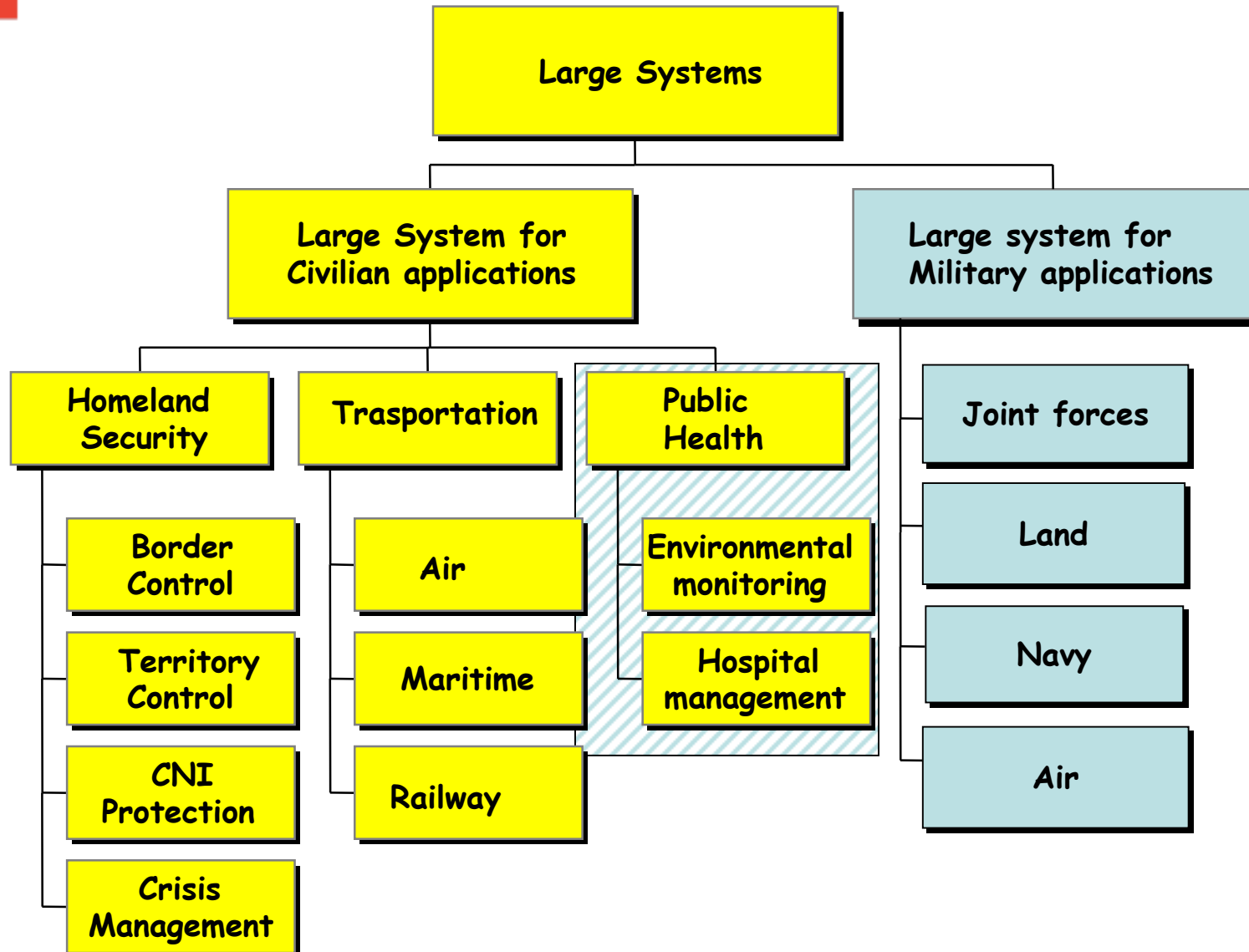


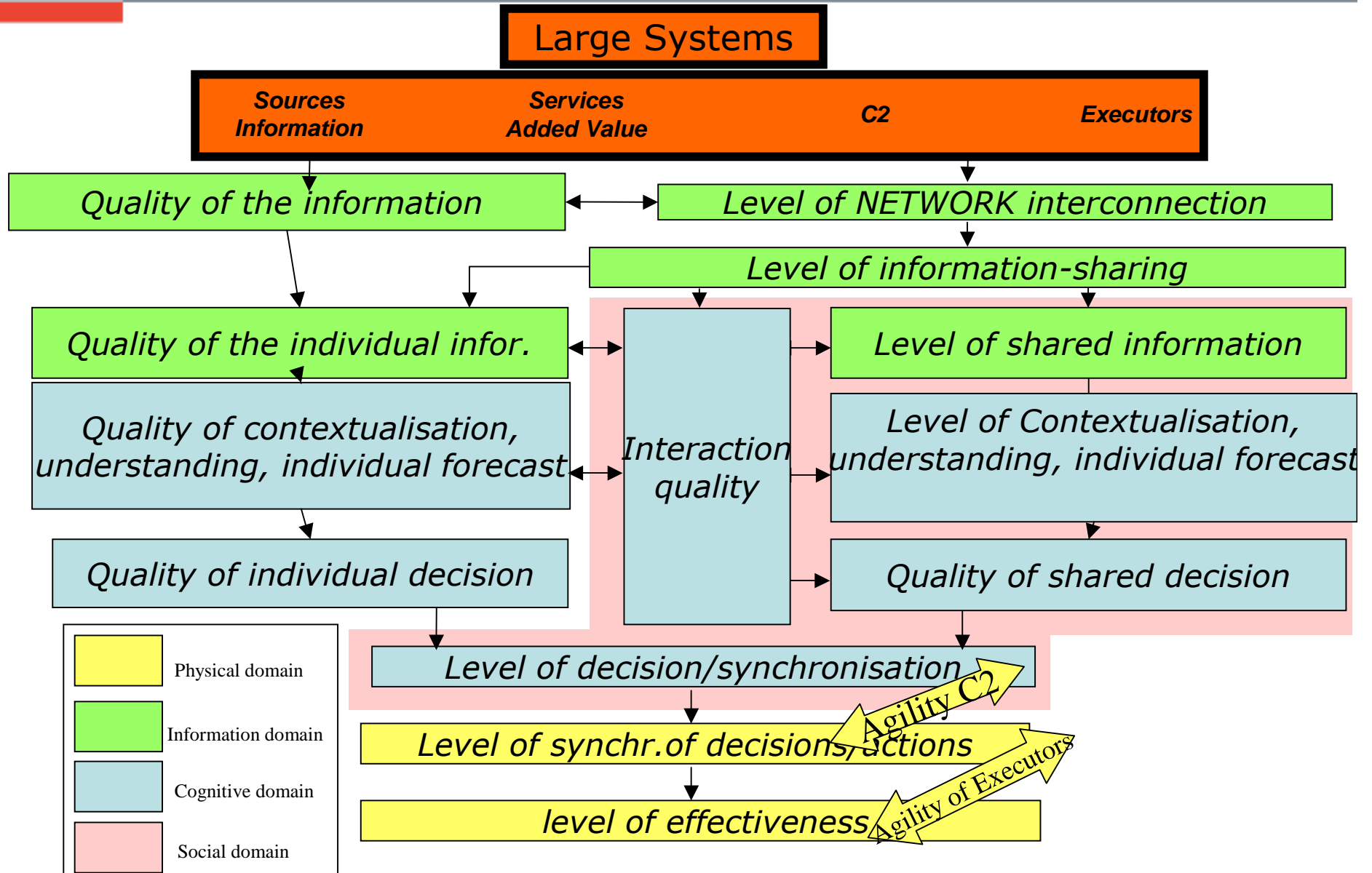
The Space - Based Dual Use Technology as fundamentals of the new NCO Large System Architectures

Paolo Neri
Selex-si

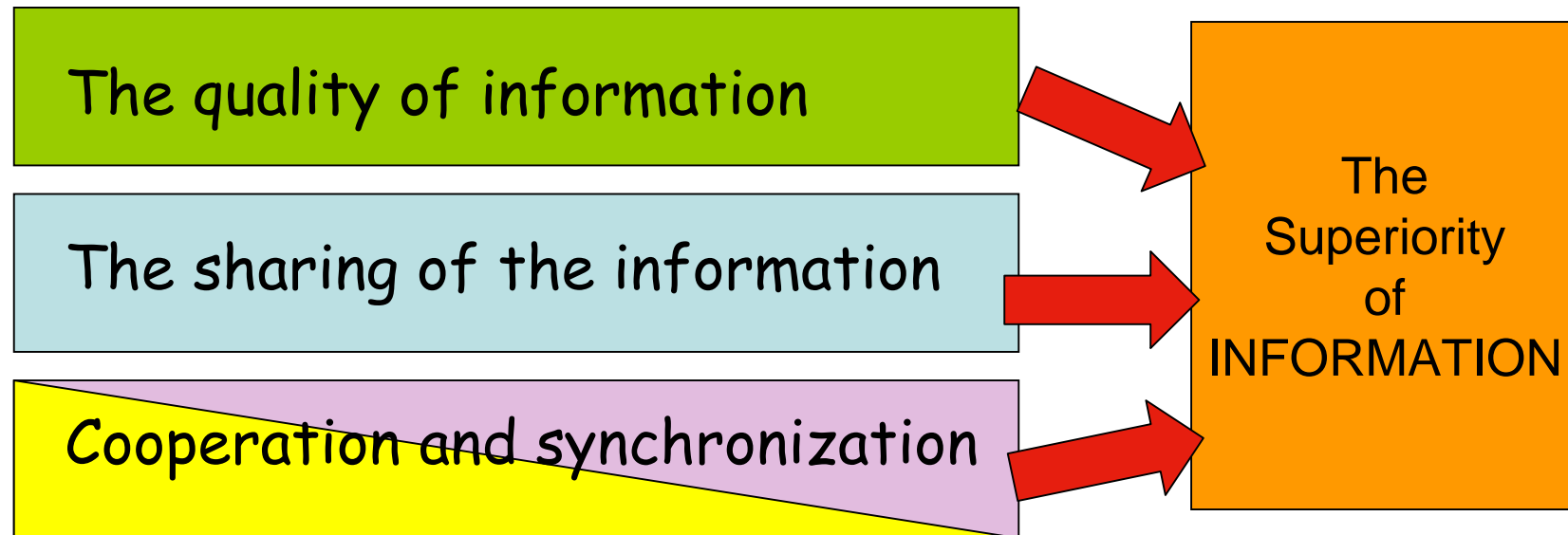
Large System Domain



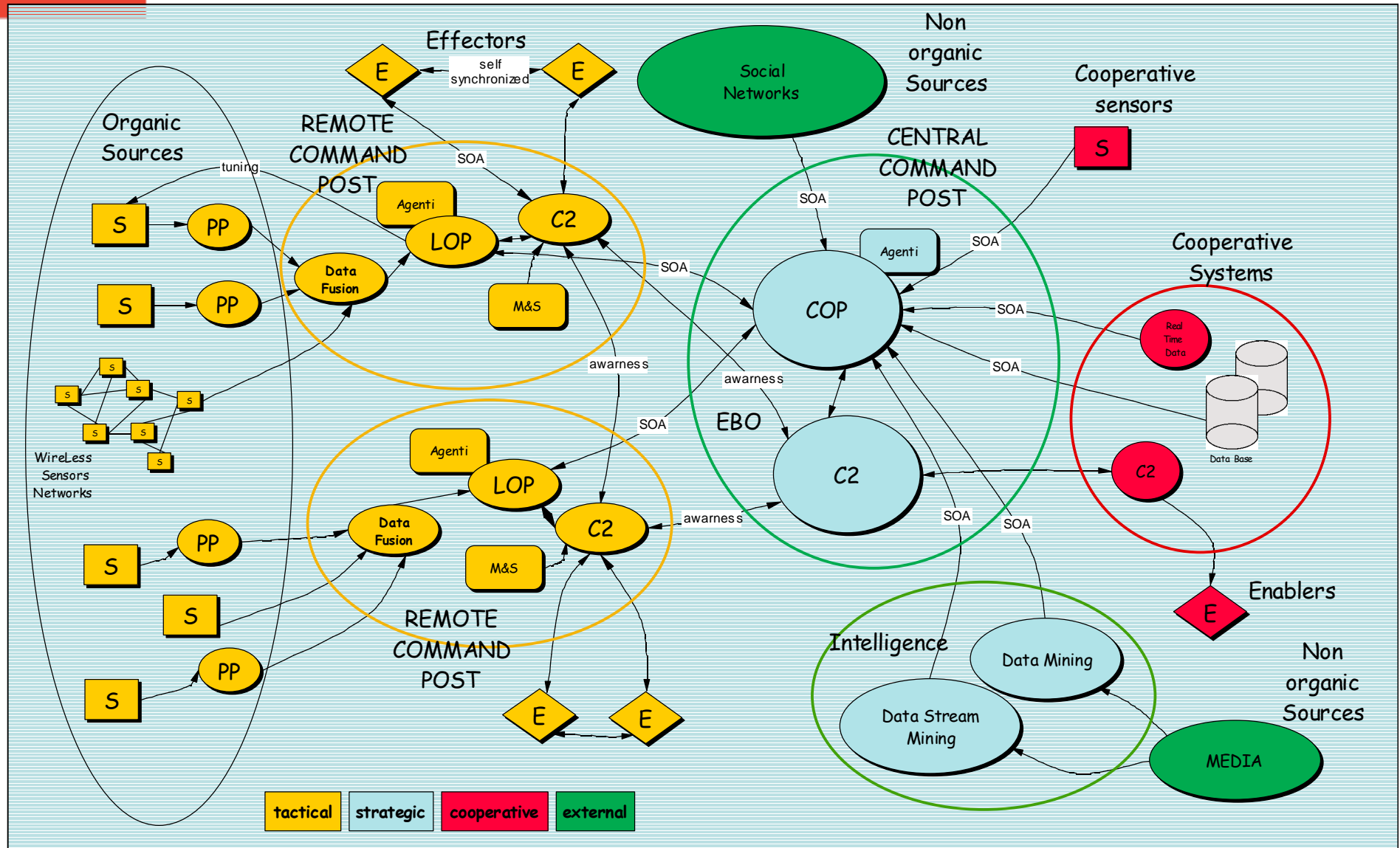
NCO Conceptual Structure

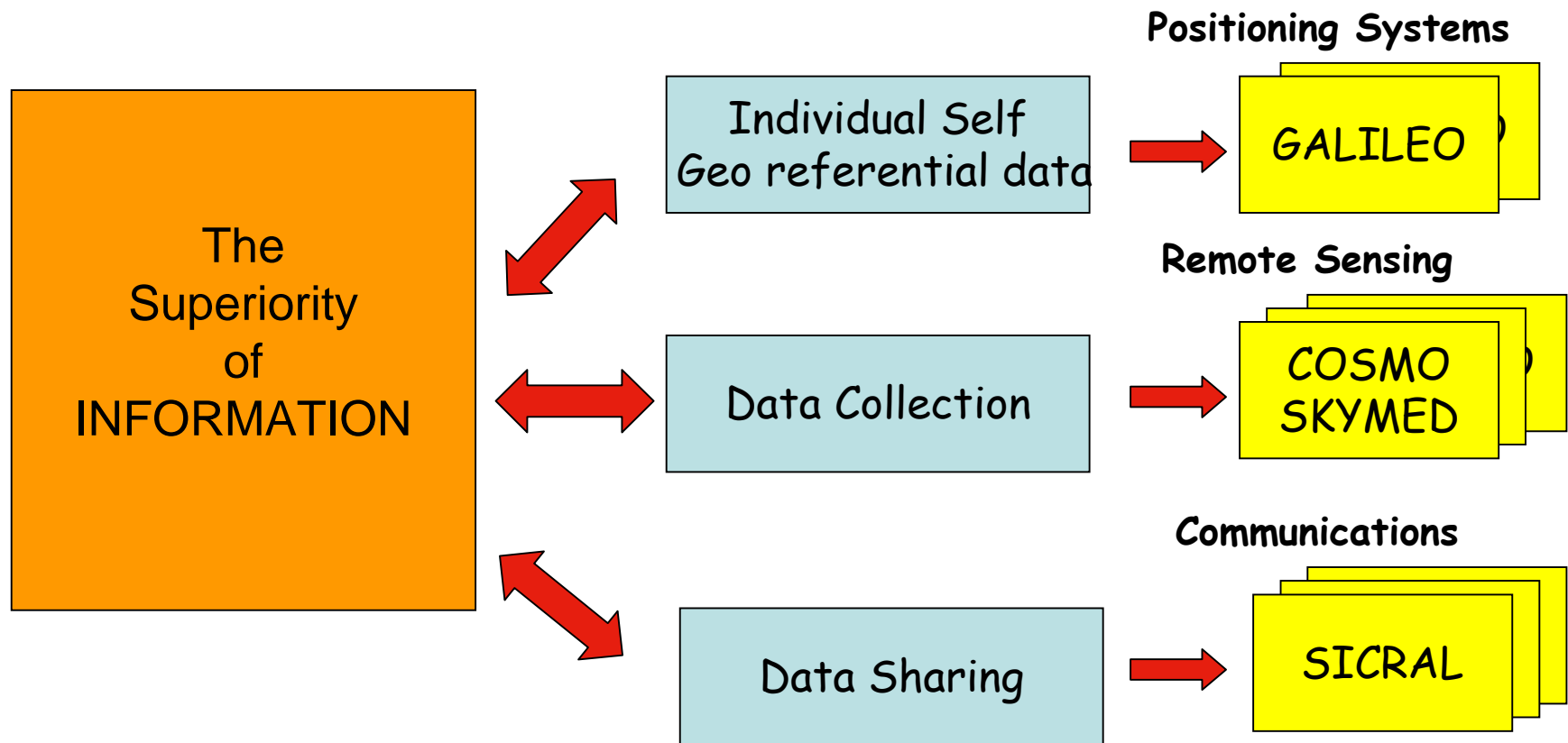


the main topics that allow a real improvement of the operational effectiveness are:



Large System Architecture

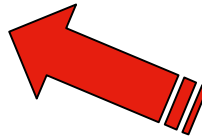




NCO Requirements

Individual Self Geo referential data

• Costs

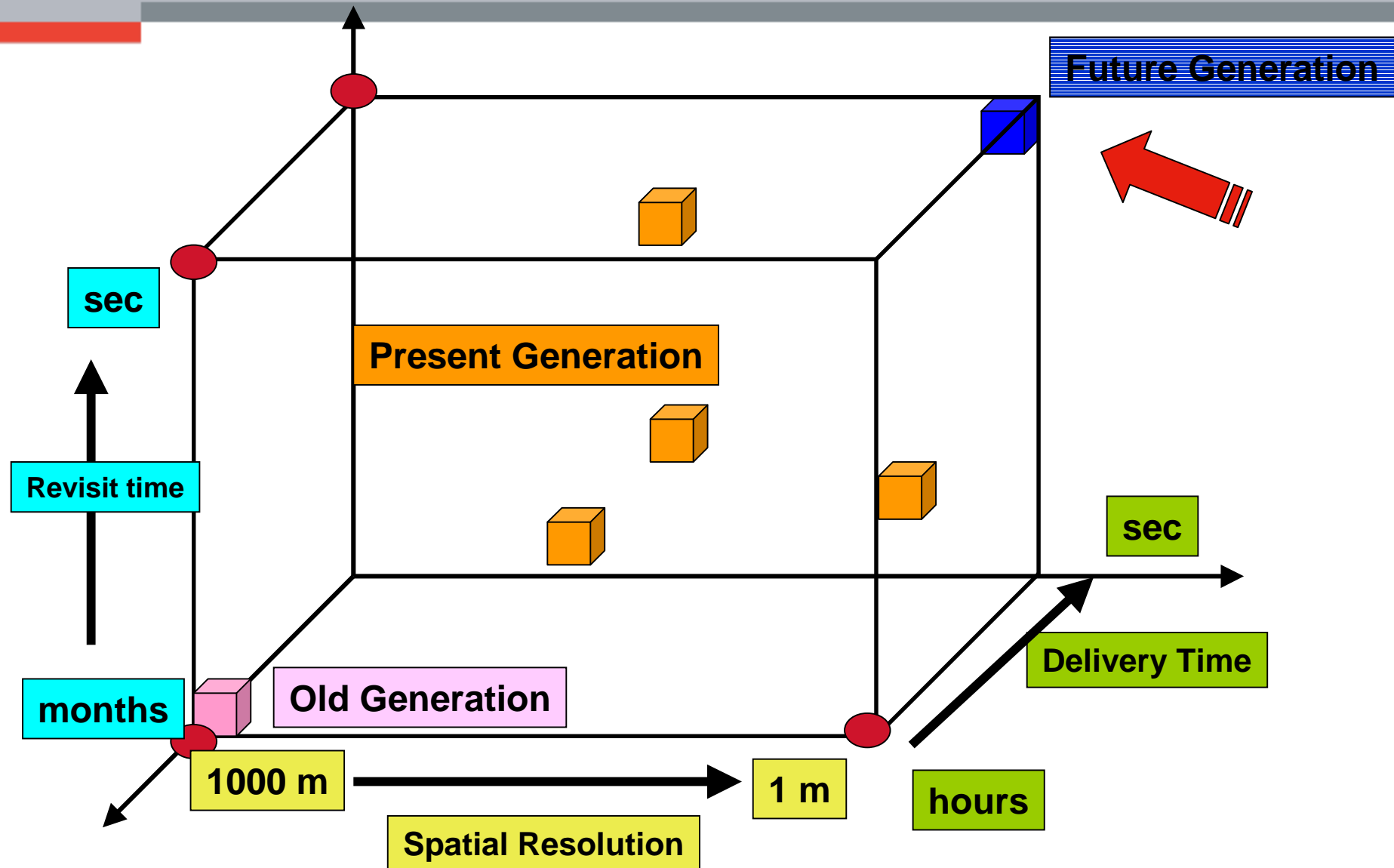


• Accuracy

• Availability

NCO future Requirements

DATA Collection: Remote Sensing



For NCO large Systems an higher and higher level of processing is required to improve the understanding of the situation.

The distributed intelligence is needed to simplify and allow the feasibility of complex NCO Large Systems



Surely the satellite systems and their sophisticated processing can improve the overall cognitive level

- Satellite Communications have to assure:
 - Data Protection 
 - Data Security 
 - Data Availability
 - Wide Band 
 - Low cost
 - Overall coverage and connectivity