



# Webinar on Edge cases

This meeting will  
start at 10:30

May 11 2021, *Teams meeting*



ARCADE is funded by  
the European Union Horizon 2020  
Work Programme



# Welcome to the ARCADE edge case workshop

- Provide an overview of current state of edge cases
  - What are they? How to obtain them? How to use them?
- Sessions will be recorded
- Please close your camera and microphone
- ARCADE Team: Sami Koskinen, Satu Innamaa (VTT), Yvonne Barnard (University of Leeds), Erik Svanberg (Safer), Laura Sanz (IDIADA), Julien Bou (Bosch), Stéphane Dreher (ERT), Sytze Kalisvaart (TNO)



# Agenda 11 May 2021

- 10:30 Webinar for wider audience
  - 5 Speakers showing various approaches to edge cases
  - Finish with audience Padlet brainstorm on topics to be addressed
- 12:00 Webinar end
  
- 14:00 Interactive workshop with 3 break-outs
  1. Views on definitions of edge cases
  2. Approaches for identifying, collecting and sharing edge cases
  3. Using edge cases in safety validation



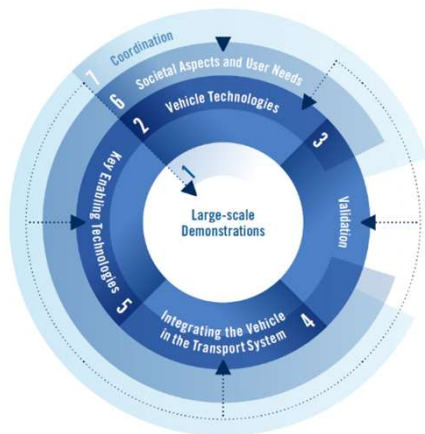
# Agenda webinar 11 May 2021

- 10:30 Introductions
  - ARCADE (Stéphane Dreher)
  - Introduction by Tom Alkim (DG RTD, EC, CCAM WG2)
  - Introducing edge cases (Sytze Kalisvaart (TNO))
- 10:50 Approaches on edge cases
  - The use of edge cases for the evaluation of an L3 system (Benoit Vanholme, BMW)
  - Narrowing down edge cases (Jacobo Antona-Makoshi, Leader at JARI)
  - Criticality Analysis as part of the VVMethods Safety Argumentation (Dr. Christian Neurohr, OFFIS)
  - MOSAR Solution Concept - Scenario library for the design & validation of ADS (Abdelkrim Doufene, IRT SystemX)
  - Impulse: Current edges to enable large scale adoption of autonomous driving technology in Europe (Arwed Schmidt, EasyMile)
- 11:50 [Padlet](#) inventory of topics to be addressed



# Welcome from ARCADE

- Welcome by Stéphane Dreher, ERTICO – ITS Europe (coordinator ARCADE)

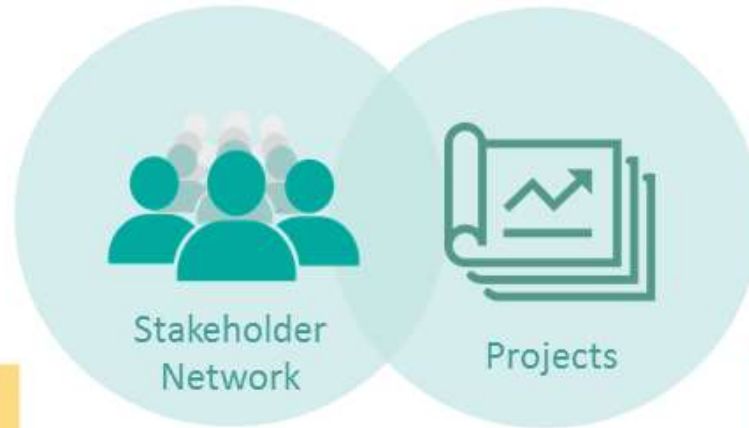


## CCAM Platform WG2

### CCAM SRIA:

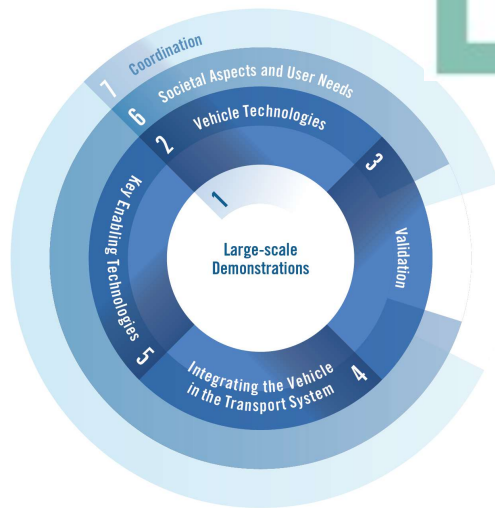
- Common evaluation methodology
- Gaps from Workshop 23 Nov 2020:
  - 3.1.Common source for describing ODD in terms of driving behaviour, accidents, scenarios and edge cases
  - 3.2.Method to define, find and use edge cases

Joint Stakeholder workshops  
 EU R&I Projects concertation workshops  
 Trilateral EU-US-Japan ART Working Group  
 EU CAD Conferences and Symposia



**ARCADE CSA**

- Oct 2018 – Sep 2021
- 23 partners from 11 States
- 50+ associated partners
- 2000 subscribers



R&I Project  
 Regulations & Policies  
 Strategies & Action Plans  
 Standards  
 Evaluation Methodologies  
 Data sharing



CCAM Clusters

<https://knowledge-base.connectedautomateddriving.eu/>

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# EU CAD Knowledge Base

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## Guidelines and Evaluation Methodologies

The methodology section provides impact assessment frameworks and other evaluation and test design related materials. It contains the following subsections:

- The [FESTA Handbook](#), the definitive source for Field Operational Test (FOT) methodology, applicable for also other type of field tests
- The [Automated Driving Testing and Evaluation Materials Toolkit](#), with links to helpful documentation for each FESTA section
- Information on other [Impact Assessment Frameworks](#) for Connected and Automated Driving
- The [FOT-Net Wiki and Catalogues](#), which are online sources to past Field Operational Tests and their tools
- [System Dynamics Modelling of CAD Impacts](#), an uprising evaluation method.