Search and Rescue
Intelligent planning & task support for search and rescue

**Description:**
- Knowledge-based tools for RAF Search and Rescue
  - Selecting plans.
  - Generating “To Do” lists.
  - Automating status information.
- CoSAR-TS to share plans and processes between collaborating software agents in a Search and Rescue scenario
  - Uses DAML ontologies to support matching of resources to needs.

**Technical approach:**
- RAF Search and Rescue: O-Plan style planning based on CommonKADS model.
  - Linked to multiple user interfaces.
- CoSAR-TS: Shared intelligible models
  - tasks, structures, agents, capabilities, …
- I-X Process Panels for activity management.
  - Success through providing task support to human decision makers.

**Benefits:**
- RAF Search & Rescue was capable of
  - Automating administrative tasks.
  - Planning efficient use of helicopters & crew.
  - Used to provide specification for fully developed system.
- CoSAR-TS
  - Enables cooperation between software and human agents.
  - Links models of coalition organizational structures, policies, and doctrines with intelligent task support software.

RAF SAR: AIAI, DRA, Royal Air Force
CoSAR-TS: AIAI, IHMC, BBN Technologies
http://www.aiai.ed.ac.uk/project/cosar-ts/