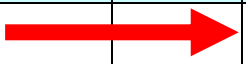
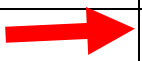
NOAA ISET, Research Area III, Albert Esterline

Milestones

Question/Anticipated Results	Year 1	Year 2	Year 3	Year 4	Year 5
What are some typical data fusion problems in this domain and how can a multiagent system facilitate their solution? ➢ Prototype multiagent data-fusion system for restricted data sets.					
What architectural issues (regarding multiagent systems) relate to the grid, the Internet infrastructure to be used, and other communication infrastructure? ➢ Formalize a model addressing these architectural issues					
Design a multiagent coordination protocol appropriate for the domain. Does this protocol guarantee certain general properties (e.g., that certain desired conditions eventually hold and certain undesirable conditions never hold). ➢ Multiagent coordination protocol ➢ Critical features of the architecture model-checked					
What are the specific requirements for the agents and how are they to collaborate for the problems at hand? ➢ Specification of agents and their collaboration.					
Integration of a multiagent system with a realistic environment. ➢ A working, if restricted, multiagent system for fusing data as per the specifications					
Integration of all aspects in a real-world application addressing all domain and architectural issues ➢ A working, reliable, multiagent system covering all the specifications