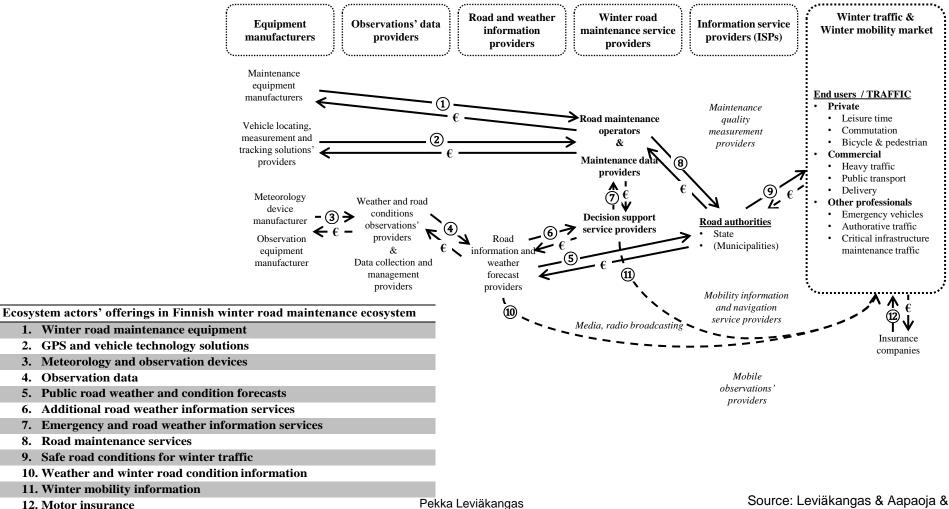


Land Transport Weather Services – Value Creation for the Mobility System

WMO ad hoc expert group meeting, 28-Jan-2015 Dr. Pekka Leviäkangas Principal scientist, VTT Research professor, Univ. Of Oulu

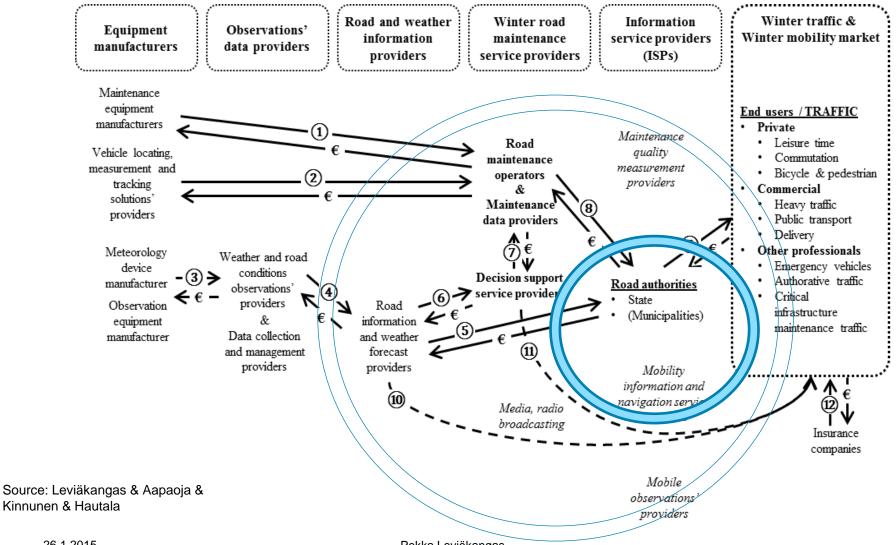
Example: Finnish winter road ecosystem for virt



Kinnunen & Hautala

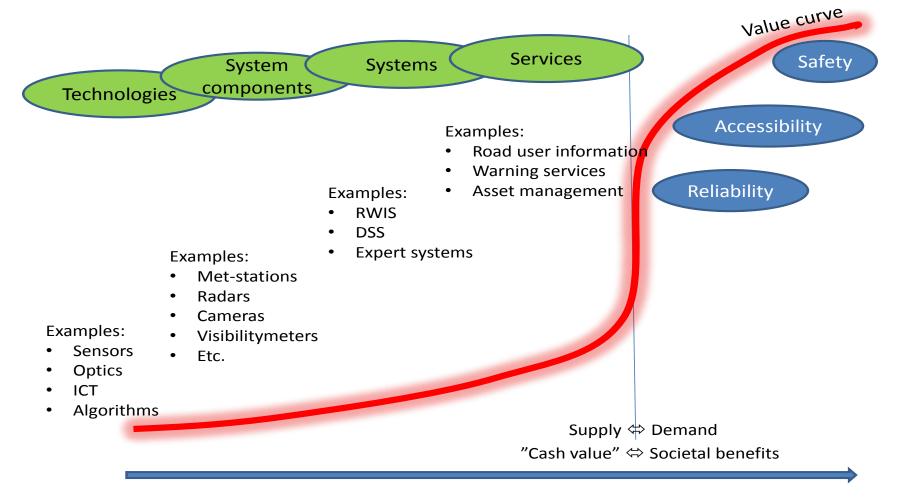
2

Shrinking role of road authority => increasing role of service providers => service network delivering the value



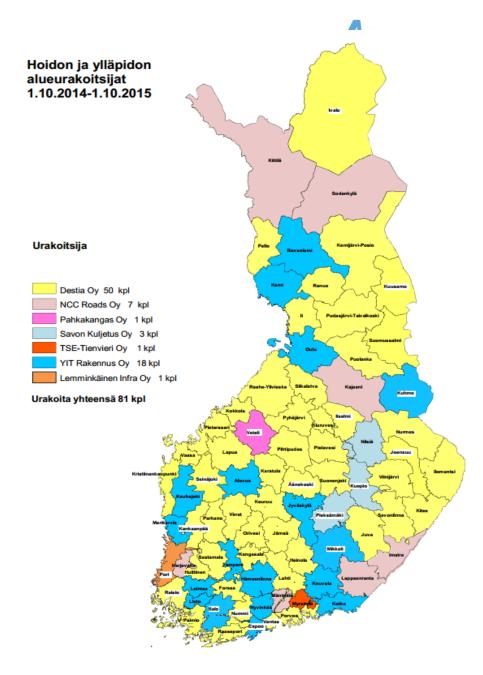
Value build-up in the network





Client – Producer model, example of market structure

- 7 main contractors
 - 81 multi-annual contracts
- Dozens of local, small subcontractors
 - Short contracts
- Who has the correct view on mobility system's service performance?
- What are the road authorities procuring exactly? Safety, traffic flow capacity, just snow plowing,...?





Met-service providers' positioning with regard to infrastructures

- Liberalised transport asset management (infrastructure) markets:
 - Need to understand the market and needs => as a partner of the ecosystem accommodating value delivery for the ultimate client who is paying for the service
- Non-liberalised asset management markets:
 - Collaboration with key stakeholders: infrastructure owners and managers
- Ownership and market structure
 - Roads public; many private tolling operators
 - Rails public; usually with monopoly service operator on tracks
 - Airports both public and private
 - Ports both public and private
- Different markets and structures => different main partners and collaborators!



Sum-up

- Whatever the market, there's a need for good met-information => the value chain must work seamlessly
- The "selling arguments" are different for different markets and actors => Private, public and semi-public infrastructure owners and transport operators have different "revenue logics"
- What works for one country or one mode of transport, might not work for another – at least the logic and motivational arguments must be tailored
 - However, the need for socio-economic benefits is always there
 - ...and, there is always a value chain; its content and structure might vary

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