



**MINISTÈRE
DE LA TRANSITION
ÉCOLOGIQUE
ET DE LA COHÉSION
DES TERRITOIRES**

*Liberté
Égalité
Fraternité*

Session 3:

Remote management operations

***EUCAD Symposium 2024 – Session 3 on remote management
April 19, 2024***

Moderated by Tom Alkim and Elsa Lanaud

Remote operation taxonomy

- Based on the taxonomy from *AVSC best Practice for ADS Remote Assistance Use Case (2023)* & *French characterization of remote intervention functions (2024)*

Remote operations

Dynamic driving task is performed by a human remotely

Remote driving

= real-time performance of part or all of the dynamic driving task
= *operational functions*

Dynamic driving task is performed by the system, with remote interactions with:

- vehicle / fleet = remote intervention

Dispatch

= dispatching vehicles to pick-up passengers / goods
= *strategical awareness*

Remote monitoring

= continuously or discretely monitoring vehicle state, identify issues and respond promptly
= *situational awareness*

Remote assistance

= real-time guidance and information
= *tactical functions*
≠ *operational functions*

- human = supervision

Customer support during and after transport service

Staff communication

Authorities and emergency services interactions

Other road users supports

Scope

- *What is the state of play of remote management activities, what are short term perspectives, challenges for both research and implementation?*
- *What do use cases tell us on remote management operations?*
- *How technological maturity plays a role in the way to define and characterize remote management operations?*