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.

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.

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.

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