



BrainSpace[®]

► Let's know

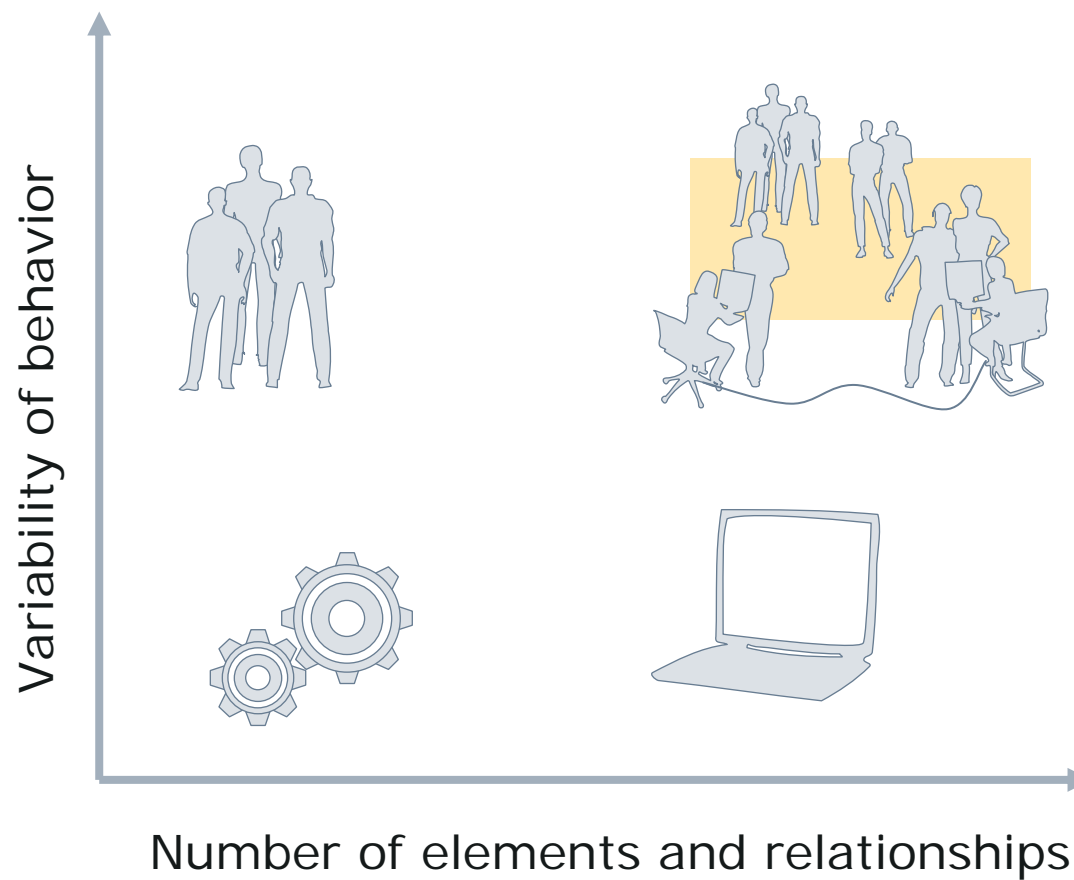
Prof. Dr. Andreas Ninck

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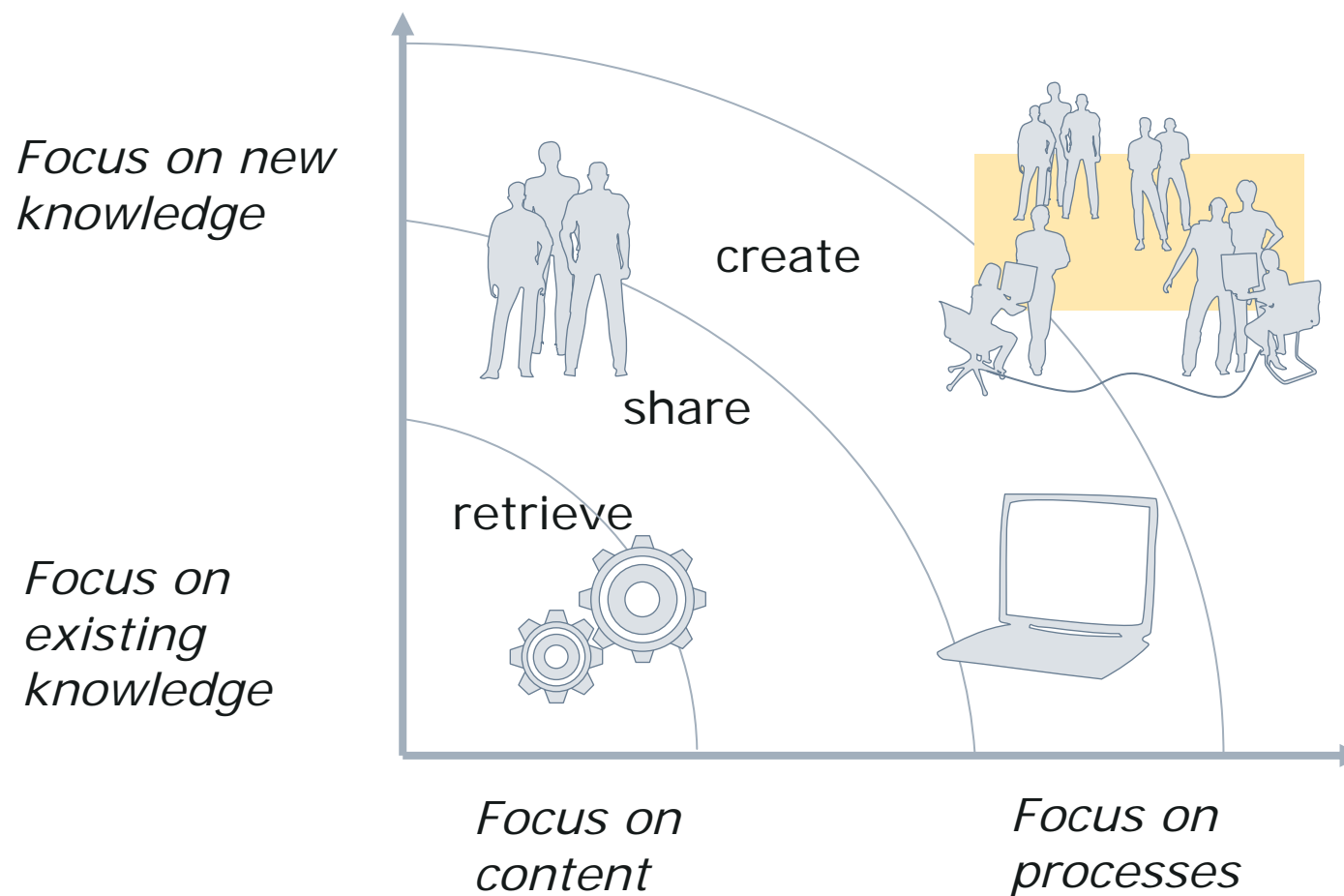


Complexity is ...



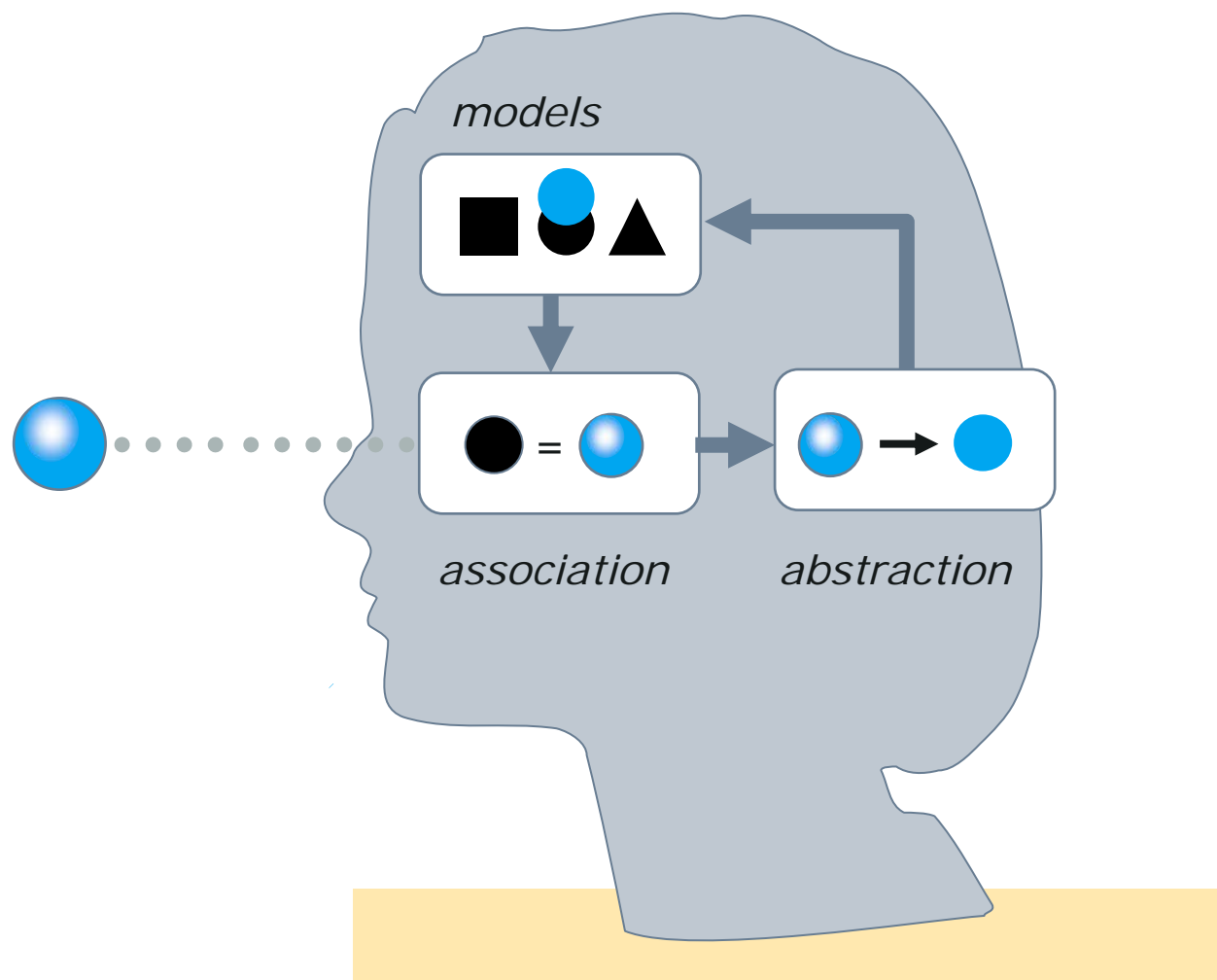


Problem solving is ...





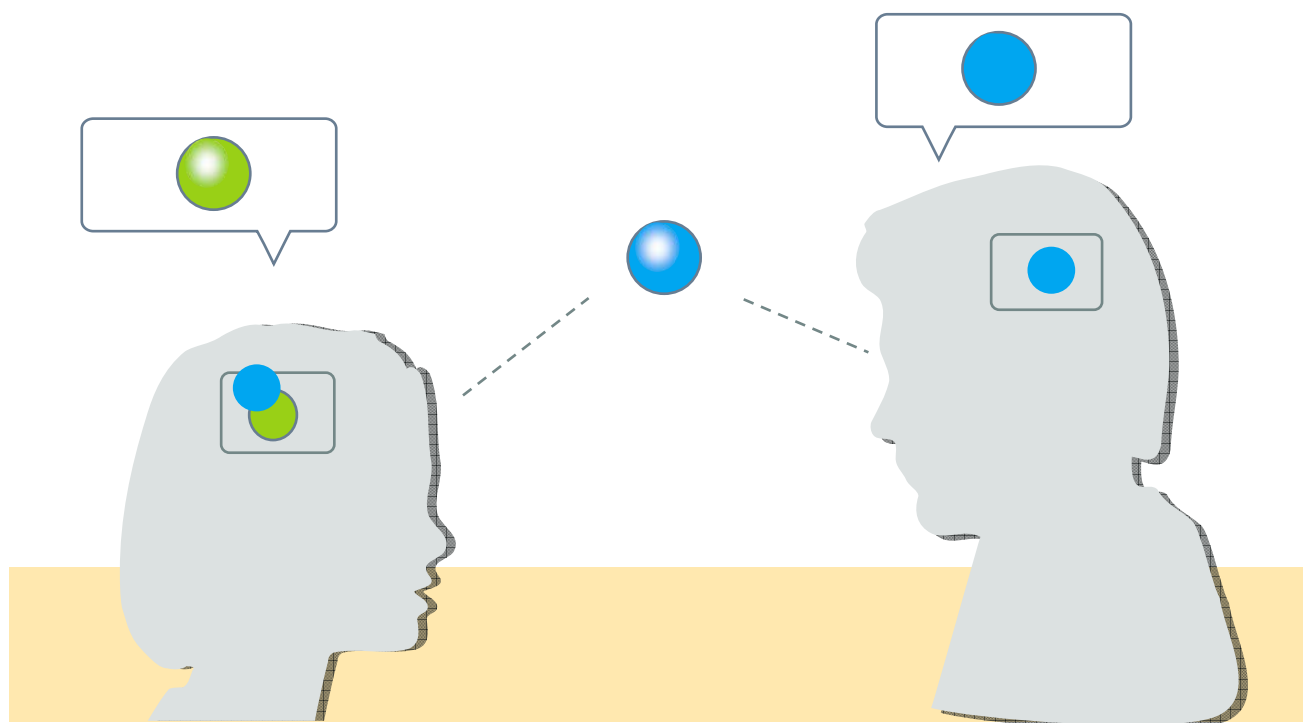
Knowledge creation is ...





Communication is ...

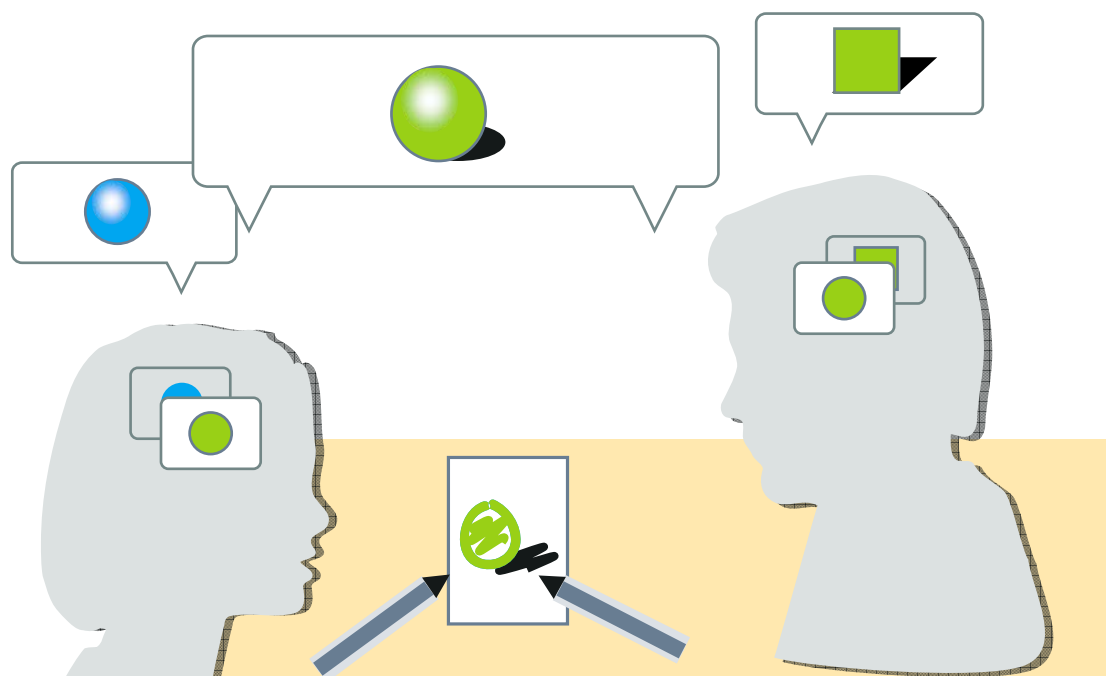
- ▶ Sharing and adapting models
- ▶ Latin *communicare* = to share





Collaboration is ...

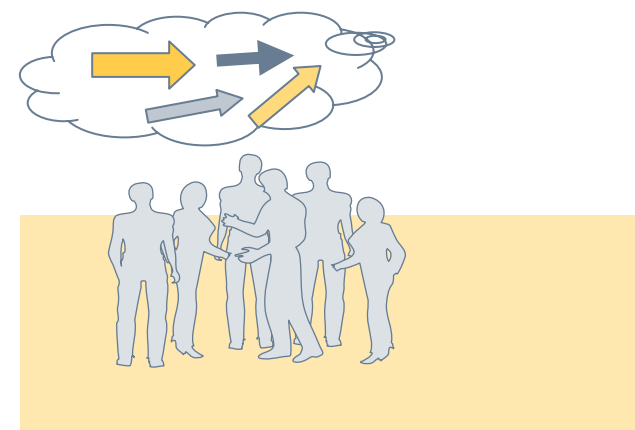
- ▶ Collective construction of new knowledge
- ▶ with support of artifacts in a shared space





Collaboration requires ...

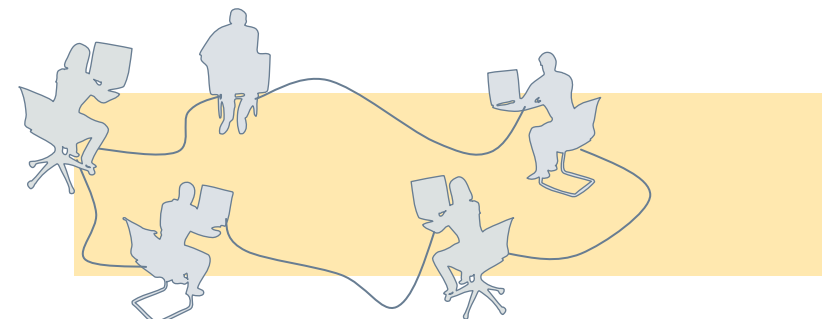
- ▶ communication
- ▶ shared space, artifacts
- ▶ culture of sharing
- ▶ common vision
- ▶ team processes
- ▶ equal participation





eCollaboration is ...

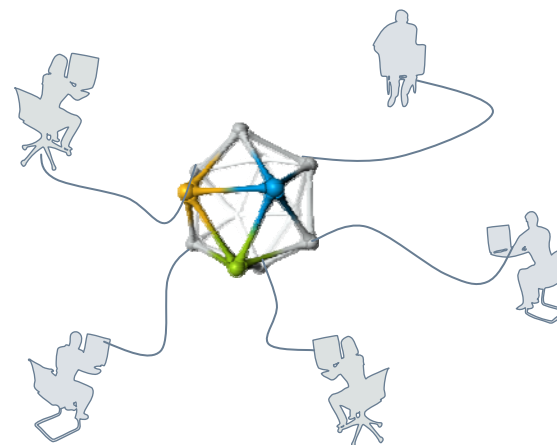
- ▶ a computer mediated process
- ▶ of two or more (dislocated) people
- ▶ working together on a common purpose or goal
- ▶ where the participants are committed, interdependent and work in a common context
- ▶ using shared resources
- ▶ supported by (web-based) electronic tools





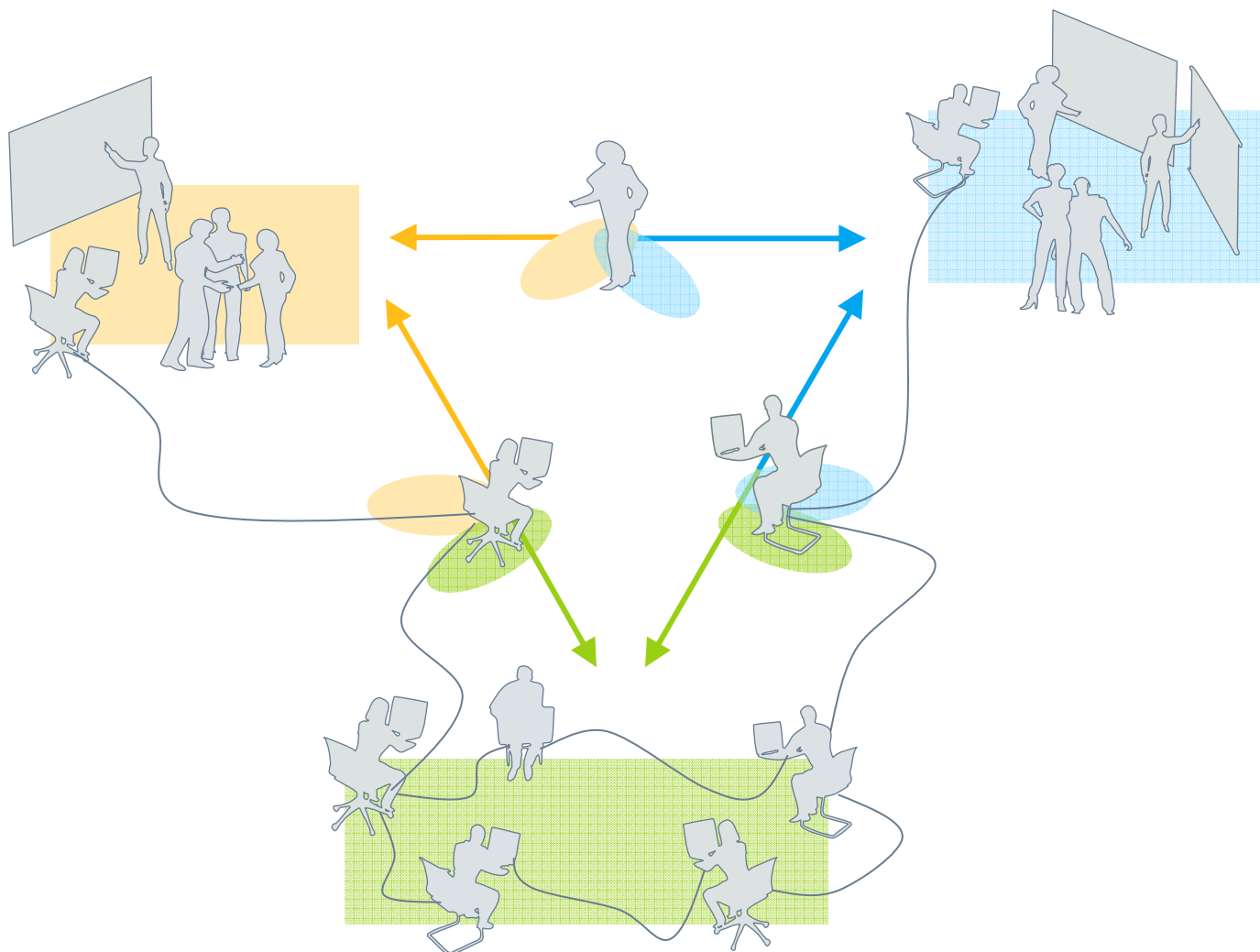
BrainSpace is ...

- ▶ a dispersed cognitive system
- ▶ a shared space for e-collaboration
- ▶ a protocol for the facilitation of the collaboration process (based on Syntegrity, Beer 1994)



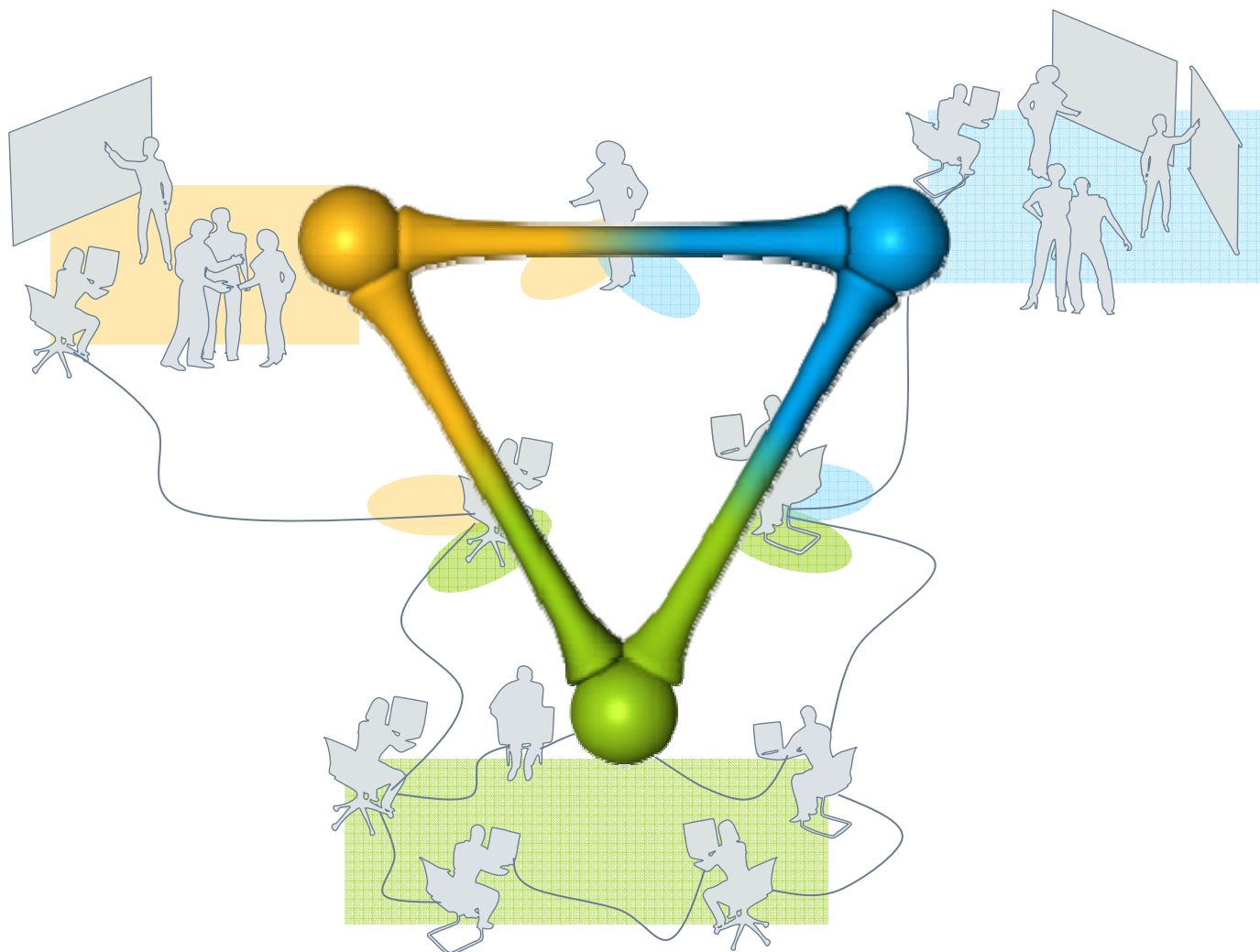


BrainSpace Architecture



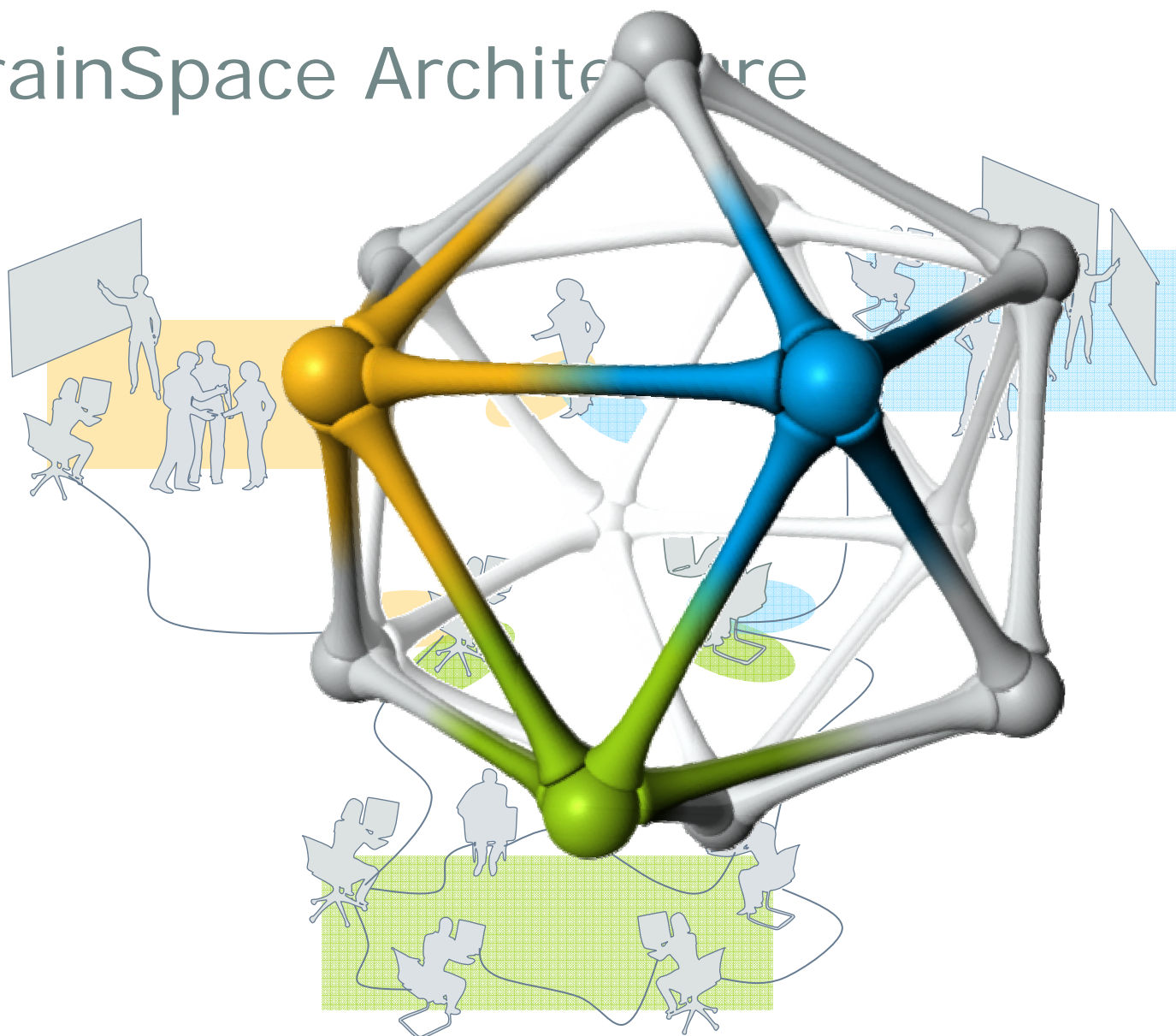


BrainSpace Architecture



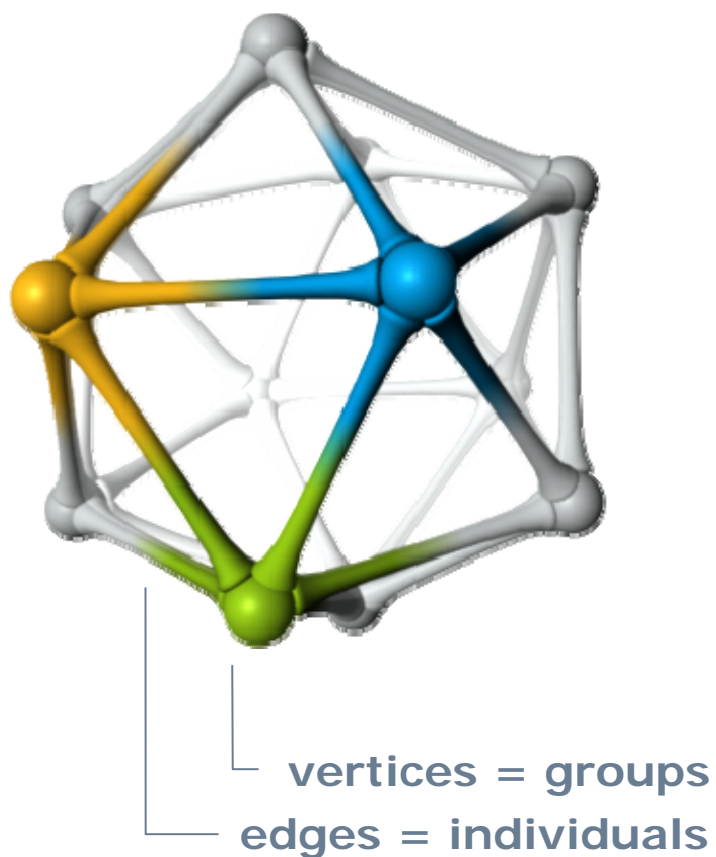


BrainSpace Architecture





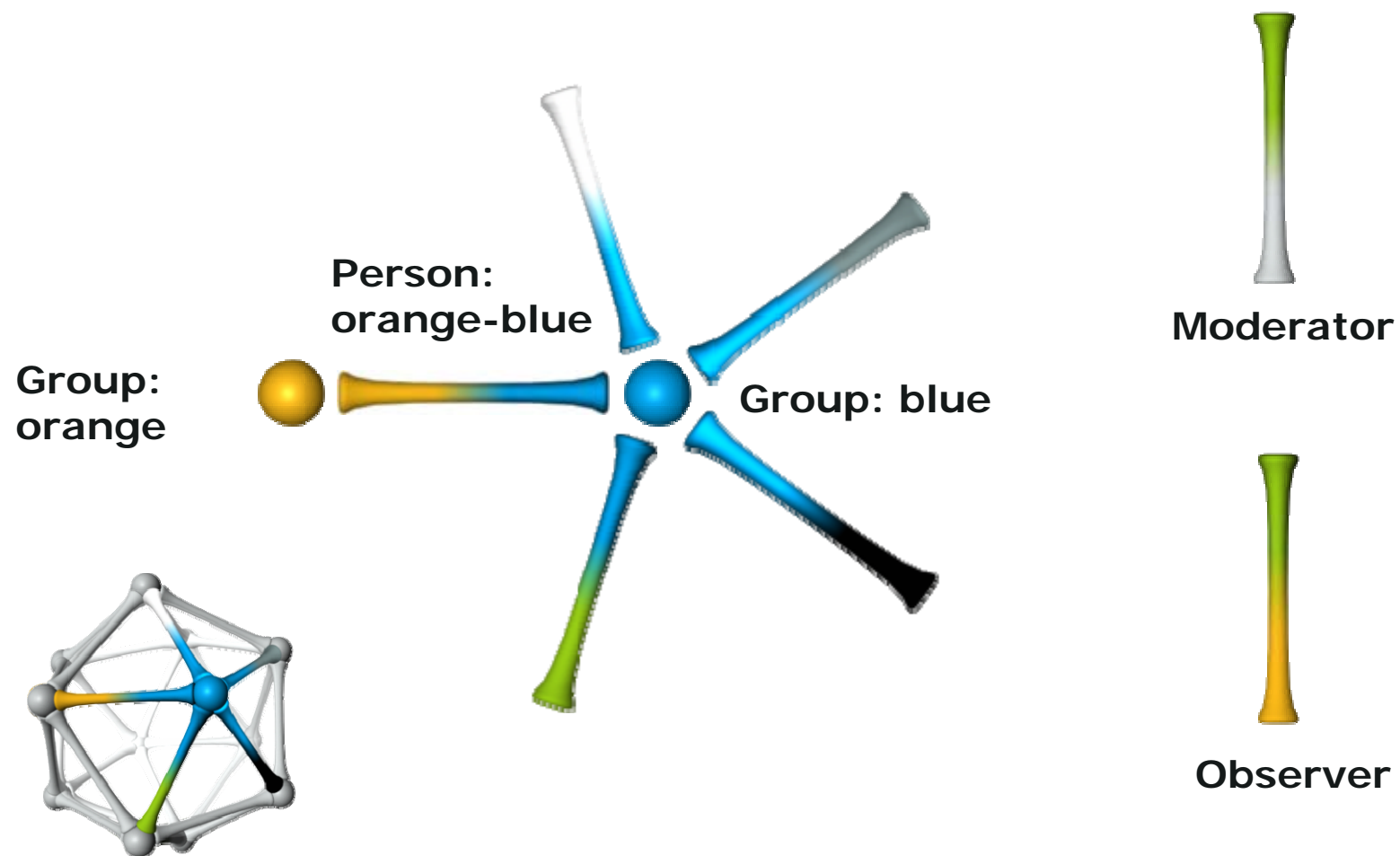
BrainSpace Architecture



- ▶ 30 individuals in 12 groups
- ▶ each individual can have different roles:
 - ▶ active participation in 2 groups (mandatory)
 - ▶ moderation in 1 groupe
 - ▶ critical observation
- ▶ at least 3 meetings per group
- ▶ information is shared progressively over time

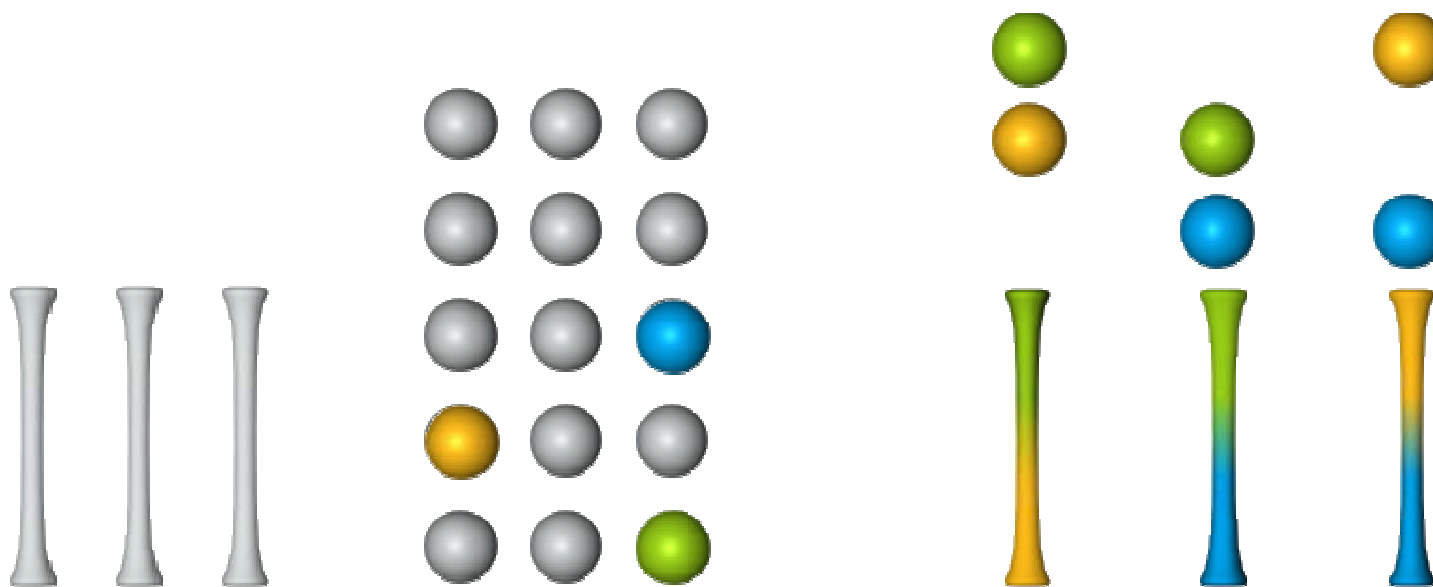


BrainSpace Architecture





BrainSpace Initialization



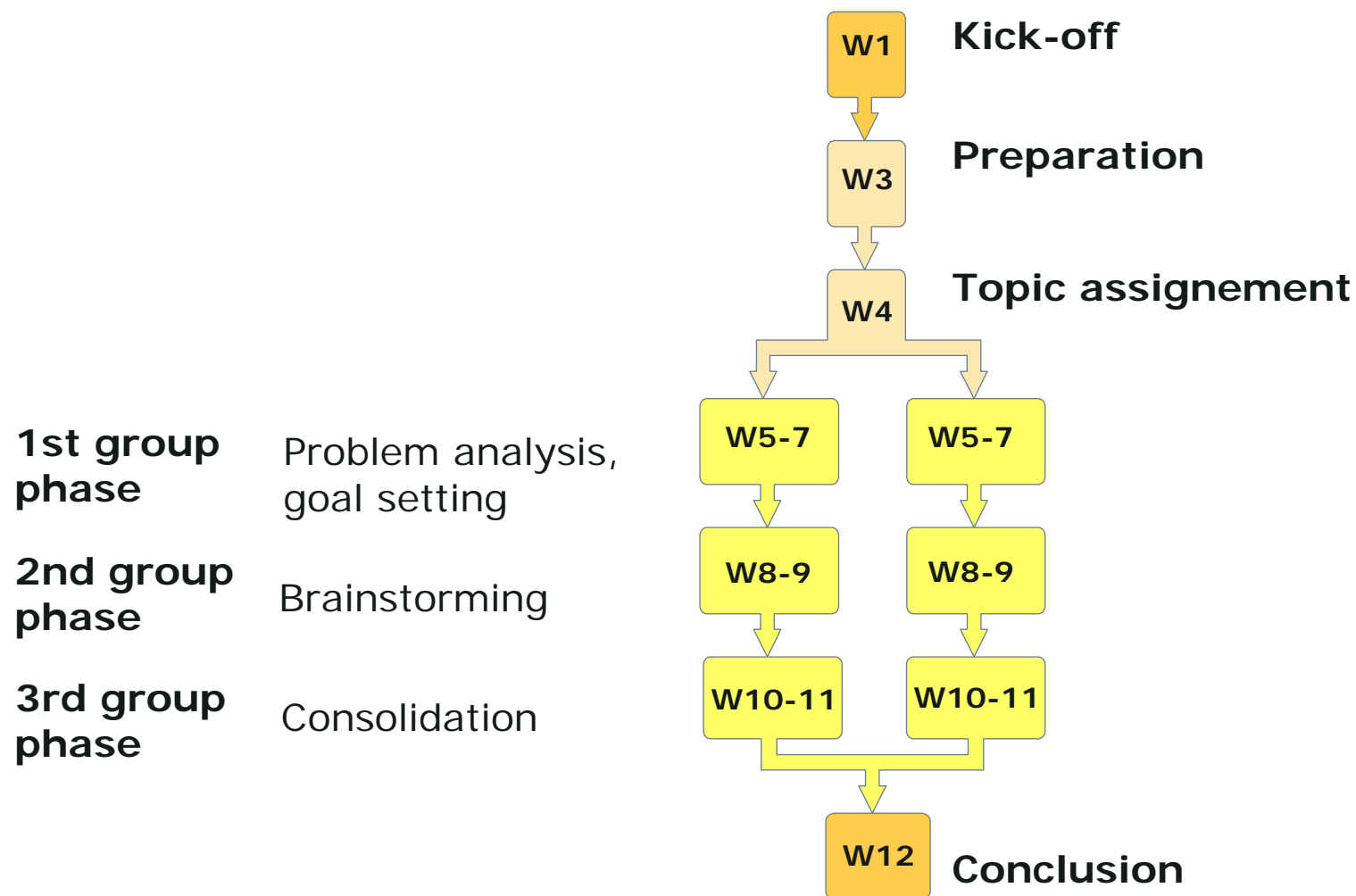
Individuals

Topics

**Priorities and
selection**



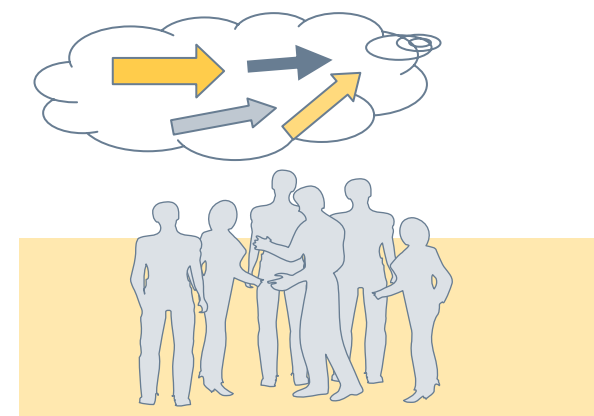
BrainSpace Process





BrainSpace Characteristics

- ▶ Active communication
- ▶ Large group of actors
- ▶ Beyond hierarchy and history
- ▶ Participative process
- ▶ Authentic situation
- ▶ Learning from others
- ▶ Culture of commitment
- ▶ Convergent outcome





BrainSpace Application Scenarios

- ▶ Knowledge Management
 - ▶ Transfer knowledge
 - ▶ Cooperate within communities of practice
- ▶ Innovation
 - ▶ Solve complex problems
 - ▶ Create breakthrough for new ideas
- ▶ Project Management
 - ▶ Organize project start or completion
 - ▶ Project integration and coordination
- ▶ Change Process
 - ▶ Find consensus and commitment
 - ▶ Solve conflicts
- ▶ Integration
 - ▶ Integrate parts of the organization
 - ▶ Integrate stakeholders outside the organization

