

## Problem Scope

1

### Large-scale, distributed collaboration

- higher level of complexity
- higher level of dynamic

### Challenges in awareness support

- the distributed nature of awareness
- the fleeting awareness requirements

Overall objective

Motivate

## This Research

### Conceptual model

- the field of work
- the distributed nature of awareness
- the awareness processes

3

### Computational approach

- the event-driven awareness promotion framework
- knowledge representation and updating
- promoting event-driven awareness processes

5

6

7

### Design & Development

- dependency model
- event notification
- visualization

8

### Case study

- emergency response

9

## Knowledge Space

### Theories

- situation awareness
- team awareness
- activity awareness

2

### Models

- space-based models
- event-based models

4

### Methods

- formal knowledge representation
- event processing
- visualization techniques

### Methodologies

- knowledge acquisition
- scenario-based design
- design evaluation methods

Existing knowledge

Ground