



NASA AIST-05 Sensor Web PI Meeting - Feedback

Concept Diagrams - C, B, A

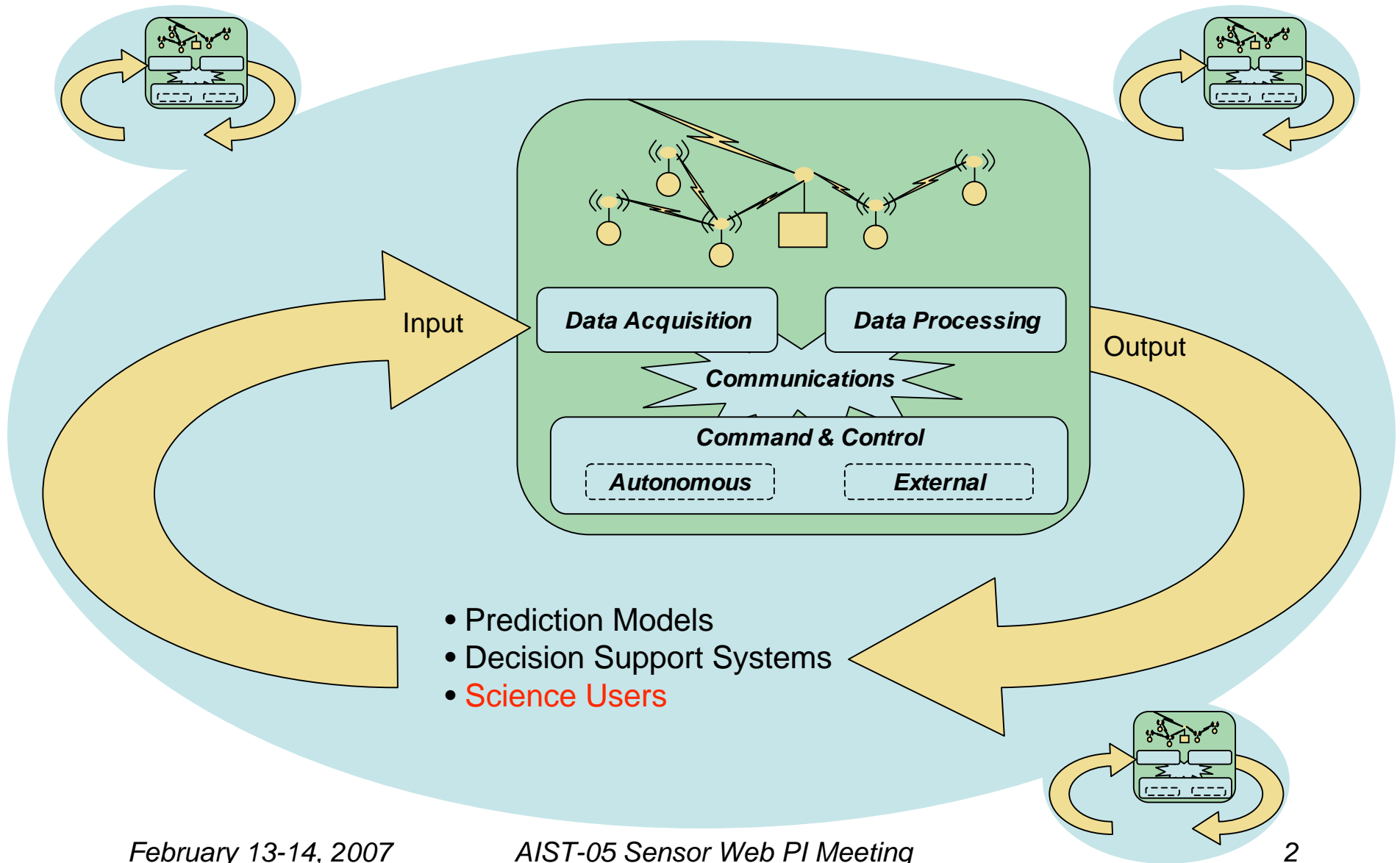
Scenario Diagrams - C, B, A

Project Mapping - Group C

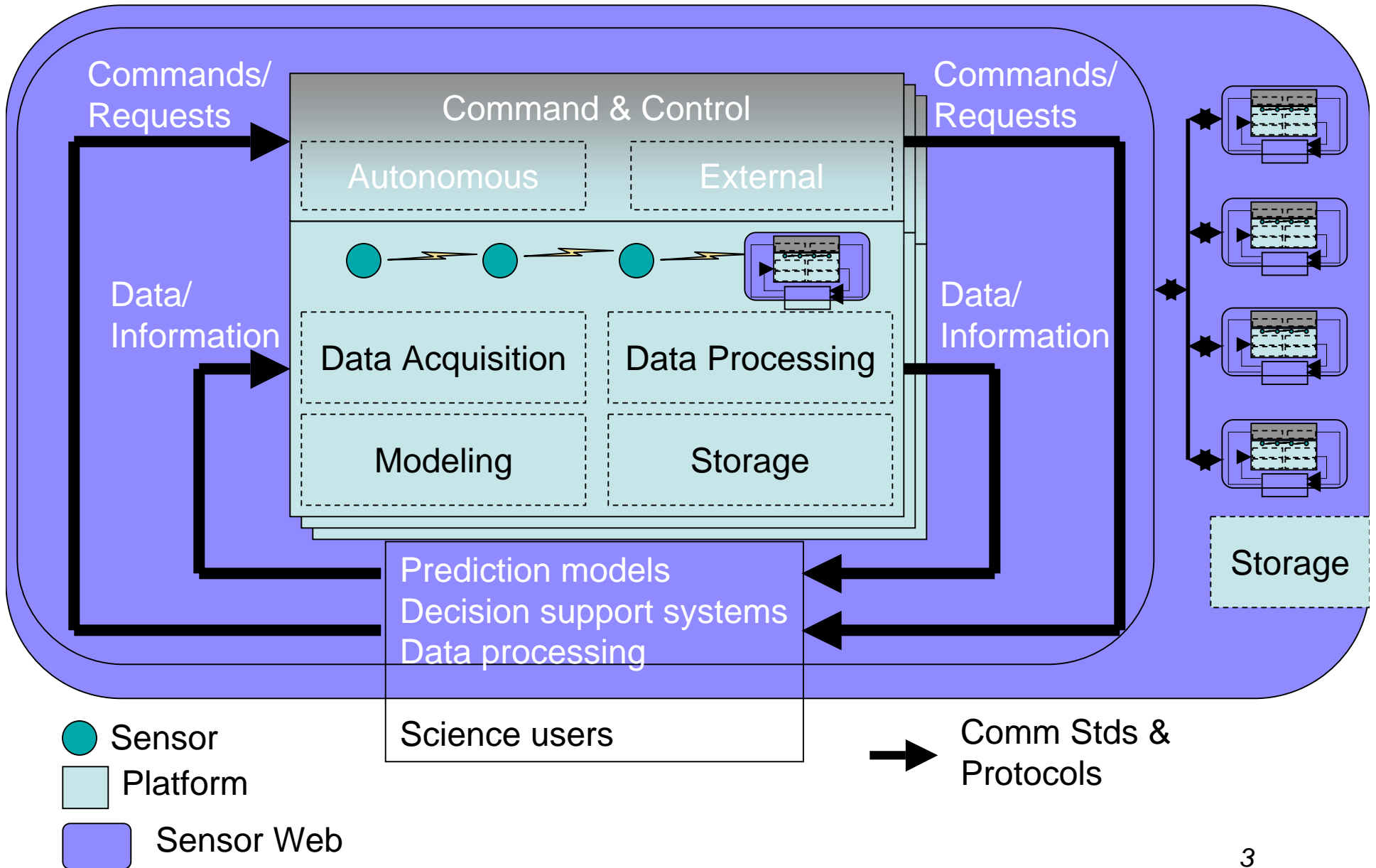
Capabilities Roadmap - Group A

February 14, 2007

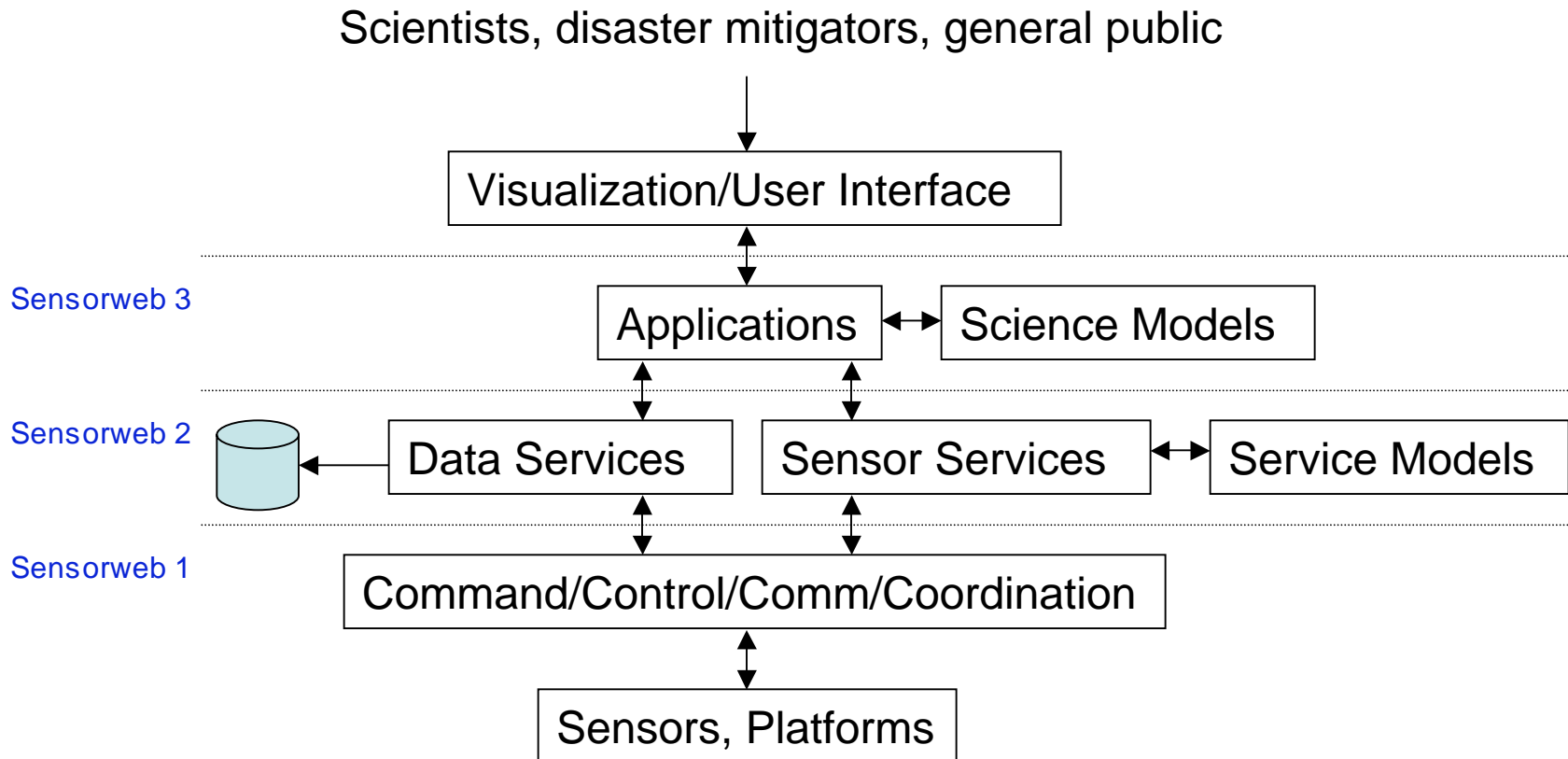
Architectural Concept - Group C1



Architectural Concept - Group C

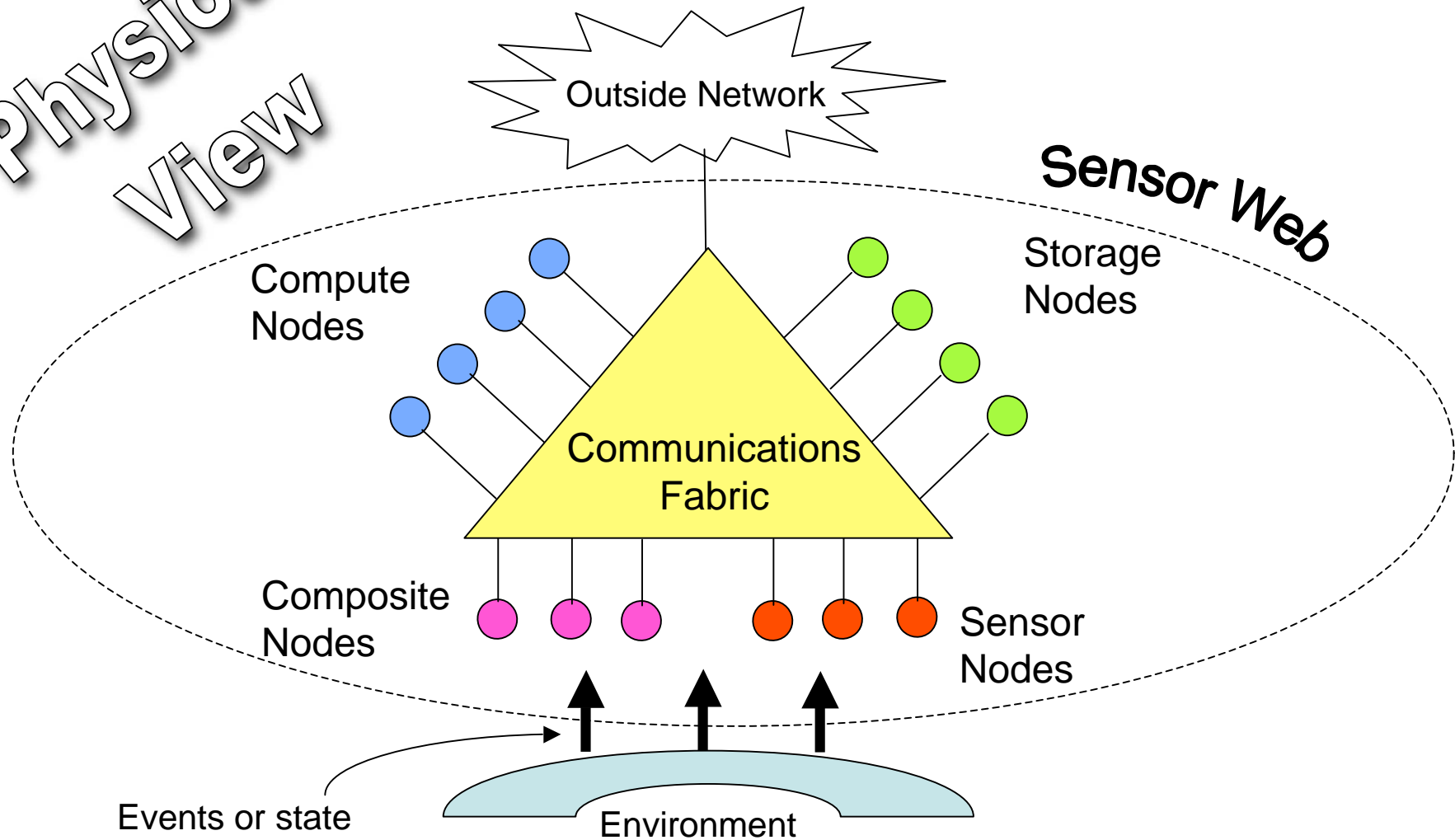


Sensorweb Architecture - Group B

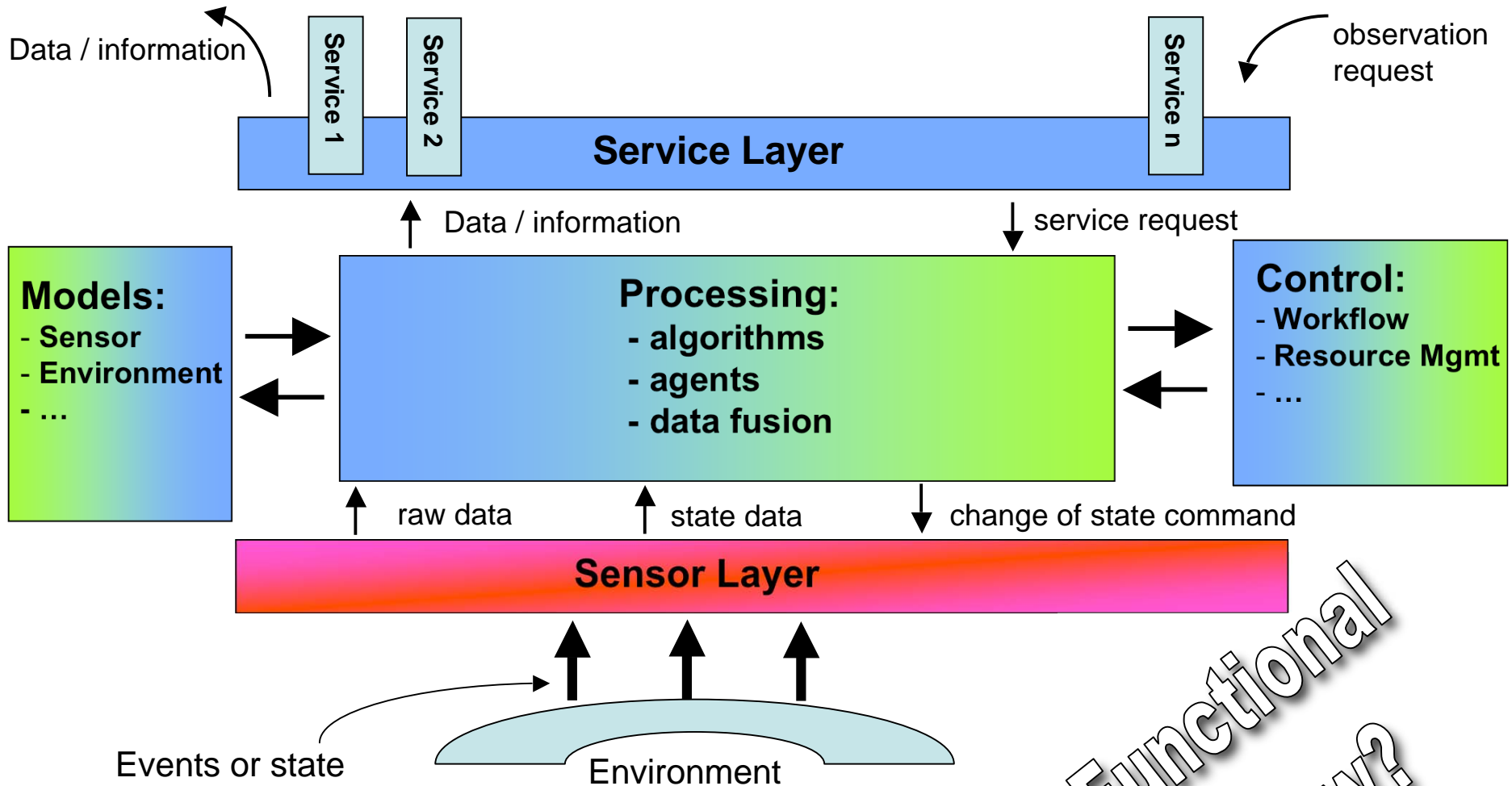


Architectural Concept - Group A

Physical View



Architectural Concept (cont.) - Group A

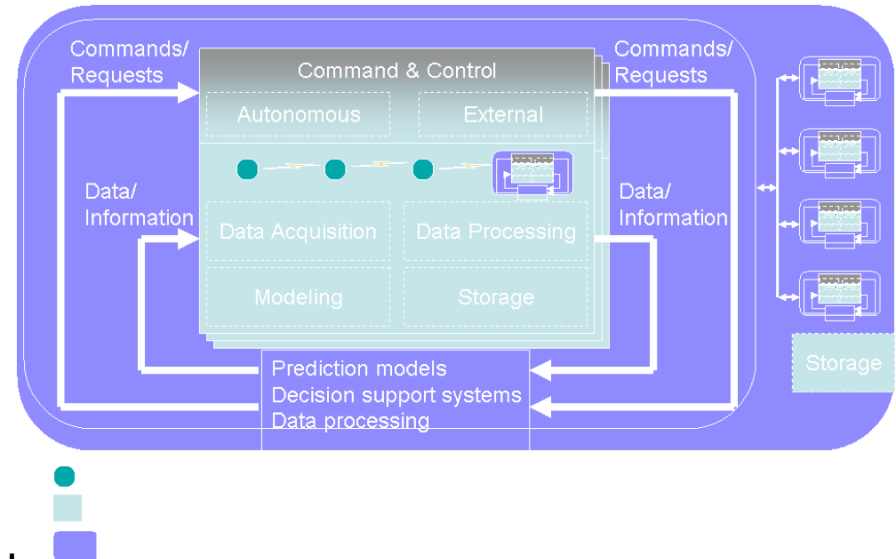


Functional View?

Use Case Scenarios

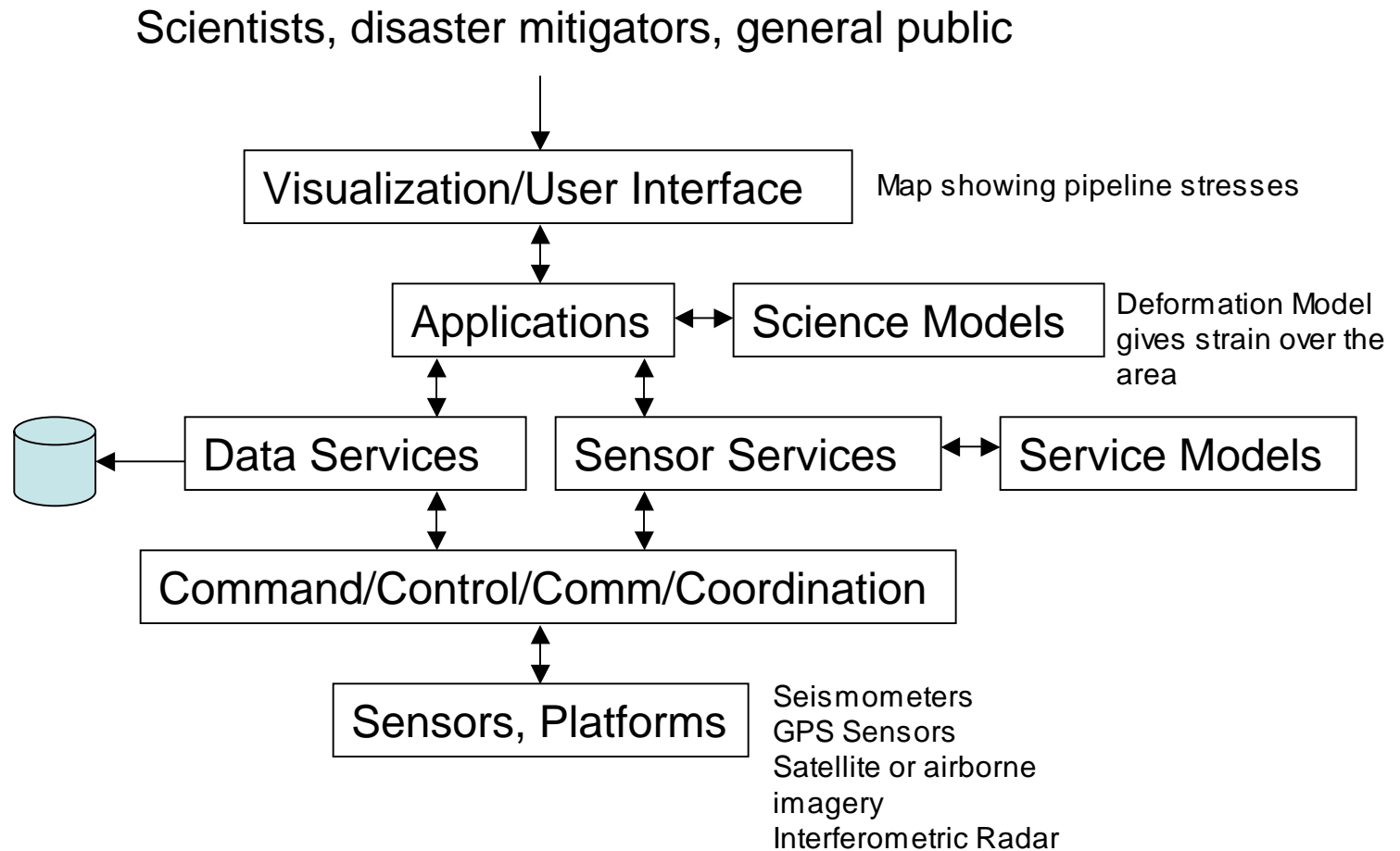
Architecture Concept / Weather Forecasting - C

- Goal: Improve weather forecasting on a regional basis.
- Problem: Not collecting data where we need to collect data. Need to collect and assimilate complex heterogeneous data more intelligently.

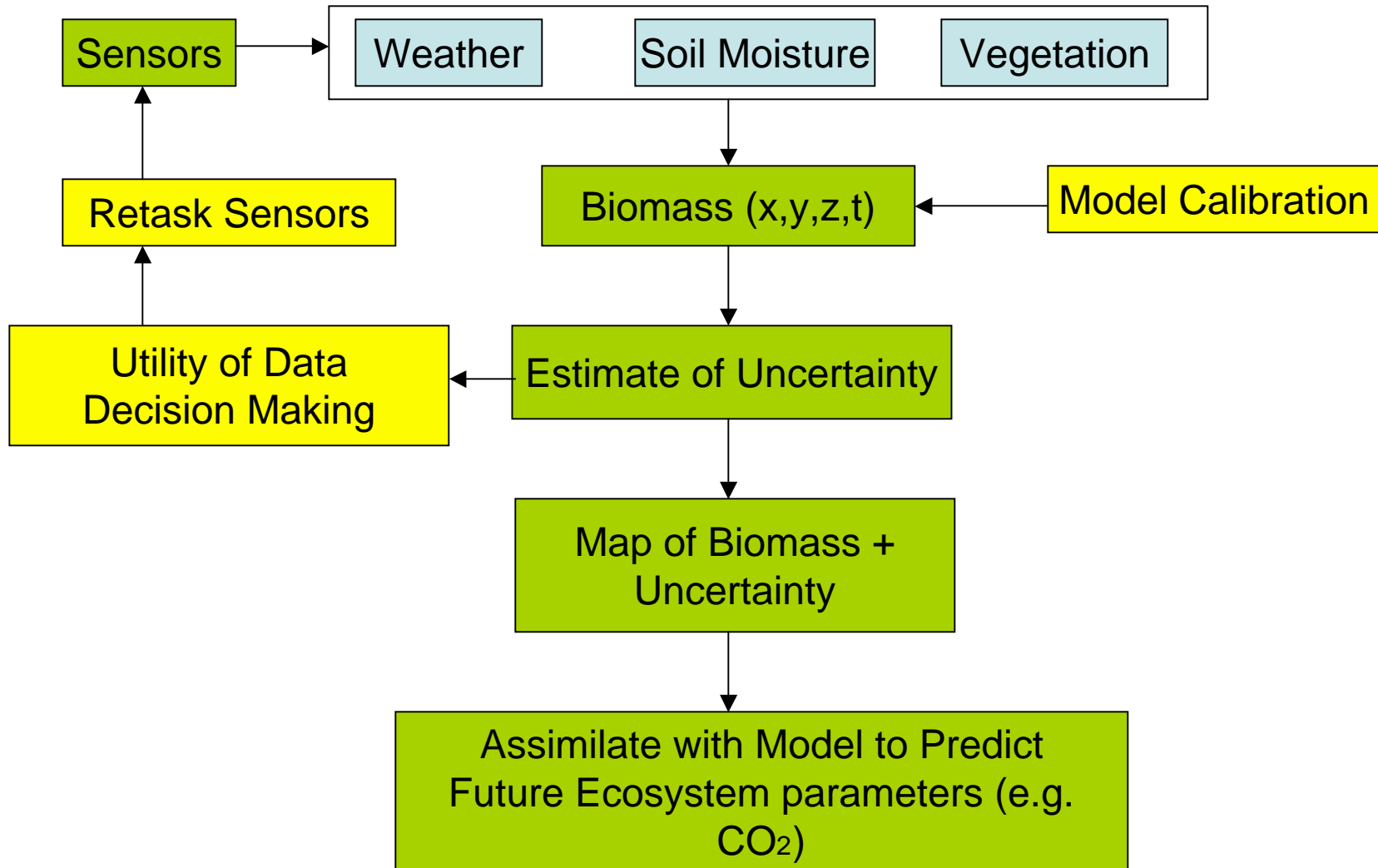


- Opportunity afforded by the sensor web:
 - Targeted observations
 - Dynamic allocation of data collection assets
 - Intelligent spatial (3-D), temporal and spectral coverage
 - Collecting data from multiple viewing angles simultaneously
 - Prediction based measurements drive targeted observations

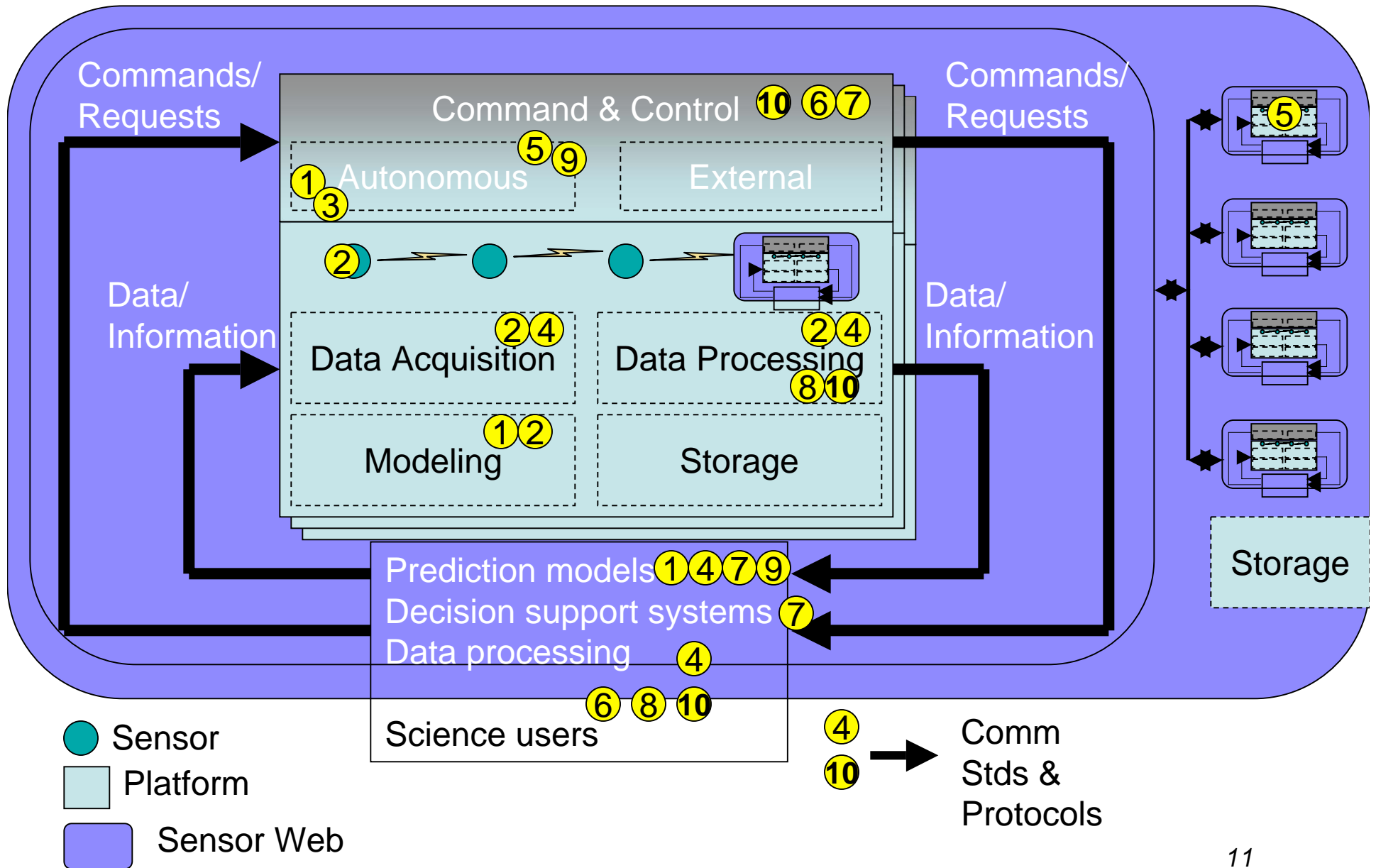
Sensorweb Use-Case Architecture - B



Biomass Measurement Scenario - A



Architecture Concept / Project Mapping - C



Evolutionary Sensor Web Capabilities

(potential to drive NASA road map) - Group A

