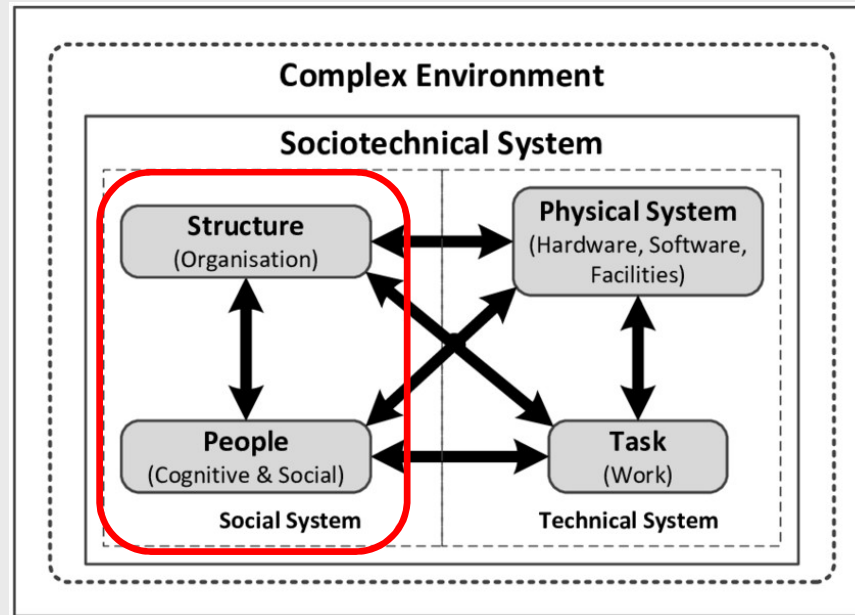


Reviving the Individual in Sociotechnical Systems Thinking

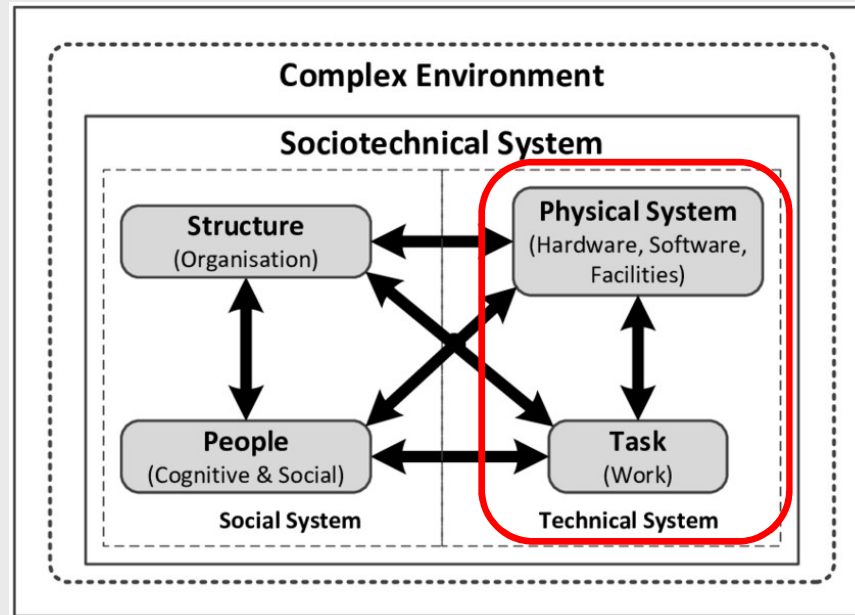
Lars Taxén

Linköping University, Sweden

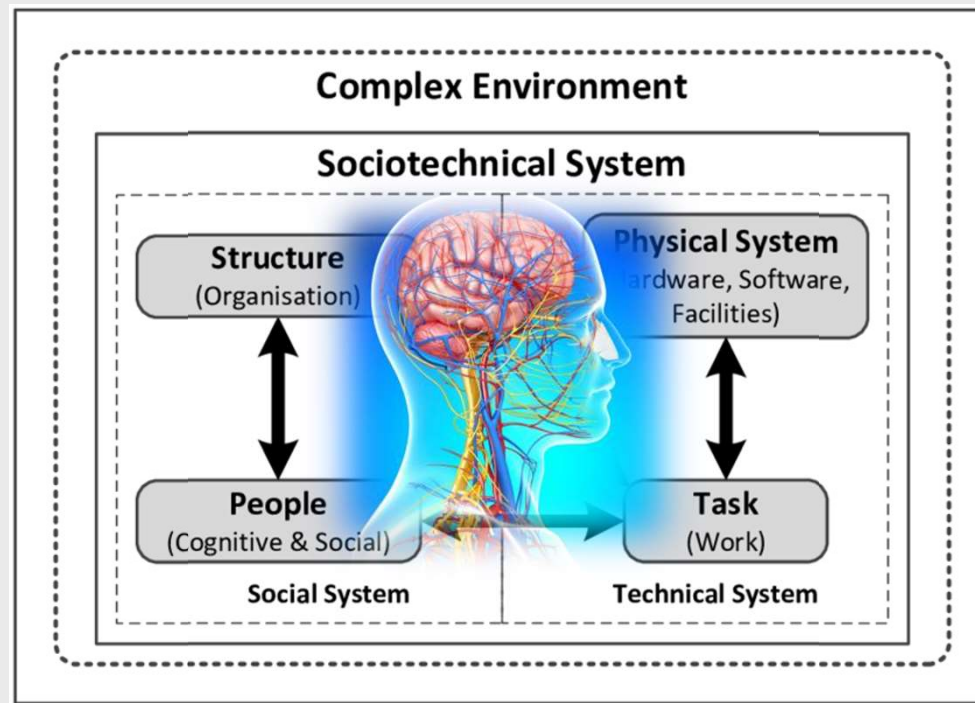
Sociotechnical Systems



Sociotechnical Systems



The individual?



There is no “social” without individuals
There are no “individuals” without the social



Infrastructure

- **Individual**
 - Neurobiological capacities
- **Social**
 - Language, etc.
- **Technical**
 - lamp, table, camera, etc.

The foundation for Sociotechnical systems



The individual, social, and technical
constitute each other

Mental capacities?

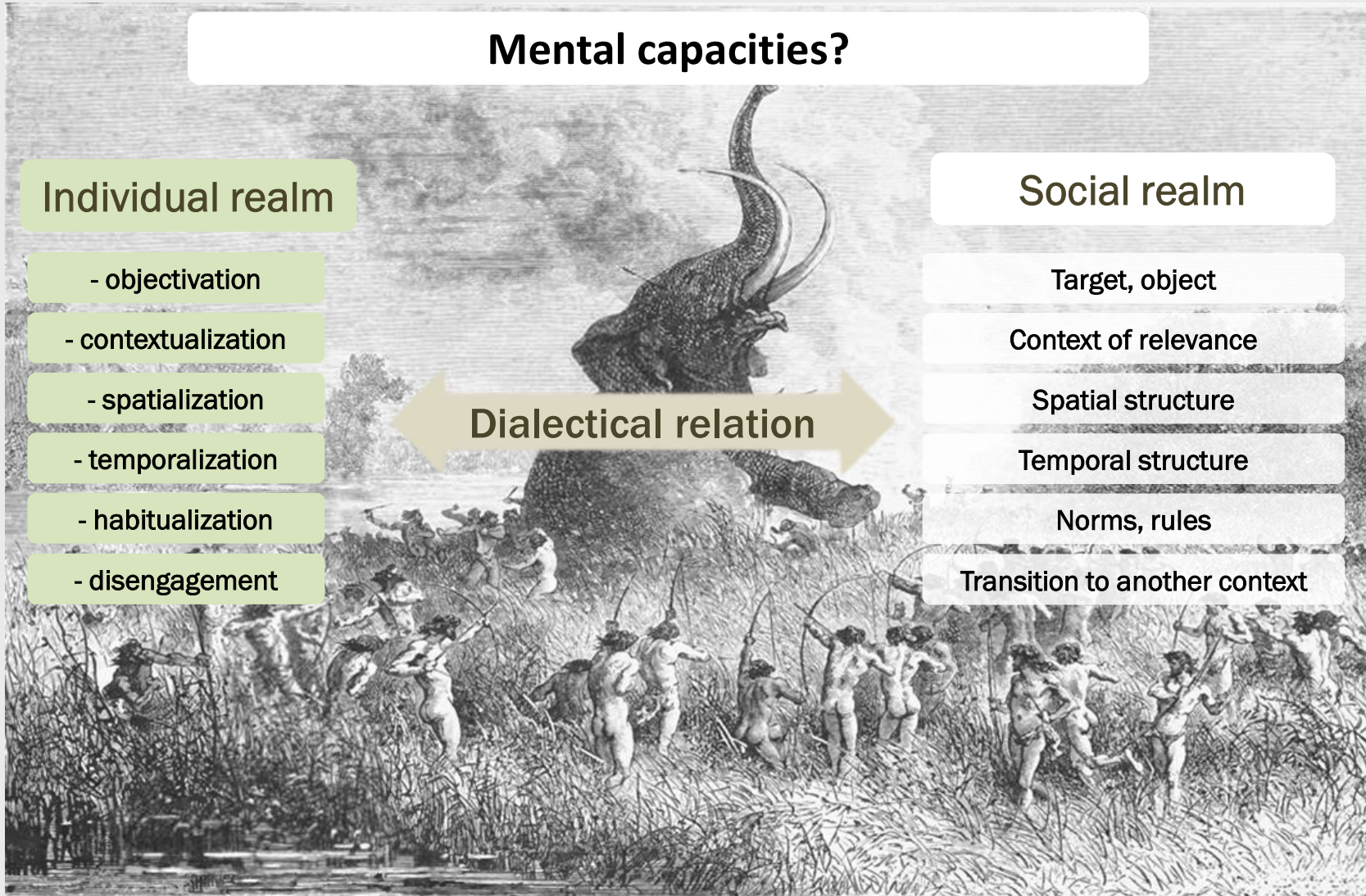
Individual realm

- objectivation
- contextualization
- spatialization
- temporalization
- habitualization
- disengagement

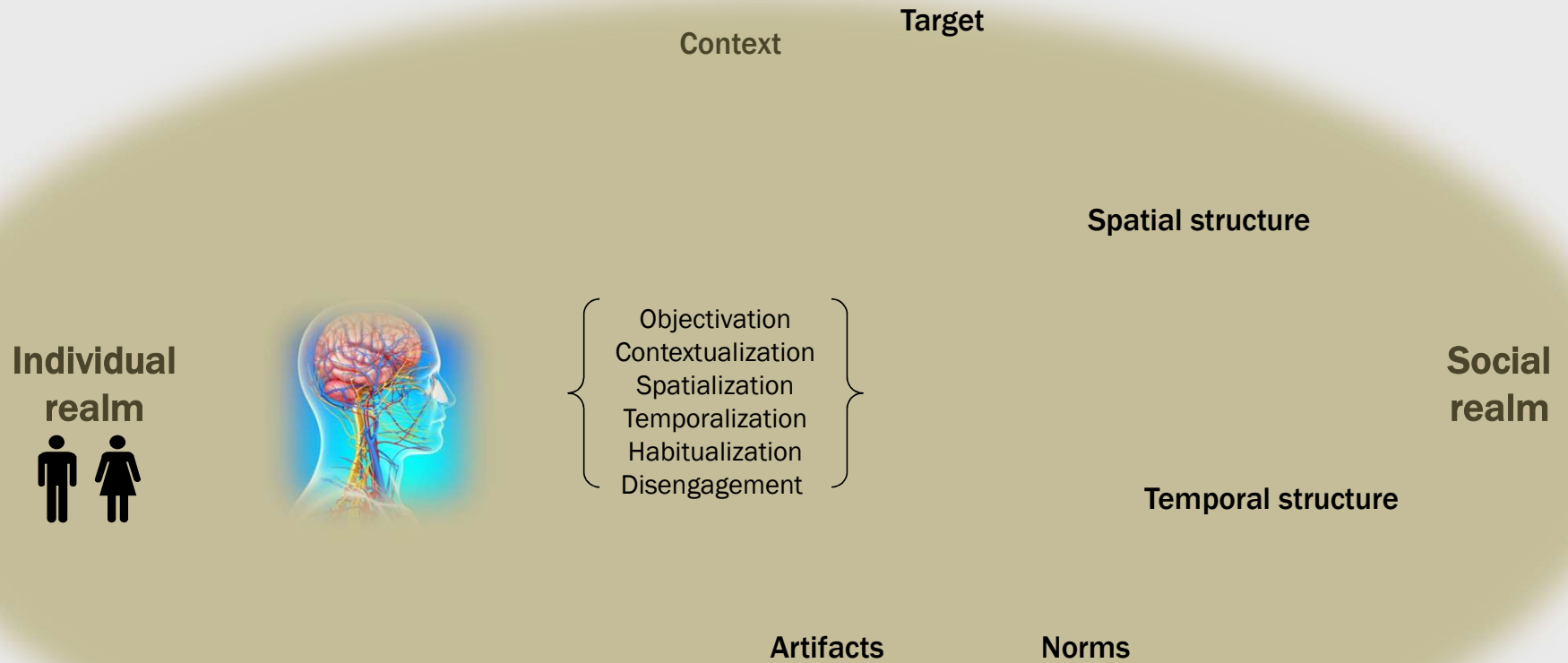
Social realm

- Target, object
- Context of relevance
- Spatial structure
- Temporal structure
- Norms, rules
- Transition to another context

Dialectical relation



Sociotechnical Systems reconceptualized



Sociotechnical Systems reconceptualized



Individual realm

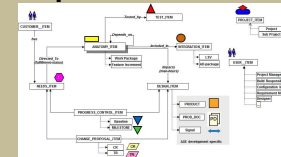


Context

Target



Spatial structure



Social realm

- Objectivation
- Contextualization
- Spatialization
- Temporalization
- Habitualization
- Disengagement

Temporal structure



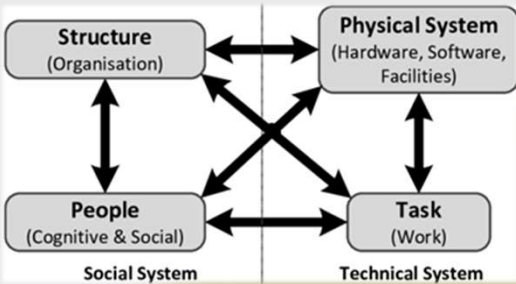
Artifacts



Norms



Sociotechnical Systems reconceptualized



Context

Target

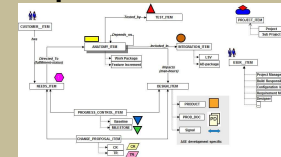


People
Individual
realm



- Objectivation
- Contextualization
- Spatialization
- Temporalization
- Habitualization
- Disengagement

Spatial structure



Structure
Social
realm

Task
Temporal structure



Physical System

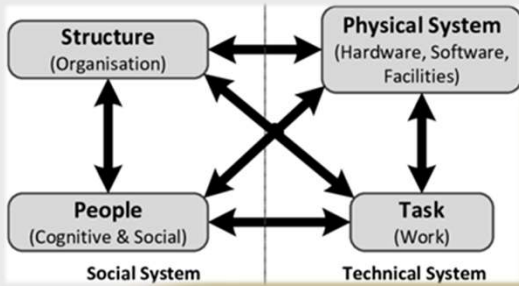
Artifacts



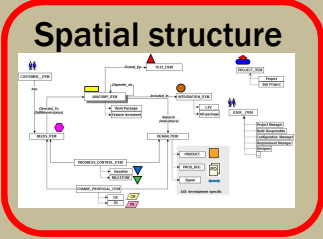
Norms



Sociotechnical Systems reconceptualized



Context



Social realm

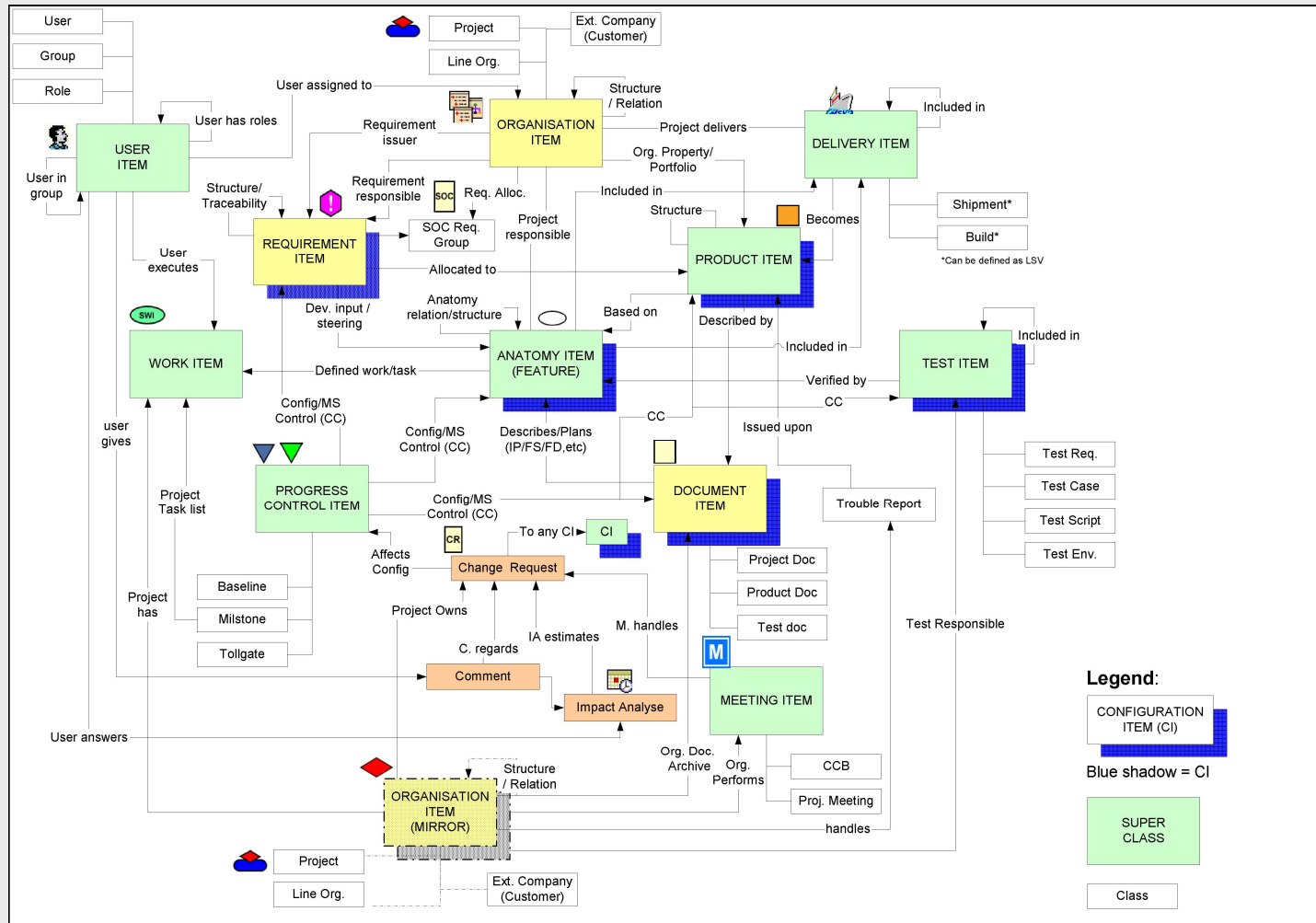
Individual realm



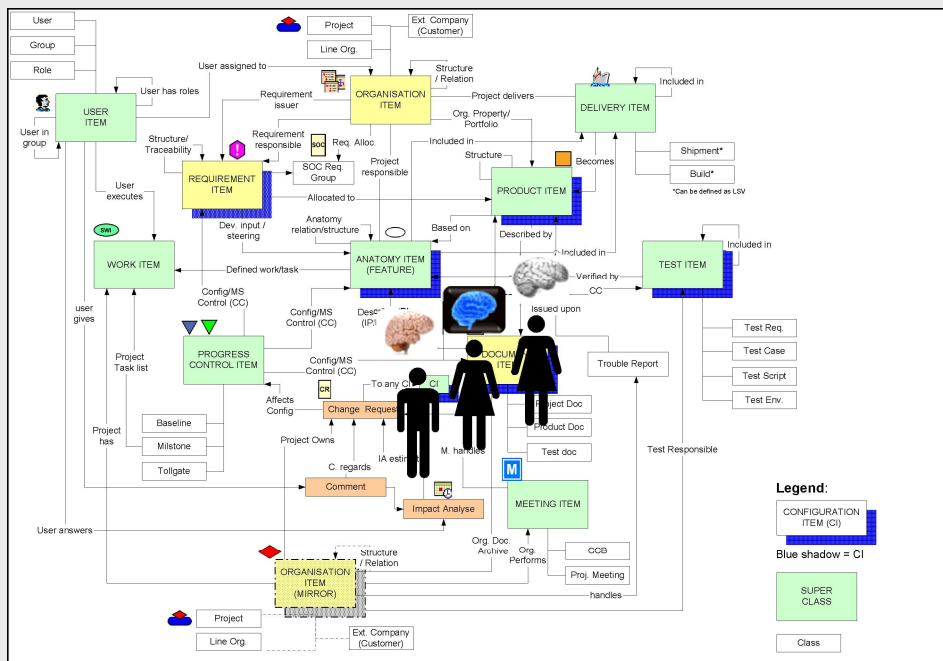
- Objectivation
- Contextualization
- Spatialization
- Temporalization
- Habitualization
- Disengagement



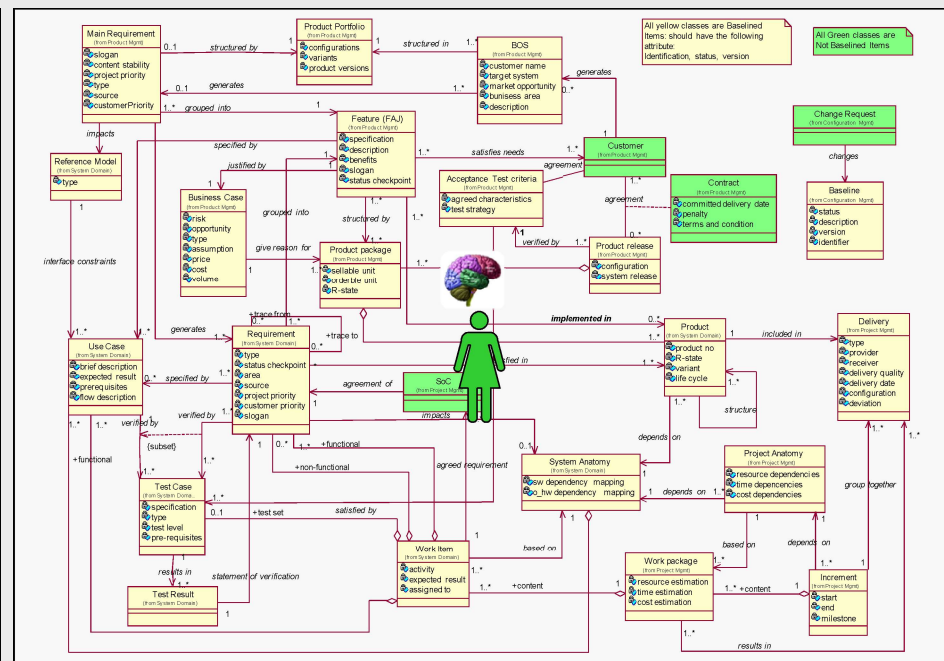
Practical illustration - Spatialization



Practical illustration - Spatialization



Useful

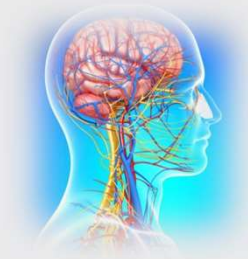


Useless



Conclusion

Advancing sociotechnical systems' thinking requires that the individual is acknowledged as a prime constituent on par with the social and technical



Alter's Work System

