



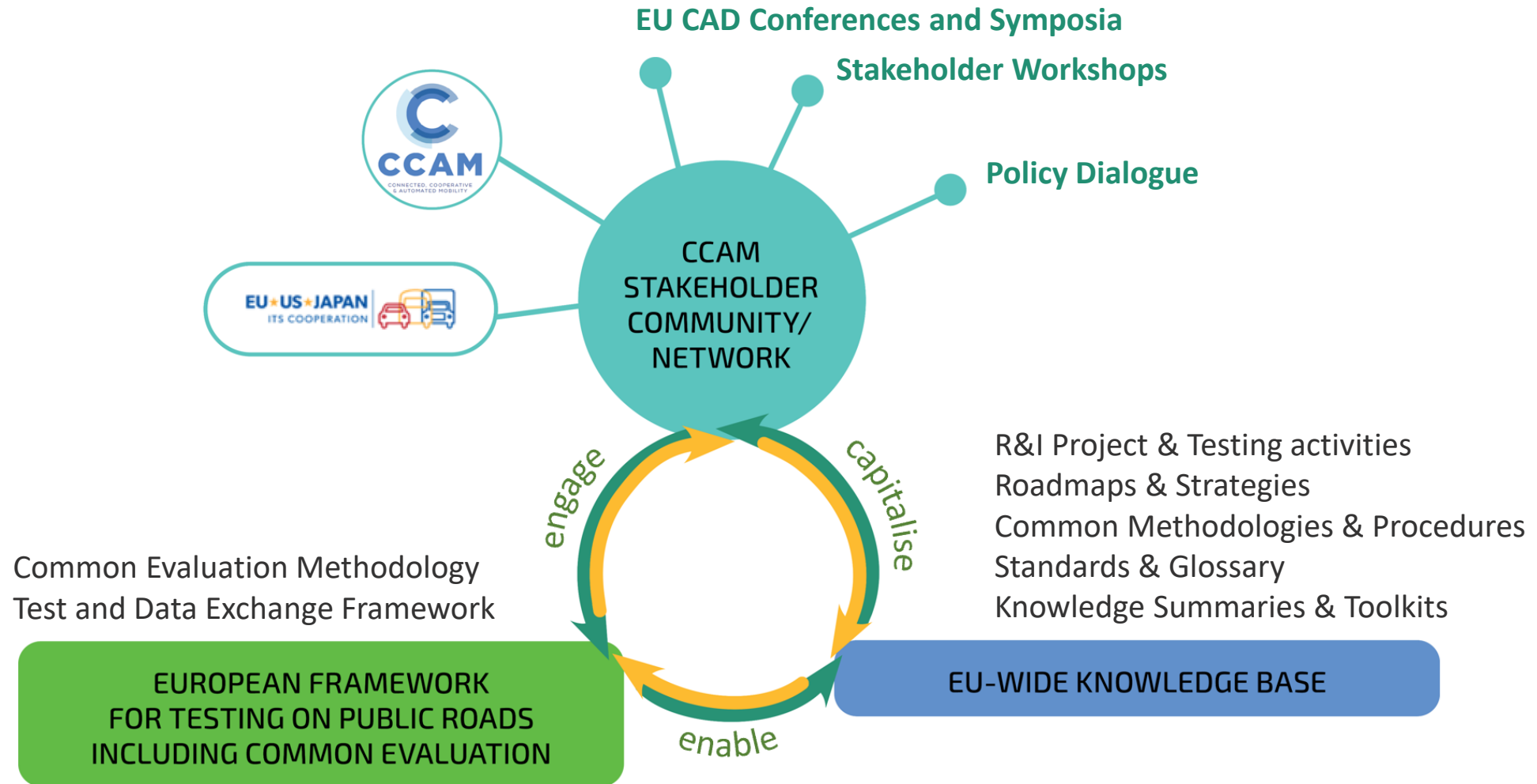
# Developing a common evaluation methodology for CCAM

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# FAME Framework for coordination of Automated Mobility in Europe




# Common evaluation methodology for CCAM

- FAME will develop a common evaluation methodology (CEM) that provides guidance **on how to set up and carry out an evaluation or assessment** of direct and indirect (wider socio-economic) impacts directed to different user groups
- CEM will be part of **European framework for testing [of CCAM] on public roads**
- Objectives for CEM
  - Resulting evaluation results are **easy to compare**
  - Evaluations can be planned to **complement one another and support meta-analyses**
  - **Common vocabulary** and **the comply-or-explain principle** help projects to communicate their approaches and findings to the CCAM community


# Aren't there already enough methodologies?



Methodology




Methodology



Deliverable D3.4 /  
evaluation plan

Version: 1.0 Final  
Dissemination level: PU  
Lead contractor: VTT  
Due date: 29.02.2020  
Version date: 01.07.2020



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Trilateral Impact Assessment Framework  
for Automation in Road Transport

Trilateral Impact Assessment Sub-Group for ART  
Satu Innamaa, Scott Smith, Yvonne Barnard, Lydia Rainville, Hannah Ralston



Methodology



Methodology

...and many more...

# Existing methodologies

- **FESTA** is not written for CCAM projects but for evaluation of driver support systems, mature enough to be used by ordinary drivers without supervision
- **Trilateral impact assessment framework for automation in road transportation** is on too high level to really harmonise approaches and does not involve guidance for all phases of methodology setting
- Most **other methodologies** are tailor-made for the projects that set them, reflecting the aim and evaluation resources of the project
  - Projects report the outcome of the methodology, less on how a methodology was or should be set (method behind the methodology)

# From a library of methods to CEM



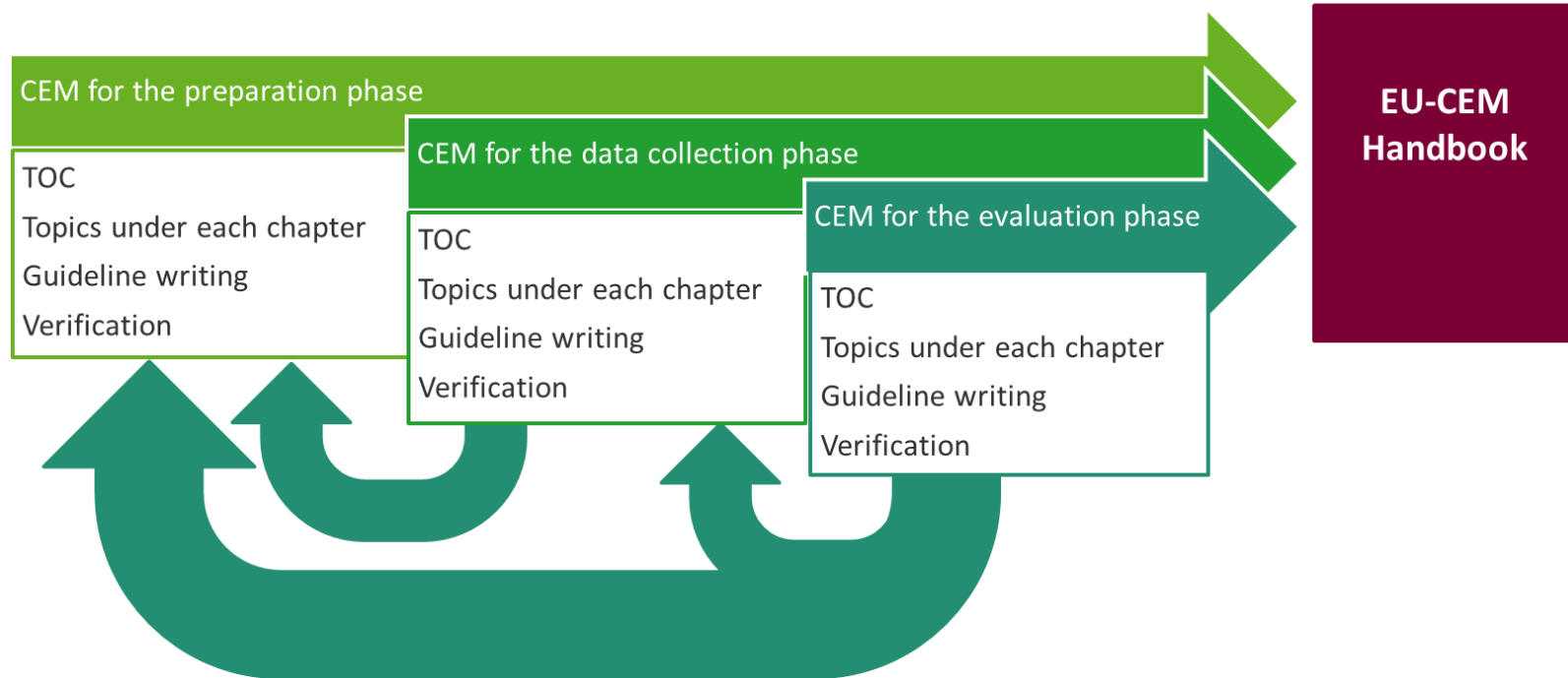
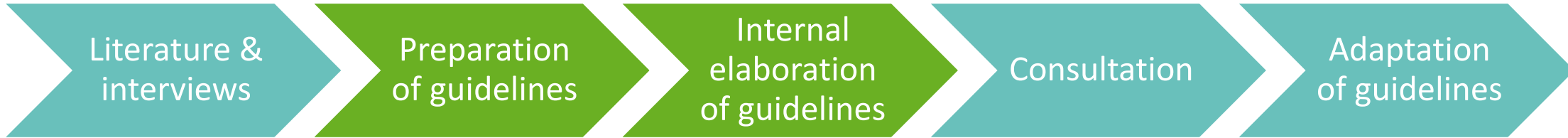
# Aim of CEM

- Provide **common language and basis** for CCAM evaluations
- Allow all CCAM projects to benefit of methodological **lessons learned and best practices** found
- **Better evaluation** of CCAM pilots and demonstrations
- Ensure **transferability of results** of CCAM pilots for future research, development and testing
- **Better excellence and progress** of research and innovation on CCAM
- Projects can provide **high quality input for decision and policy making**

# CEM (draft) principles

- The CEM provides a common evaluation methodology for all CCAM tests, setting minimum requirements for evaluation – **Guiding star principle**
- The CEM provides evaluation guidance inspired by lessons learned and best practices of CCAM tests – **Collaboration principle**
- The CEM provides guidance which should be followed, or the motivation for different choices should be explained – **Comply-or-explain principle**
- The CEM encourages agile ways of working in developing the project evaluation plan – **Agility principle**
- The CEM allows for flexibility in adapting it to each project's specific evaluation needs – **Flexibility principle**

# Process for CEM development



**CEM: Guidelines for how to lay the ground for successful evaluation when planning a project**



**Description of Action**

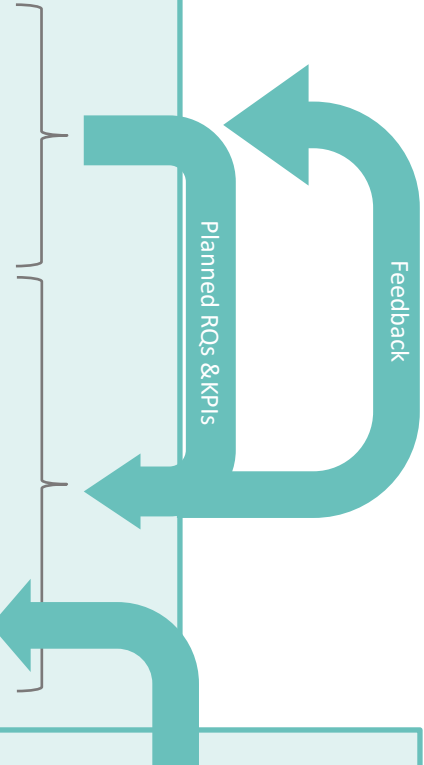
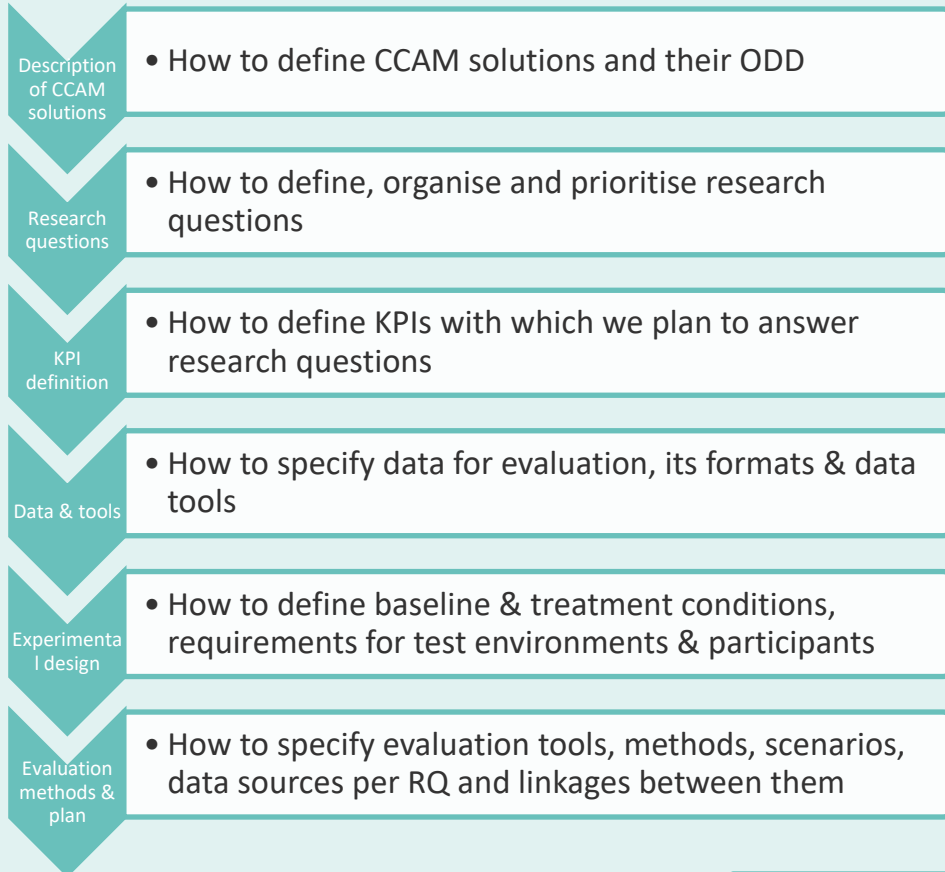
Scope and objectives

Approach(es)

CCAM solution(s)



**CEM: Generic guidelines for how to set the evaluation plan**



**CEM: Evaluation area specific guidelines**

# Timeline

- Methodology inventory & interviews **completed**
- CEM writing **on-going**
- First full draft **expected in 2024**
- Consultation & summer school **in 2024**
- **Final version in 2025**



# Thank you!



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