CALL FOR TENDER
CCAM PARTNERSHIP'S PROJECTS'
QUALITY AND IMPACT MONITORING
2024

Background

Connected, Cooperative and Automated Mobility (CCAM) Partnership is a contractual Public-Private Partnership that is running from 2021 to 2027 in the frame of Horizon Europe, between the European Union and the private side represented by the CCAM Association.

The purpose of the CCAM Partnership is to align all stakeholders' R&I efforts to accelerate the implementation of innovative CCAM technologies and services in Europe. It aims to exploit the full systemic benefits of new road transport mobility solutions enabled by CCAM: increased safety, reduced environmental impacts, and inclusiveness.

The CCAM Strategic Research and Innovation Agenda (SRIA) is the multiannual roadmap, guiding the CCAM Partnership. It describes the CCAM Partnership strategy for achieving the expected impacts, the corresponding portfolio of activities, the resources, and timeline. It sets the Partnership's operational, specific, and general objectives, defines the process for identifying and prioritising the research and innovation activities needed to achieve these objectives, and states respective Key Performance Parameters (KPI)

In general, the partnerships are an instrument meant to increase the competitiveness of the EU: they offer a more active role to industry and research stakeholders in defining roadmaps, in bringing their view and priorities to the EU Work Programmes definition and contribute to align priorities of different stakeholders active at different levels. While the research and innovation needs are driven primarily by industry, the execution of the calls and programme management is undertaken by the Commission services and its executive agency CINEA.

The CCAM Association represents the private side engaged in the Partnership, with (currently) 219 members representing: industrial companies (OEMs, suppliers, physical and digital infrastructure providers), service providers, research entities, universities, public authorities, sector associations, platforms, clusters and SMEs, involved in R&D, demonstration, or deployment of technologies and services covered by the CCAM Partnership. Association's role is to collaborate with the European Commission's services in defining the CCAM's Horizon Europe calls for proposals, disseminating information about the partnership and calls, and promoting the results of research projects.

Over the years 2021-2027, CCAM Partnership has a planned budget of €500 million coming from Horizon Europe. The private side envisaged to invest the equivalent amount. Through the CCAM Partnership calls in the first years of Horizon Europe, the EU has already funded 21 transnational pre-competitive, collaborative projects. 8 additional projects are expected to start any time soon. Participation to Horizon Europe CCAM projects is not limited to the members of the CCAM Association. The CCAM Partnership's projects only have the reporting duty towards the Commission services and its executive agency CINEA. They are, however, aware that they were set up under the CCAM Partnership's Work Programme and will be

expected to report on results to the European Partnership 'Connected, Cooperative and Automated Mobility' (CCAM) in support of the monitoring of its KPIs. For this, they may be asked for inputs by either the CCAM Association or by the CCAM coordination project, FAME.and its potential follow up coordination projects from Cluster 7

Objectives of the CCAM Partnership's projects' quality and impact monitoring
The main purpose of this monitoring activity is to evaluate to what level the partnership's operational, specific and general objectives have been or will be achieved and to ensure that the means to reach those objectives are consistent. Therefore, the monitoring shall gather the projects' learnings beyond the State of the Art so to understand and align their pathways from the programmatic input through the outputs of their activities to their outcomes towards the partnership's potential impacts. Evidently, the comparison of impacts with the general objectives of the CCAM partnership remains preliminary and presumable until the projects are concluded and have shown their full effect. At the same time, the monitoring shall help the projects to critically review and improve their quality and thus to maximize their potential impacts by better collaboration, cross-fertilization and valorisation of their results. All this having in mind the projects as building blocks and the bigger picture of the CCAM Partnership as a whole.

This process, especially with regards to questions asked to projects, should be conducted in accordance with the CCAM coordination project, [FAME and its potential successor](), whose aims are to develop and validate common methodologies and tools to facilitate the sharing of best practices and lessons learned resulting from projects on connected, cooperative and automated mobility at EU, Member States and international levels. The FAME project is in charge of [the Knowledge Base on Connected and Automated Driving (CAD)](), a one-stop shop for data, knowledge and experiences on CAD in Europe and beyond, and takes care of stakeholder engagement and dissemination. Complementarily, the CCAM Partnership's projects' quality and impact monitoring shall dive deeper into the substance of the activities and outcomes of single projects, give advice for their continuous improvement and provide consolidated conclusions on the impact of the CCAM partnership.

Additional result of this projects' monitoring could be the development of "quality and impact case studies": success stories that can be used to highlight best practices or pathways to impact of specific projects, or highlight follow-up opportunities for the future.

The projects' monitoring should also allow for an assessment or projection over time of progress towards Partnership's KPIs for the impacts set in the SRIA, the Partnership's visibility and positioning in the international context, and potential the needs for adjustment measures, also in view of potential follow-up activities in the next Framework Programme.

With those expected results, this projects' monitoring shall also support CCAM Partnership's preparation for the next edition of [the European Conference on the Results from the Road Transport Research]() (RTR Conference), co-organised among others by the CCAM Association and planned in 2025 for 11-13 February. EU research projects are invited to this conference twice during their lifetime: once at mid-term, and second time upon completion to share their results with a wider audience involved in the road transport research.

Monitoring questions
The questions below reflect the purpose of the monitoring and serve as guidance to understand our priorities and needs. We do not expect the contractor to specifically answer all

questions listed as examples, but to present an evaluation and consulting approach addressing the underlying information needs, assumptions and expectations.

At the project level:
- What progress has been made toward achieving the specific objectives of the project?
- What types of results have been generated ? (e.g. Demonstrators, Prototypes, Pilots)
- Are there any quantifiable results?
- What were the causes if results could not be achieved as planned ?
- How well is the project on track in contributing to the expected outcomes of the call and to the broader CCAM Partnership's goals?
- To what extent does the pathway to impact of the project align with the overall CCAM Partnership's objectives?
- What step in technology readiness level has been or shall be achieved be the project?
- What plans are in place to ensure the sustainability of the project outcomes?
- What additional benefits has the project enabled for the involved organisations? (e.g. Acceleration, Scaling-Up, Follow-Up Projects, Partnerships)
- What additional investments have been triggered with the contractual partners?
- How is the project positively impacting the community or target beneficiaries?
- Are there any unintended negative consequences that need attention?
- Have any risks for implementation or exploitation materialized in the project and how have are these being mitigated?
- Have any unforeseen quality challenges emerged, and how are they being addressed? (e.g. in Leadership, Commitment, Cooperation in the Consortium, Stakeholder Participation, Fluctuations, Qualifications, Information Flow, Communication, Exploitation)
- What best practices and lessons learned can be derived from the project for the continuous improvement of the CCAM partnership?
- Are there any challenges or successes in stakeholder networking and involvement in the project that could be picked up by the FAME project or the future Cluster 7 Work Programme?
- Are there any cross-sectoral (from other modes of transport, other EU partnerships, etc.) or international stakeholders involved in the project that could be included in the knowledge base managed by FAME?
- Are there any gaps in skills or knowledge that need to be addressed?
- Are there any tools developed that could be included in the FAME Tools Inventory?
- How is the knowledge generated in the project being captured, communicated and utilized for future projects?
- Which pathways of knowledge transfer occurred within the project?
- Are or will the project contribute to any patents or standards?
- To what extend have the project activities been connected to academic theses ?
- In which ways have the projects results been communicated?
- Is there any room for improvement in presenting the project results?

CCAM Partnership's progress:
- How can the landscape of the CCAM projects be characterized? (e.g. sizes, types, regional coverage, participants..)
- Which notable results has the CCAM Partnership as a whole produced so far?

- How do the projects as building blocks contribute to the achievement of the Partnership's specific objectives?
- How well do the pathways to impact of the projects reflect the partnerships goals, and how could they be grouped for monitoring, and better aligned for improvements?
- To what extend will the general objectives of the CCAM partnerships foreseeably be reached?
- Which relevant impacts of the CCAM partnership can already be stated?
- Will any of the CCAM Partnership's targets set in the SRIA probably not be reached, and if yes, why?
- What has been the evolution of cooperative, connected and automated mobility beyond the State of the Art since 2021 and to what extent can it be attributed to the Partnership?
- How does the progress of the CCAM partnership compare to comparable programmes in EU Member States and beyond (e.g. in the US, Japan, Korea)?
- What impacts (scientific, technological, economic, and societal) at beneficiary, industry and policy/society level can be assigned to the CCAM partnership?
- How could the exchange of knowledge and experiences between the projects of the CCAM partnership be improved, e.g. though clustering or within the FAME project?
- How to best present consolidated results to wider audience, including during the next edition of the RTR Conference?
- What best practices and lessons learned can be derived for the improvement of the quality of the CCAM partnership at project, programme and coordination level?
- How could the events of the CCAM Partnership Association be further developed to improve collaboration and progress in the community?
- What recommendations can be derived from the ongoing projects have for the next CCAM Work Programmes – still to be drafted?
- What perspectives do the results of the CCAM partnership provide for the follow-up of the CCAM Partnership in the next Framework Programme?
- What knowledge valorisation activities could the Partnership organise or promote among projects, complementarily to the FAME project?

Knowledge valorisation is understood here as the process of creating social and economic value from knowledge by linking different areas and sectors and by transforming data, know-how and research results into sustainable products, services, solutions and knowledge-based policies that benefit society. Guidance for practitioners is available on the EU Knowledge Valorisation Platform.

Methods
The contractor will propose relevant and established methodologies to analyse the quality, evaluate the progress and assess the foreseeable impacts of CCAM Partnership's projects. It will include in-depth interviews and consultancy with project coordinators, questionnaires and consultations with other stakeholders such as the FAME project, CINEA and the CCAM partnership association.

Role
Acting on behalf of the CCAM Partnership Association and being a third party between projects and the European Commission, the contractor takes an impartial stance, combining an advisory function for the projects' quality with a bird's eye on the objectives and future prospects of the partnership. A close collaboration with the FAME project will be essential to avoid misconceptions, create complementarity and make use of potential synergies.

Timeframe

The study will be performed from May 2024 to April 2026.
An intermediary report will be delivered in January 2025.
The policy document will be delivered in January 2026.
The final report will be delivered in April 2026.
Bilateral meetings will be organised before and during the study period, between the contractor and the CCAM Association (Secretariat and some members of the Administration Board and the Executive Group).

Format

The final report will be about 80-100 pages (+ eventual annexes) and contain an executive summary, an introduction of the methodology, the results of the research, selected examples and a set of well-reasoned recommendations for the progress of the CCAM partnership at projects and programme levels as well as a list of references. It will summarise, compare and assess qualitative and quantifiable data gathered from the projects in a scientifically sound way and present those in graphs and figures. Additionally, the CCAM Partnership's projects portfolio should also be presented.

The final report shall be accompanied by a brief policy document of 12-15 pages highlighting the main findings of the study in visuals and storytelling based on success stories. that can be used for high-level policy makers and management. It should be easy to read by a variety of stakeholders and usable for outreach.

Confidentiality and legal obligations

All information provided by CCAM Association, its members and project coordinators regarding EU funded projects will remain confidential.
All data collected for the preparation of the report should be made available to CCAM Association's Secretariat upon request.

Estimated budget

Up to 170,000€

Expertise required

Contractor should demonstrate relevant experience in managing the quality of European projects, evaluating R&I funding programmes, developing strategies for road transport research, and analysing the benefits and impacts of public and private R&D funding. However, contractor cannot be directly involved in coordinating any of the running CCAM Partnership projects.
Applicants must also demonstrate that they have sound knowledge and understanding of:
- The Horizon Europe framework programme and European public-private partnerships
- The EU and global automotive market
- Trends impacting road transportation (technology and regulation)
- Connected, cooperative and automated road transport mobility
Applicants must have excellent knowledge of the English language.

Tender submission

To be considered for this service, tenderers with the required profile shall submit the following documents in English:
- Offer, including methodology, timetable, budget breakdown and quality management measures.

- CV(s) of the contractor(s), references with full contact details and references of relevant examples of work performed in comparable assignments

The offer needs be sent by **25 April 2024** to Ms Marzena Jougounoux, CCAM Association Head of Office at marzena.jougounoux@ccam.eu