Co-OPR – Compendium and I-X

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http://www.aiai.ed.ac.uk/project/co-opr/

- **Compendium** - Collaborative sensemaking and group memory to integrate COA & DIME analyses
- **I-X** - Intelligent collaborative command, planning and execution support
- **<I-N-C-A>** - Underlying model for sharing of issues, activity nodes, constraints and annotations
Co-OPR – Expt B Results Summary

- Compendium aided the Plans Director by integrating both the informal factors of COA and DIME analysis, in the process generating a structured group memory [as anticipated]

- I-X proved useful in aiding the Military Planner to identify and refine operational approaches, and propose these to the group [as anticipated]

- Compendium and I-X were both able to be adapted dynamically to the Planning Cell’s preferences for changes of approach and terminology

- Advanced knowledge and AI planning technologies were effectively hidden behind the scenes in order to preserve a simple visual interface for the planning team [as anticipated]

- Tools allowed effective use of “grey matter” and silicon during the experiment.
Grey Matter and Silicon

I-X Inputs to Compendium during Expt B

- Issues and Responses
- Activity Options
- Constraints/Maps
- Annotations/Notes
Linked collaborative planning and plan analysis aids share tasks, standard operating procedures, policies and current situation information

Links between informal human-oriented outline planning and more structured semi-automated detailed planning

Outer level: human relatable and presentable objective statements, sensemaking, advice, multiple options, argumentation and outline plans

Inner level: detailed planners, search engines, constraint solvers, analyzers and simulators act in an understandable and controllable way to provide feasibility checks, detailed constraints and guidance

Sharing of issues, activity options, constraints and annotations between humans and systems operating at various levels

Context and current environment sensitivity