

# Smart Decision Systems for Resilient Emergency Response

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- *SINTEF DIGITAL*
- Role: *Proposal coordinator*
- Proposal activity: SU-DRS02-2018 – sub topic 2018 Open
- *We are also interested in joining other consortia addressing this topic*

# Proposal idea/content

- *Develop and integrate novel solutions for emergency responders working in the field*
  - *AI-supported flexible and adaptable user interfaces*
    - *Narrow-channel user experience, chat-bots, HUD, physical interaction, augmented reality, ...*
  - *Risk-based decision support based on situated, distributed machine learning / AI*
  - *Resilient, flexible and adaptable infrastructure*
    - *Multi-cloud, non-internet fall-back, ad-hoc infrastructure, 5G, ...*
  - *Affordable technology*
- *Realistic validation*
  - *VR/AR for training and evaluation*
  - *Realistic settings both for training and evaluation*
  - *Both short and long term evaluation*
  - *Also methodological results*

# Project participants

- Proposed coordinator: *SINTEF*
  - *SINTEFs expertise in the project*
    - *AI-supported flexible and adaptable user interfaces*
    - *System architecture*
    - *Evaluation (both conducting and method development)*
- Partners / Other participants:
  - *Technology partner providing VR/AR-based training and evaluation (Norway)*
  - *End-user partner – Norwegian fire department*
- Looking for partners with the following expertise/ technology/ application field:
  - *Research and/or technology partners*
    - *Machine learning / AI*
    - *Flexible, resilient infrastructure (cloud, ad-hoc, ...)*
    - *Ethics*
  - *End users*