

Future Requirements for the Use of Simulation at Skills, Command and Strategic Levels

Cecilia Hammar Wijkmark, Swedish Rescue Services Agency, Sweden

Ilona Heldal, University West, Norway

Agenda

- MSB – firefighter and incident command training
- Training as experiential learning
- Training needs at different levels
 - Skills level
 - Command level
 - Strategic level
- The use of simulation in rescue service training
- Implementation of virtual simulation at MSB, experiences
- Future directions



Myndigheten för
samhällsskydd
och beredskap

Provides training and exercises for organisations, public authorities and individuals

National and International level.

The objective is to ensure that societal actors possess an excellent capacity to prepare for and handle an emergency as well as manage and mitigate its consequences.

Firefighter and Incident Command courses

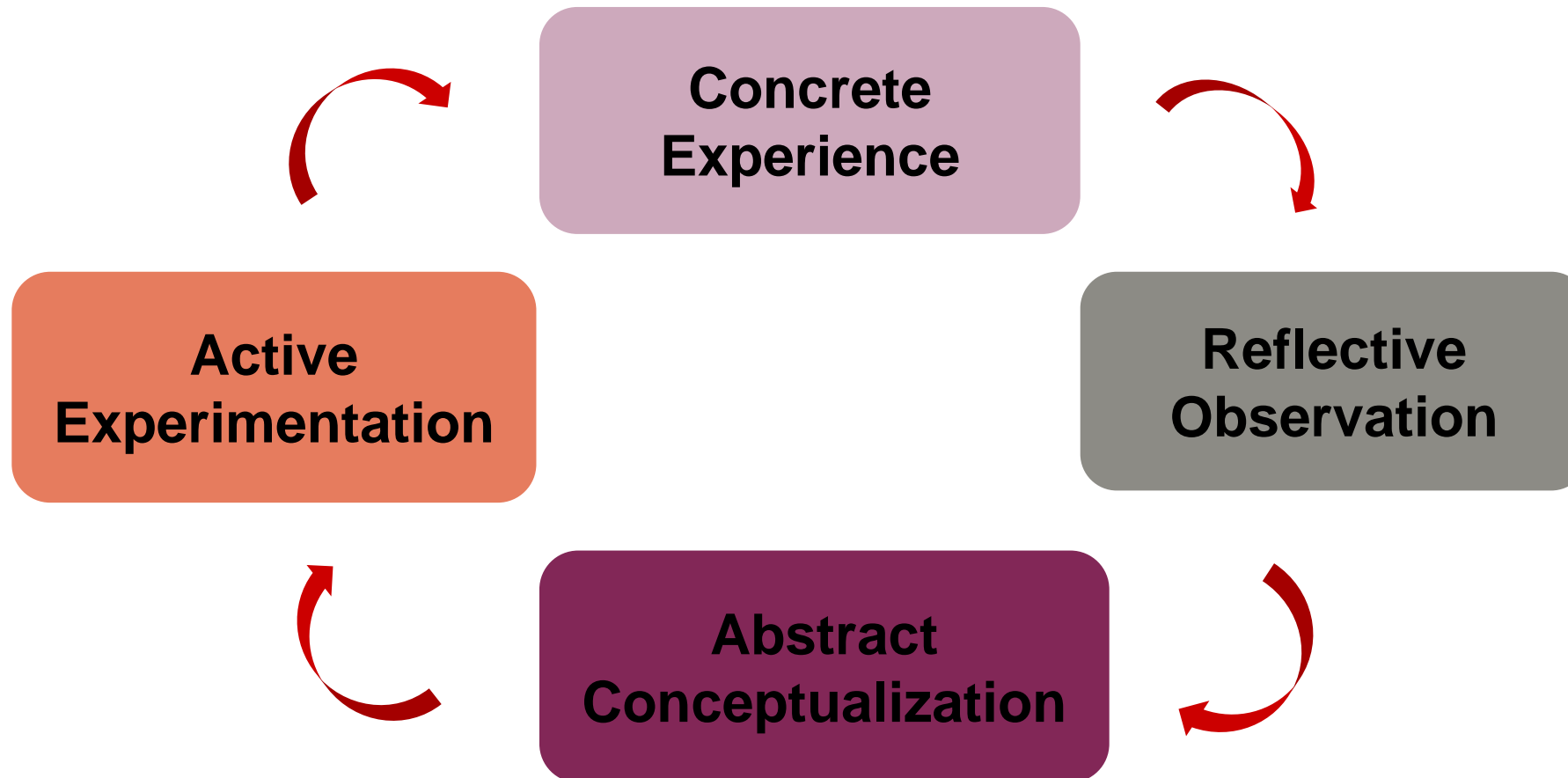
A safer world in a changing society

- New material, vehicles, batteries etc
- Climate change
- Antagonistic actions

A fire is not only a fire....

Training as experiential Learning

Kolb's cycle



Training needs at different levels

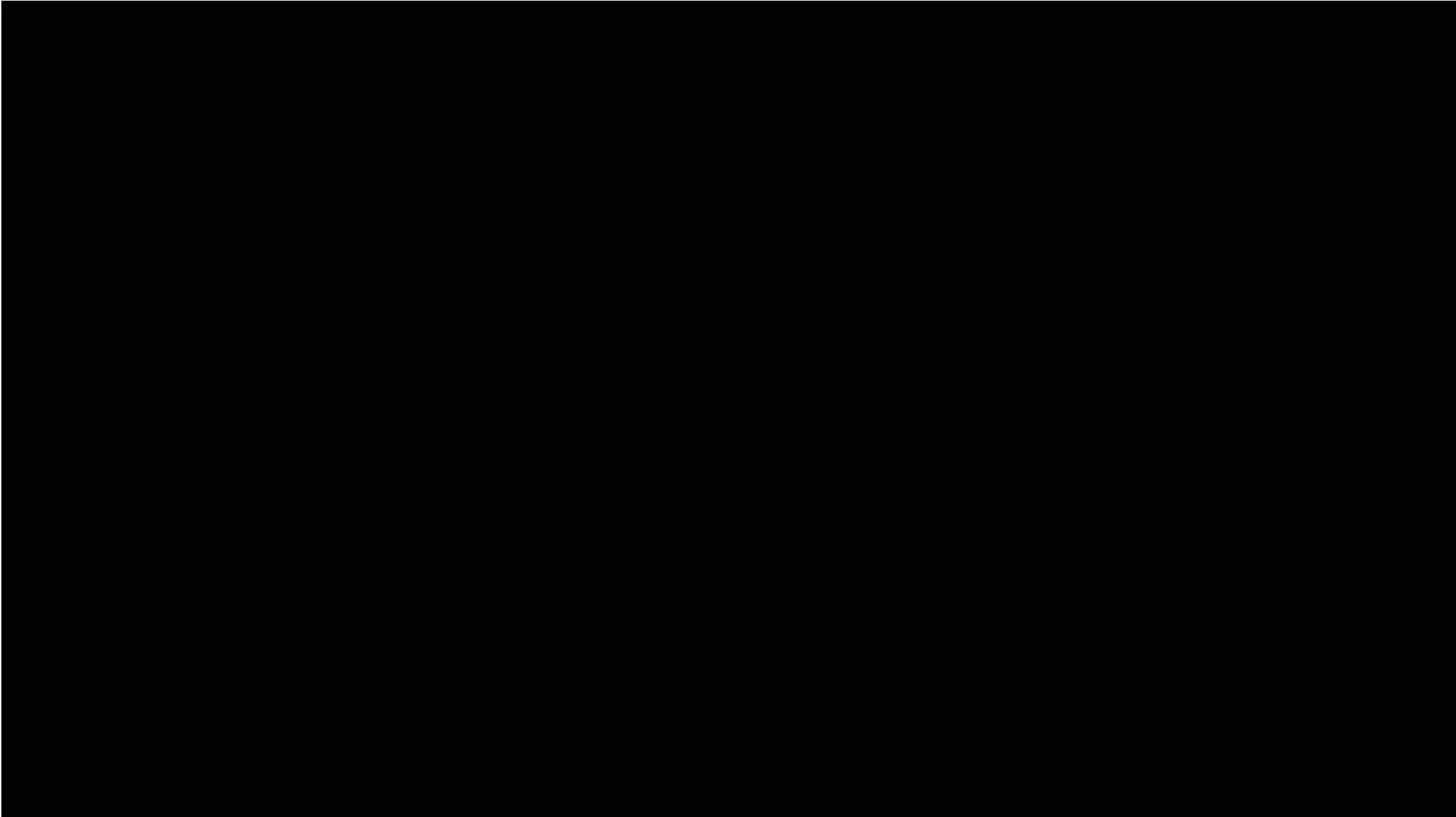
- Skills
- Command
- Strategic

The use of simulation in rescue service training

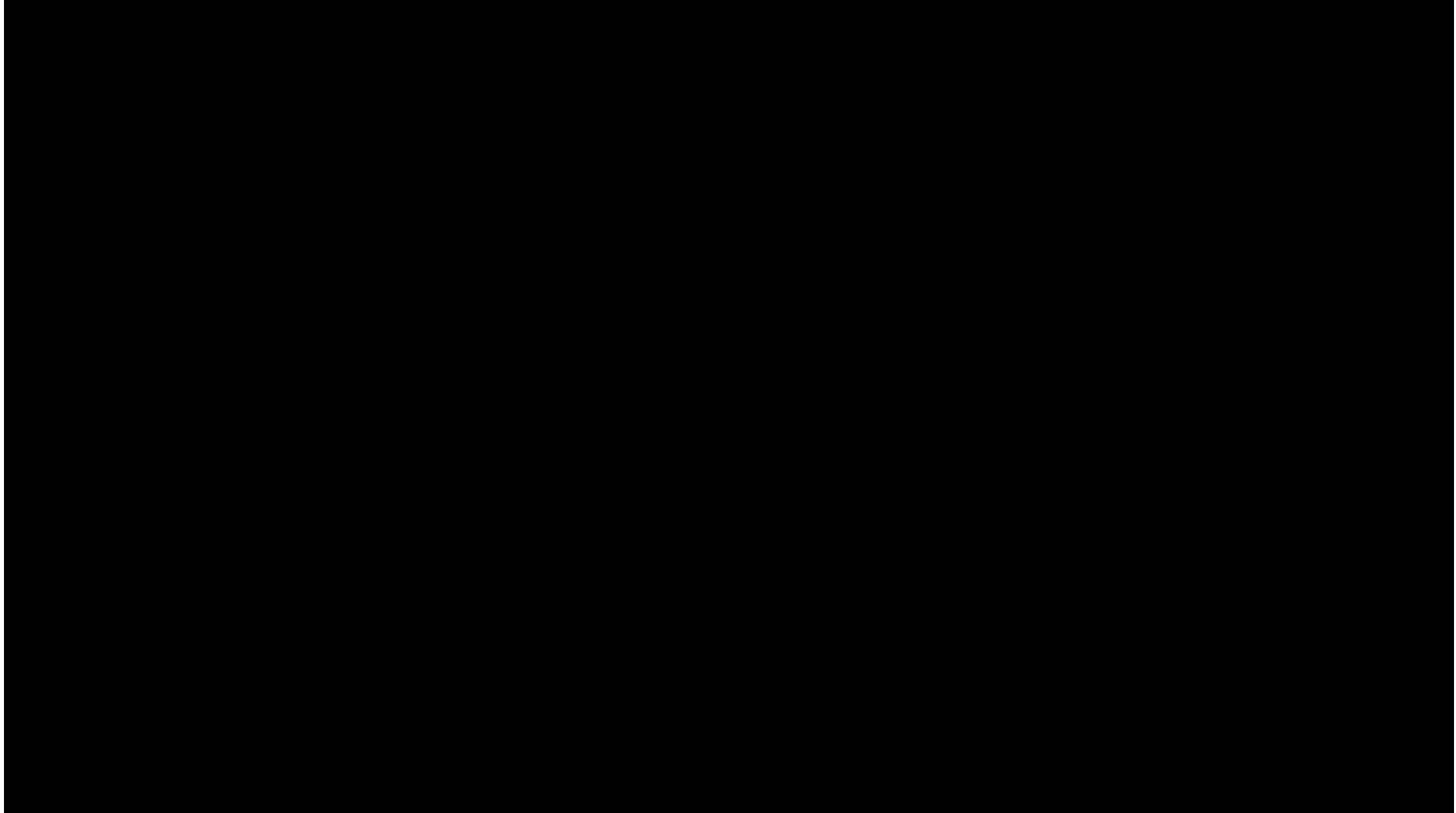
- Skills level and Command level



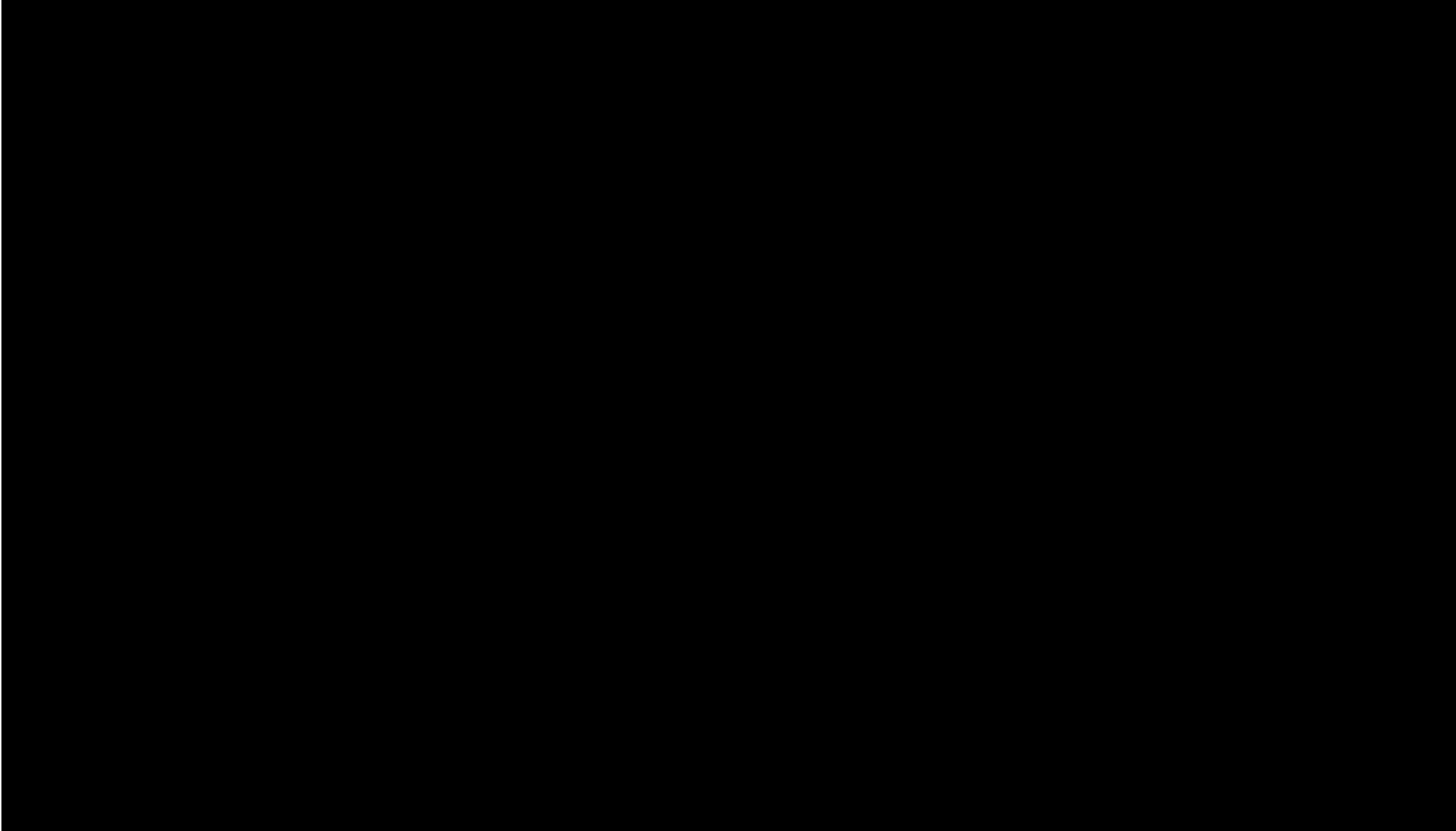
Skills level



Live simulation – Incident commander 2nd week



Command Level



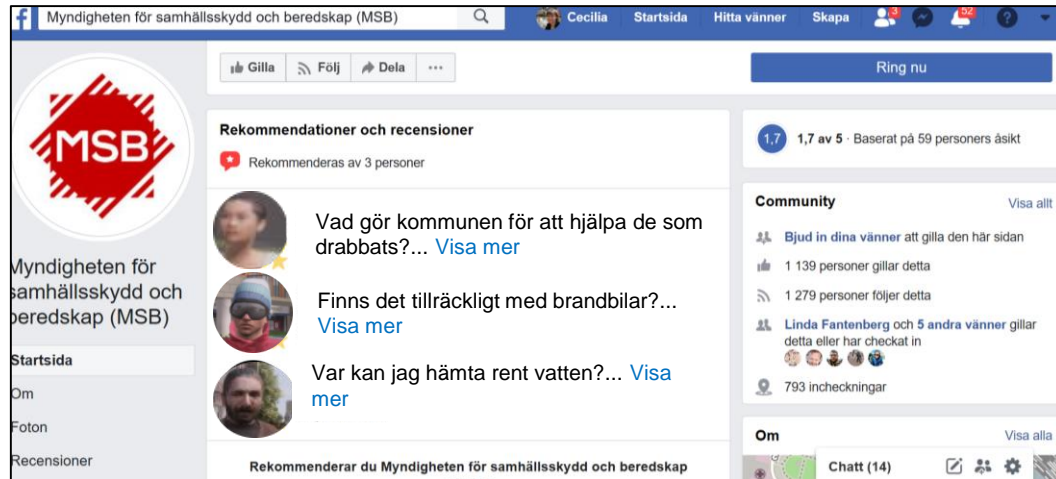
Live simulation: joint exercise Arena Sandö



Virtual simulation, joint exercise, februari 2019



Strategic level



Future requirements

Design of scenarios

Interoperability between different technologies

Integration of virtual simulation in live simulation

Integration of virtual simulation in education

Develop capabilities to integrate new technologies in organisations

Tank you for listening!

Cecilia.hammarwijkmark@msb.se

Ilona.Heldal@hvl.no