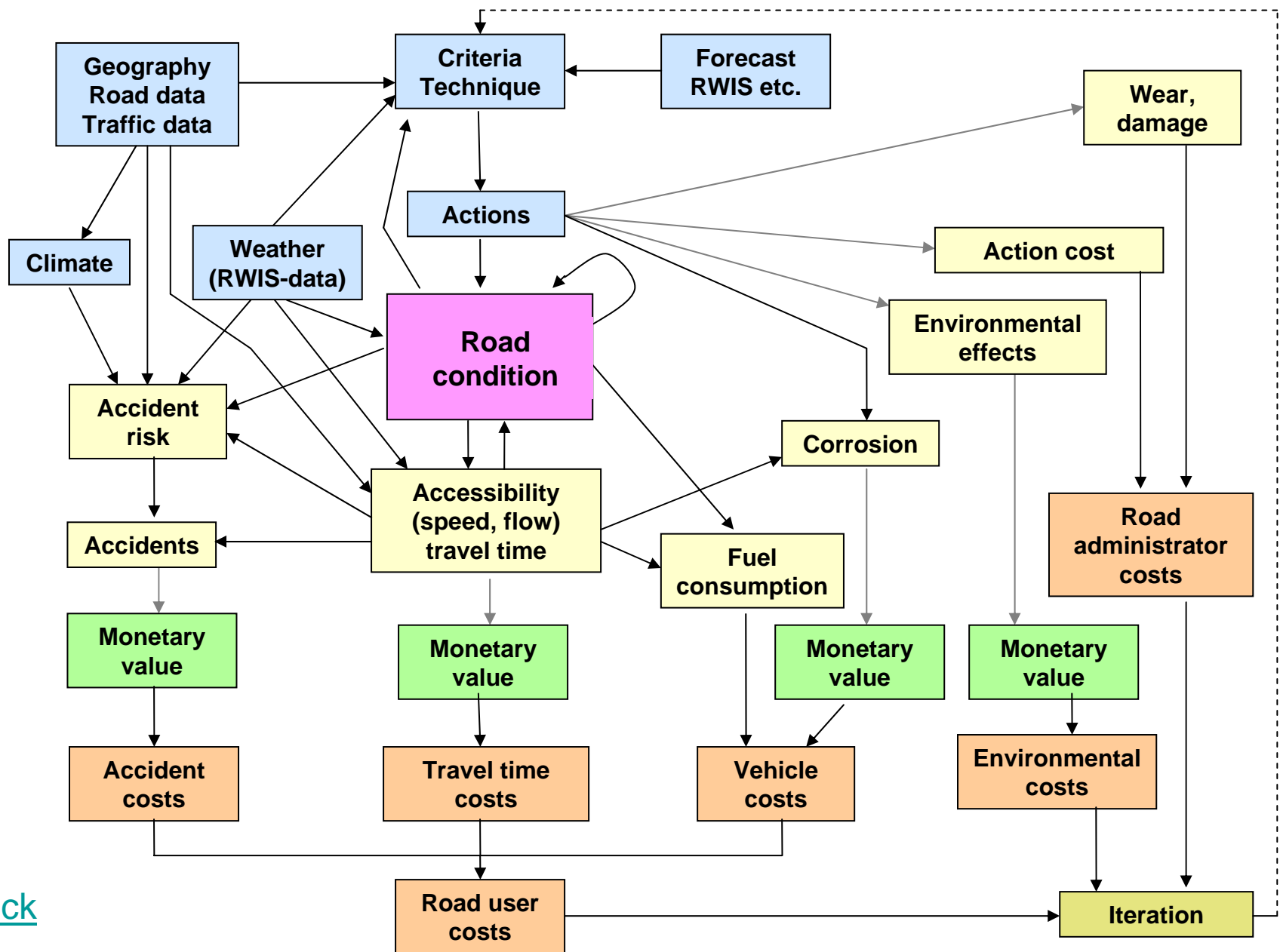
Definition of Winter Maintenance Quality



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Maintenance procurement strategy of the Finnish administration.

WMMS in Sweden



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Dry Sand

-

Fastsand

Just after spreading



8 hours after spreading



NORWAY

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Public Private Partnership

Japan

Partnership government + public to collect and convey information

Finland

Links road users and operators

- collecting observations from motorists and

- providing information concerning changing road weather conditions

Japan Pedestrians spreading grit on icy sidewalks and at crossings

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