WP4
Traffic Management Procedures in Transition Areas

Dr. Sven Maerivoet

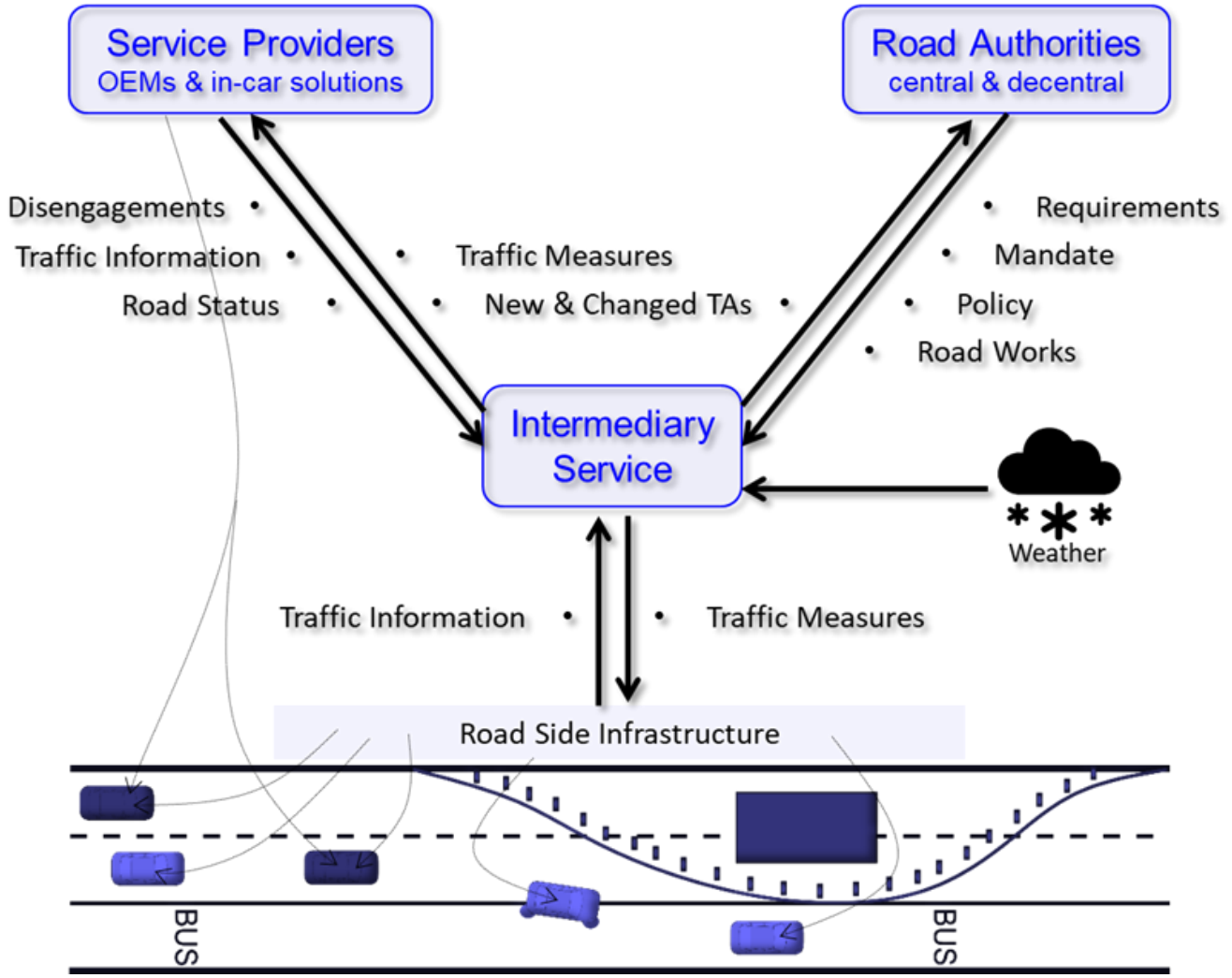# State-of-the-art of traffic management (**https://www.transaid.eu/deliverables/**)

- **Main topics**
  - General approaches
    - Coordinated network-wide traffic management
    - Using KPIs, hierarchical controls via layered architectures, TMaaS
  - Cooperative systems
    - V2X / VANETs / C-ITS
  - Artificial intelligence
    - Mostly machine learning techniques
   - Traffic light control and congestion / queue length predictions

- **Conclusion**
  - No (readily available) implementations of more advanced TM schemes
  - Focus on solving partial problems with specific measures

TransAID as a third-party intermediary service provider

Hierarchical traffic management

Goals, policies, and strategies
Provide TM services
Adherence to objectives
(Optimisation)
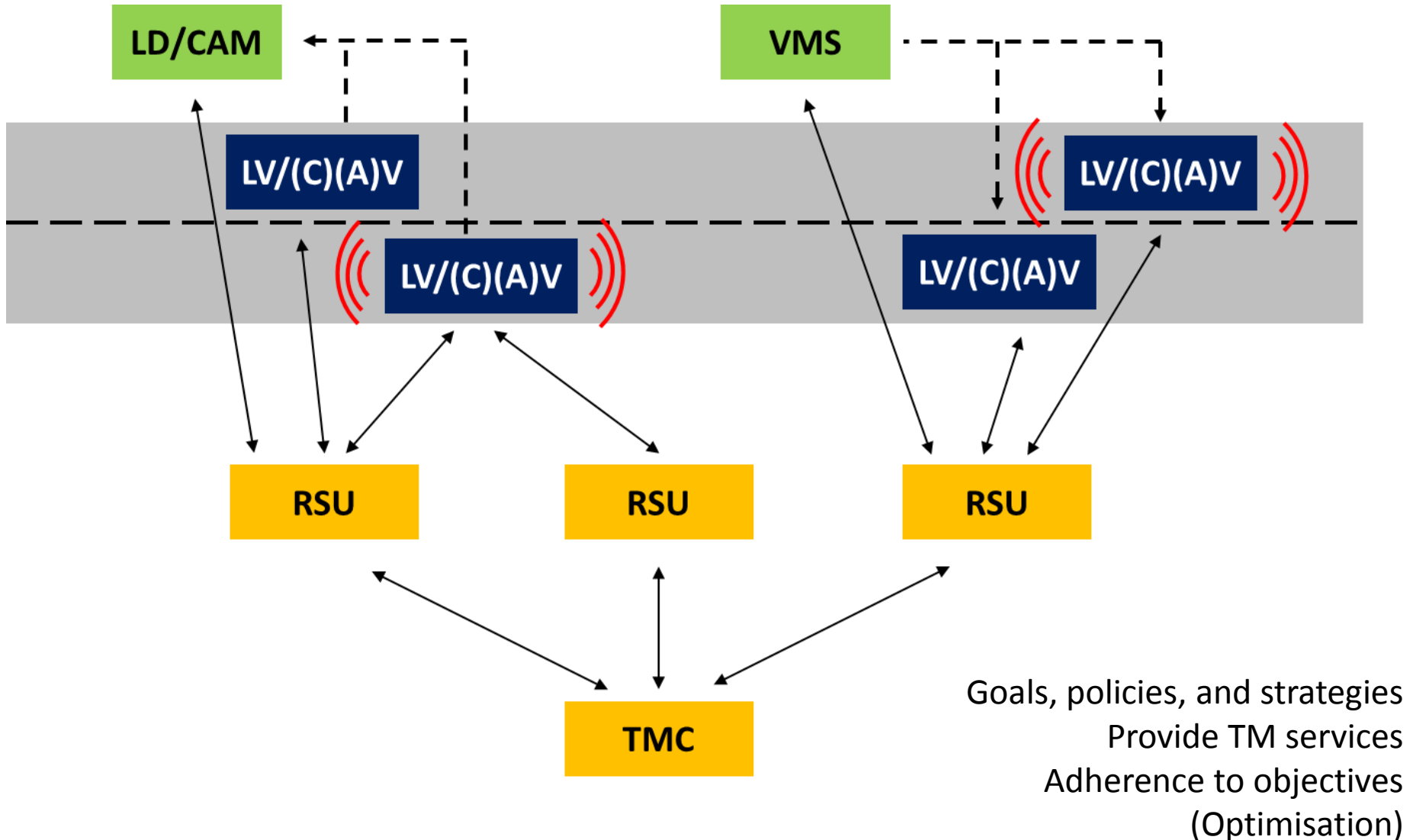
Discussion/attention points

- How to reach all types of vehicles?
  - LVs → VMS, in-car HMI, …
  - C(A)Vs → V2X
  - AVs → similar to LVs?

- Non-compliance of automated vehicles to traffic laws?
  - Off-ramp queue spillbacks cause hard shoulder lanes queues
  - Dynamic lane assignments and overtaking on the right
  - Different (non-official) lane markings at road works

- How to select the 'right' traffic management service at any given time?

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