

Cluster 5 SSH-AI Relevant Topics

**HORIZON-CL5-2027-06-D6-04 : Holistic solutions for CCAM integration
in critical scenarios (CCAM Partnership)**

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Overall Objectives:

- ▶ Improve safety, resilience and reliability of CCAM systems in critical and high-risk situations
- ▶ Address less frequent but high-impact events:
 - ▶ extreme weather, incidents, cyberattacks, traffic disruptions
 - ▶ loss of Operational Design Domain (ODD)Support future CCAM large-scale demonstrations
- ▶ Support future CCAM large-scale demonstrations

Type of Action: RIA

Opening: 03 Jun. 2027

Deadline: 07 Oct. 2027

HORIZON-CL5-2027-06-D6-04: Key SSH-related dimensions

- ▶ **Stakeholder analysis & roles**
 - ▶ Users, operators, authorities, emergency services, regulators
- ▶ **User perspective, trust & acceptance**
 - ▶ Safety perception, security, confidence in CCAM systems
- ▶ **Governance & decision-making**
 - ▶ Shared governance models
 - ▶ Coordination with road authorities and first responders
- ▶ **Social participation & societal integration**
 - ▶ CCAM as a socio-technical system
- ▶ **Socio-economic impact & risk assessment**
 - ▶ Social and economic losses
 - ▶ Differentiated impacts of critical events

Why applying a Social Sciences and Humanities perspective is essential and what it aims to achieve

*“This topic requires the effective contribution of SSH disciplines and the involvement of SSH experts, institutions as well as the inclusion of relevant SSH expertise, in order to produce meaningful and significant effects **enhancing the societal impact of the related research activities**”. (topic text)*

- ▶ Resilience is ultimately about people, institutions and trust, not only about automation.
 - ▶ CCAM solutions involve also:
 - ▶ Human behaviour under stress
 - ▶ Institutional responsibilities & Coordination among multiple actors
 - ▶ Trust, legitimacy and accountability & User acceptance
 - ▶ Without SSH there is the **risk of technically robust but socially untrusted** or poorly governed **CCAM solutions**
- ▶ The involvement of SSH experts will help to achieve:
 - ▶ Safer and more resilient CCAM systems
 - ▶ Higher user trust and acceptance by enabling real-world deployment
 - ▶ Stronger governance capacity & better coordination between authorities, operators and emergency services
 - ▶ Responsible and transparent CCAM deployment by ensuring the aligned with EU values and public expectations