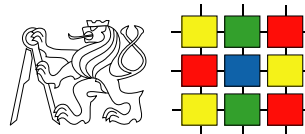


Distributed planning and coordination of team oriented activities: (initial brainstorming session of the project)

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<http://agents.felk.cvut.cz/>



Stand-in Agents

A very specific multiagent technique supporting interaction among the agents while inaccessible or off-line (due to intentional logging off from the network or due to inaccessibility caused by properties of e.g. an ad-hoc networking environment). Stand-in agent is a copied agent that either becomes on-line when the owner is off-line or migrates to such a part of the network that retains its connectivity with the other agents.

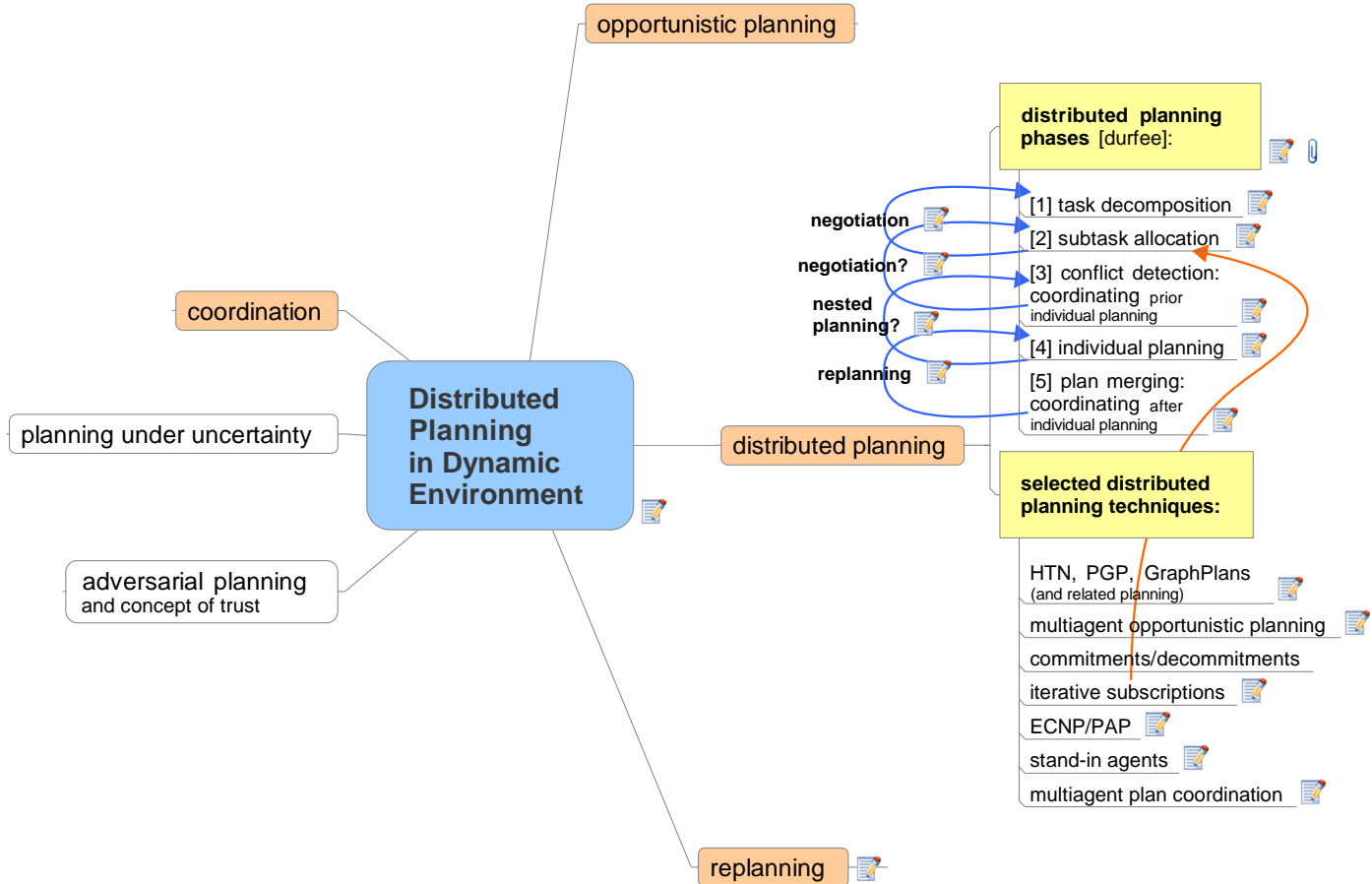
- Various distributed methods for optimal placement of the stand-in agents have been designed and investigated (such as *forward swarming* and *backward swarming*).

Stand-in agents are expected to support the DP architecture in the phases 1, 2, 3 and 5.

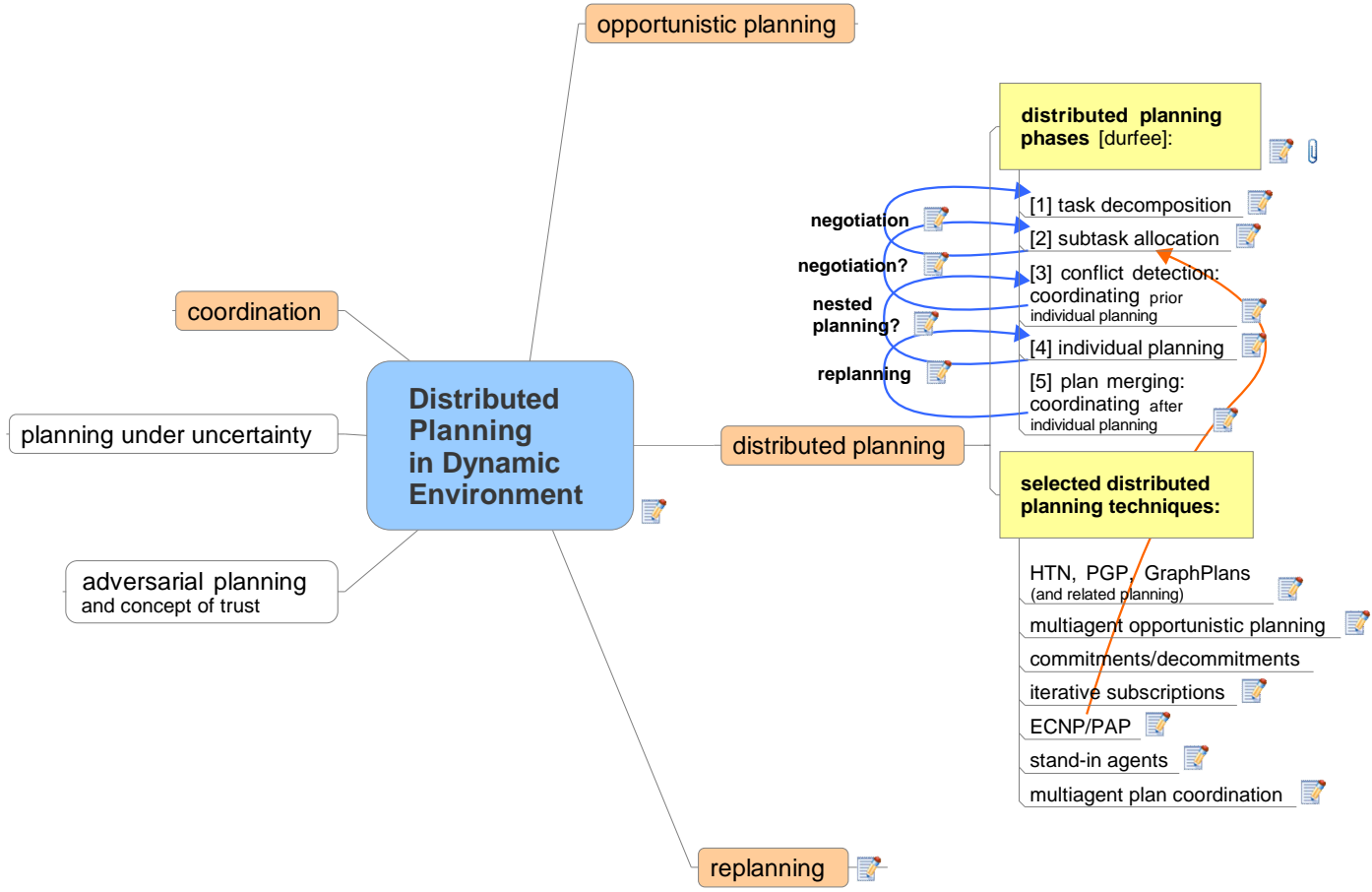
- ⊕ implemented and tested in ad-hoc networking environment
- ⊖ integration with DP architecture may not be straightforward



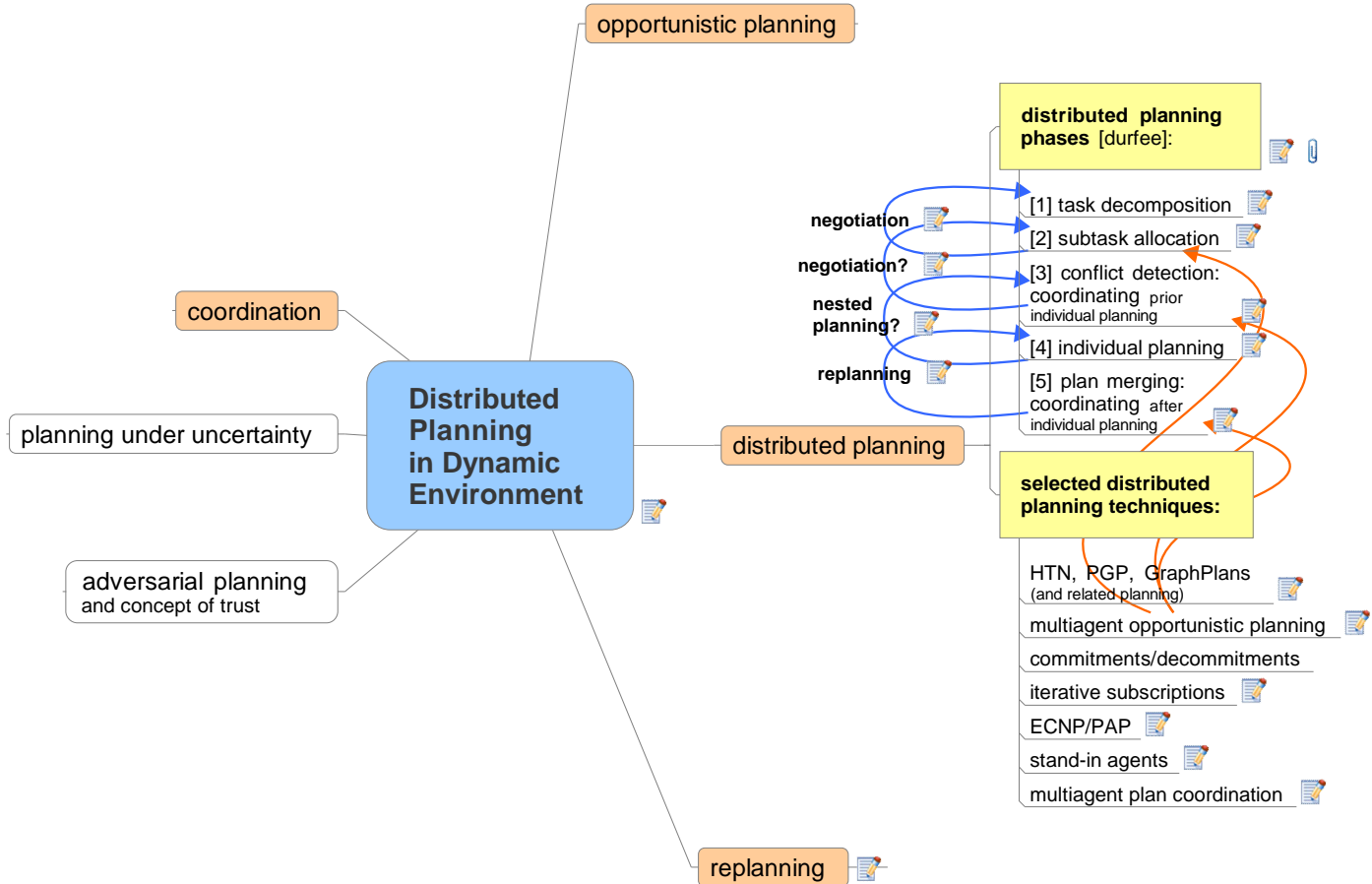
Techniques Supporting Distributed Planning



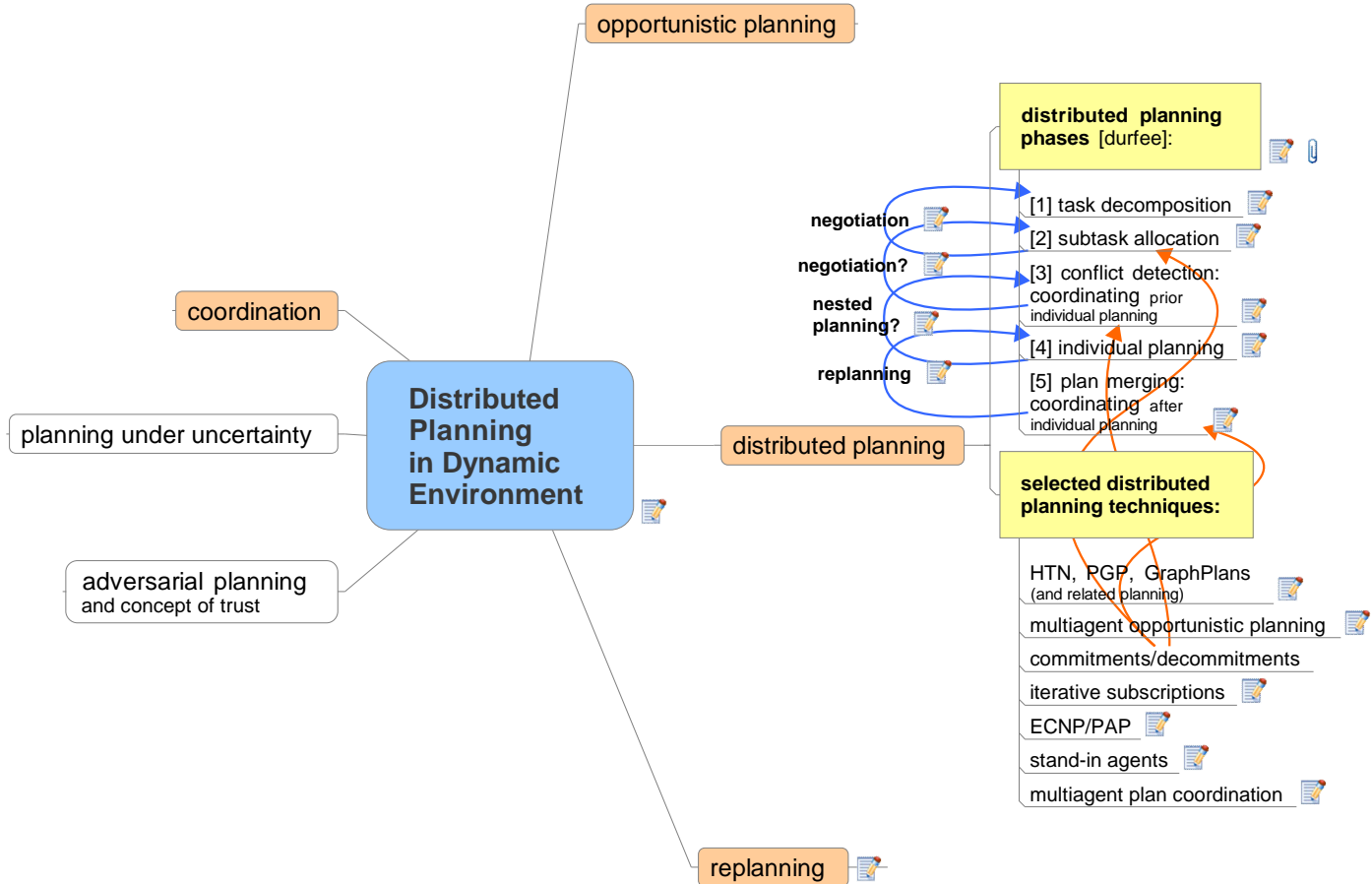
Techniques Supporting Distributed Planning



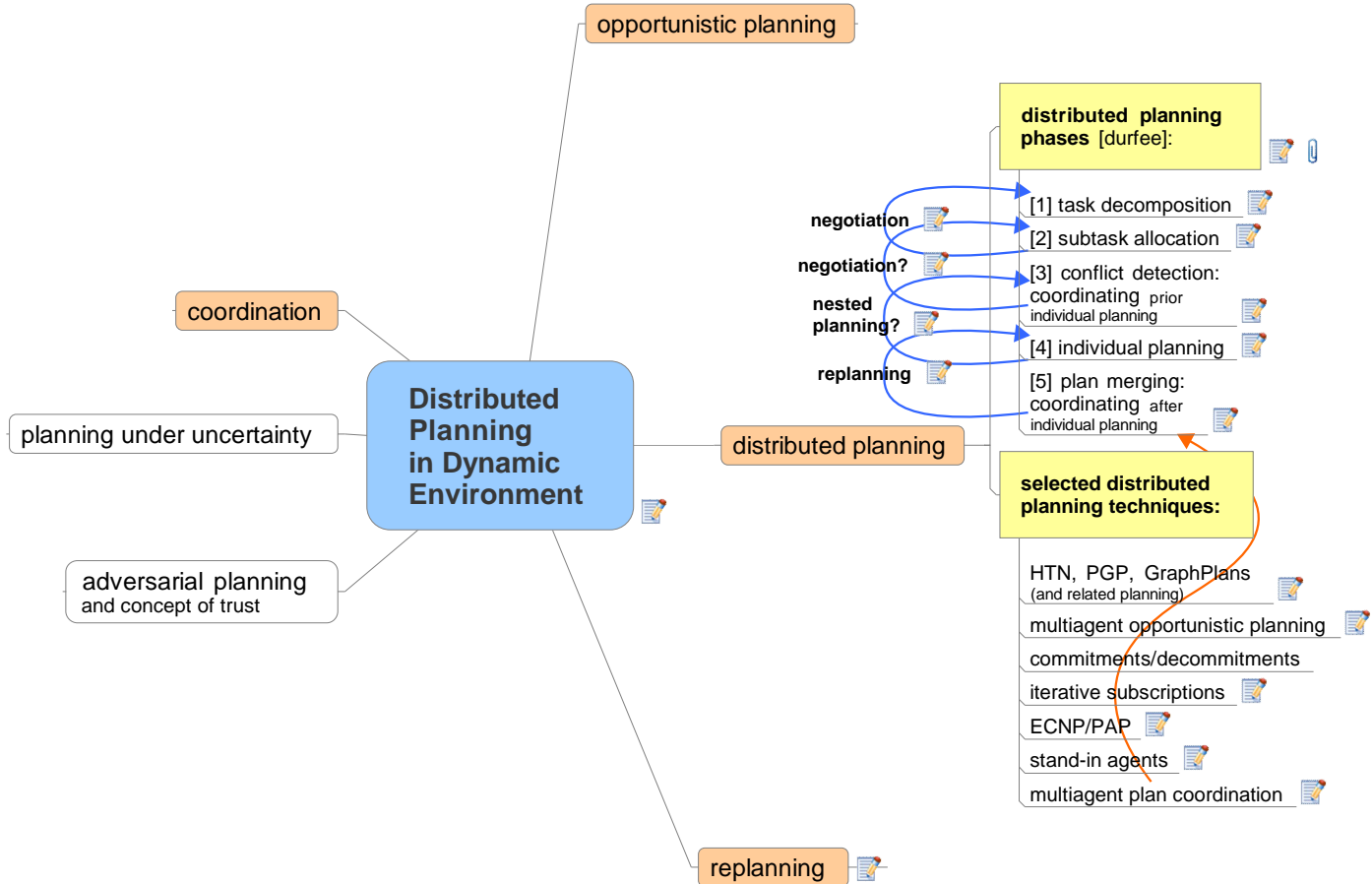
Techniques Supporting Distributed Planning



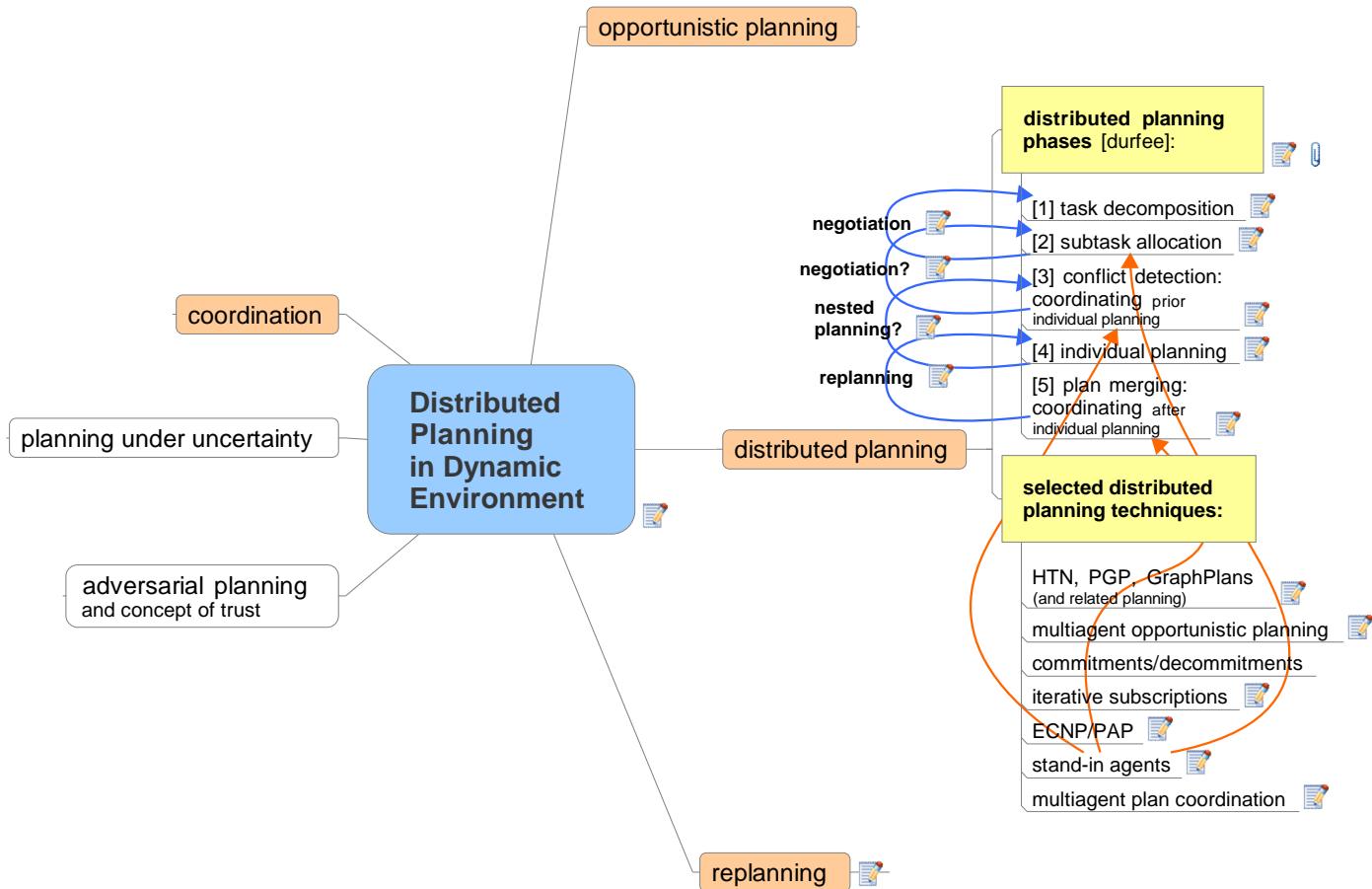
Techniques Supporting Distributed Planning



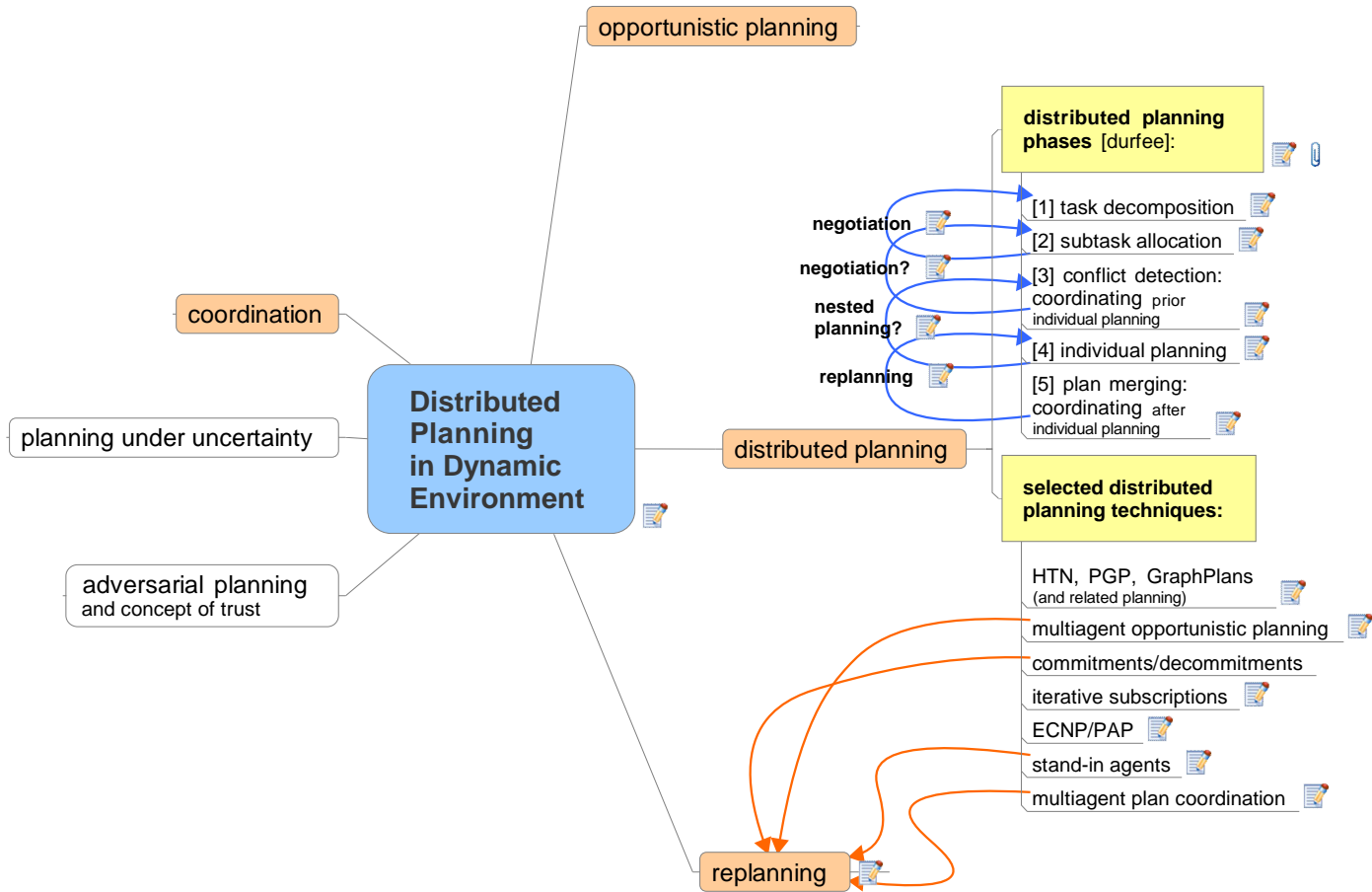
Techniques Supporting Distributed Planning



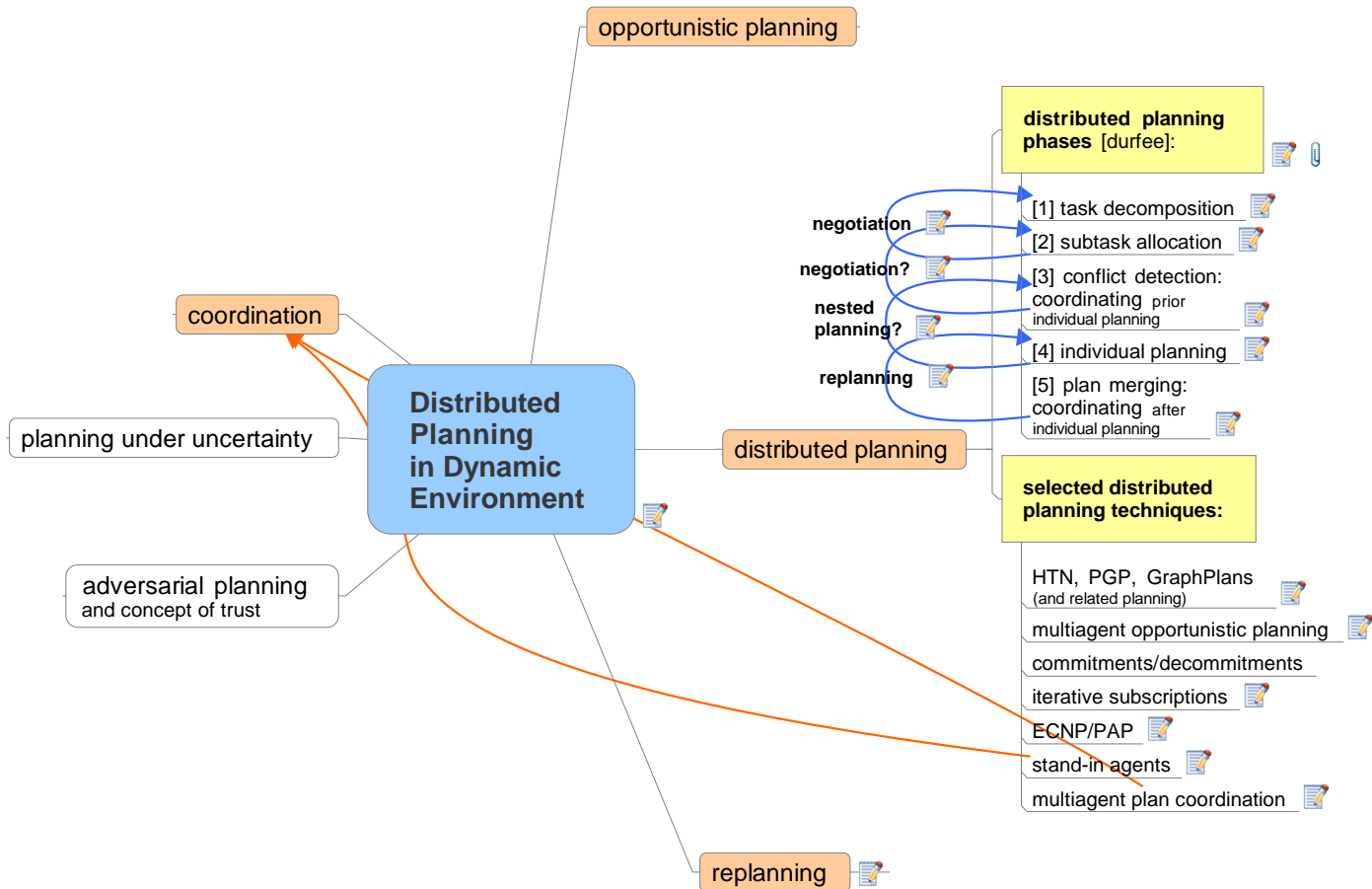
Techniques Supporting Distributed Planning



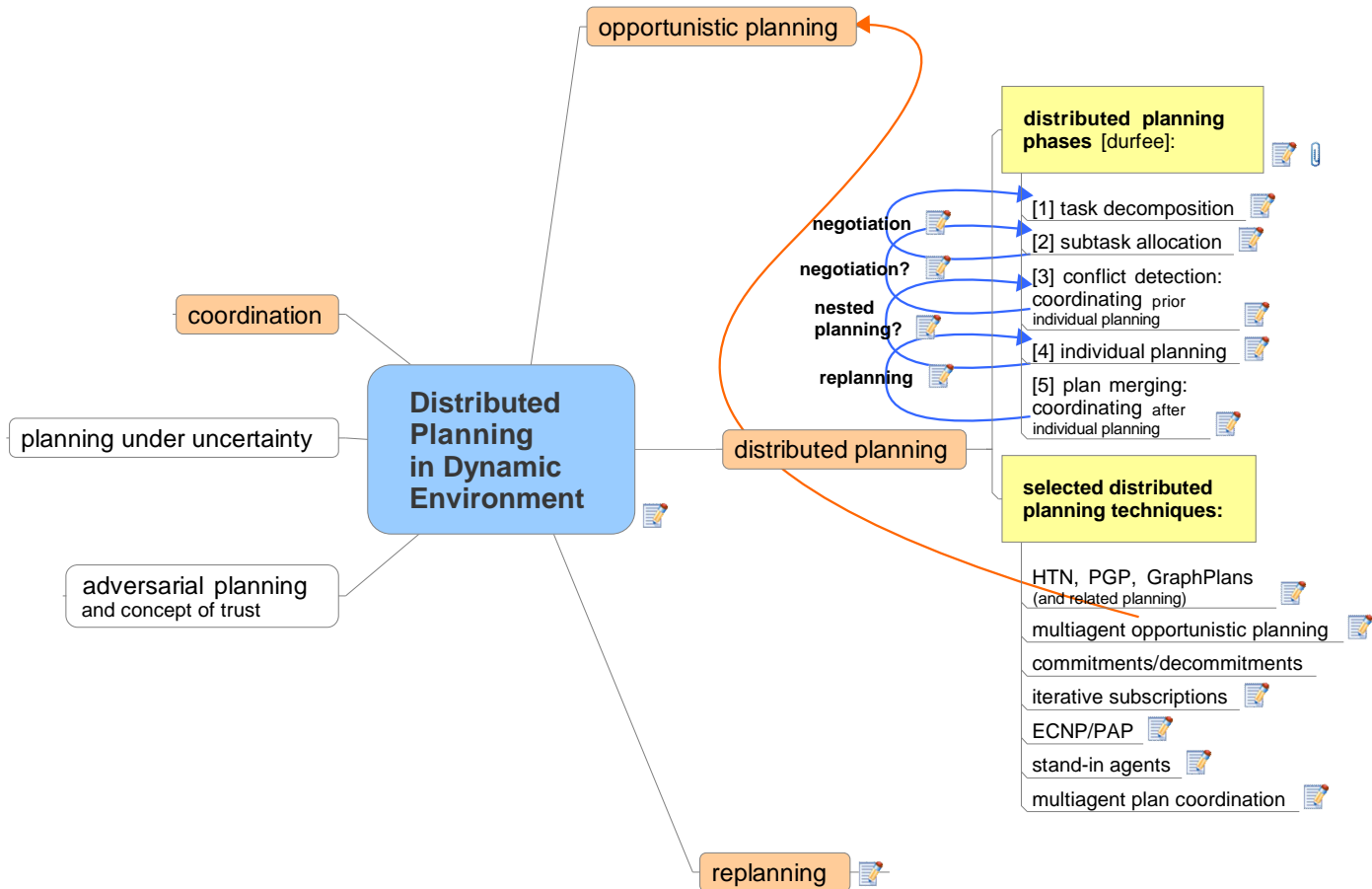
Techniques Supporting Distributed Planning



Techniques Supporting Distributed Planning



Techniques Supporting Distributed Planning





- **A-globe** multi-agent environment provisioning and adaptation, collaboration on the computational model of the scenario
- deployment and adaptation of IQBM, ECNP, Stand-in agents
- work on the formal model of DP architecture and integration of further methods
- deployment of methods of computational reflection in multi-agent system (??)





Task for the following period

1. design the specification of the domain scenario
2. analyze how existing software infrastructure can support this scenario
3. carry out some preliminary integration exercise
4. plan for a final demo
5. collect the appropriate DP techniques, suggest an integrated DP architecture
6. write a report (and a publication)
7. prepare a follow-up proposal

