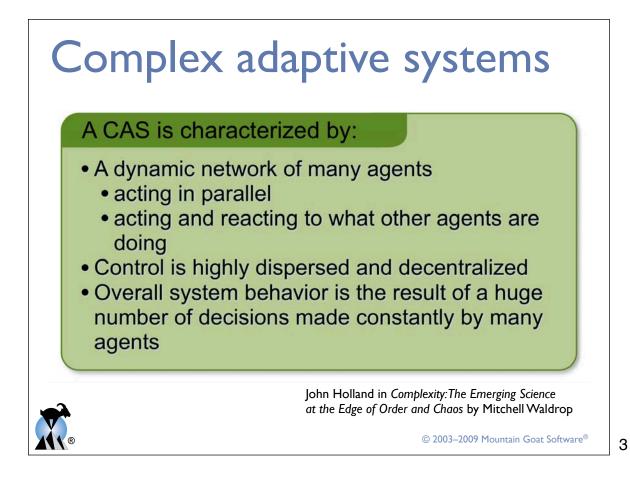


What is a self-organizing team?

- Self-organizing does not mean
 - the team gets to decide what goal they pursue
 - or even necessarily who is on the team
- Self-organizing is about the team determining how they will respond to their environment
 - (and managers/leaders can influence that environment)

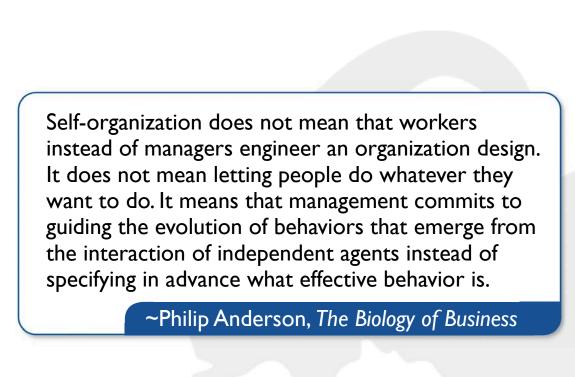




Some examples

- Ant colony or bee hive
- Flock of geese heading south
- Us right now
- A crowd batched up to get into a concert or sporting event
- A family preparing, eating, and cleaning up after a meal
- Cars and drivers on the highway
- A software team





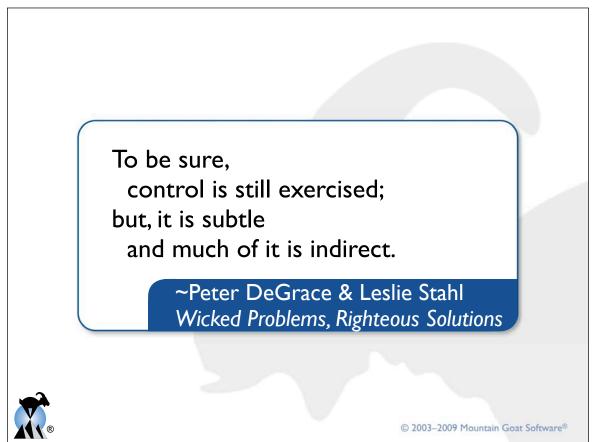


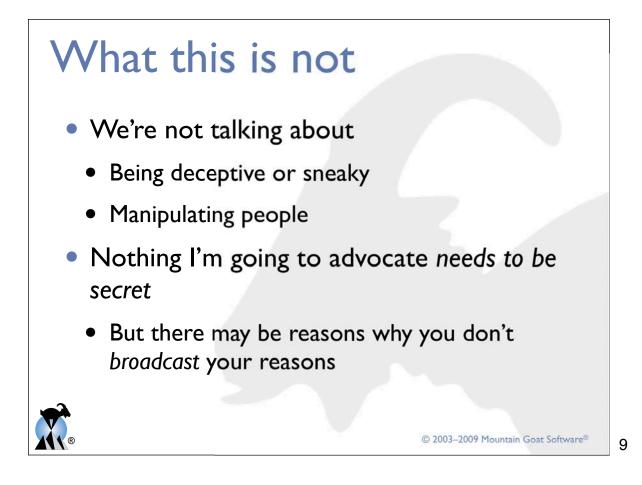
Although project teams are largely on their own, they are not uncontrolled. Management establishes enough checkpoints to prevent instability, ambiguity, and tension from turning into chaos. At the same time, management avoids the kind of rigid control that impairs creativity and spontaneity.

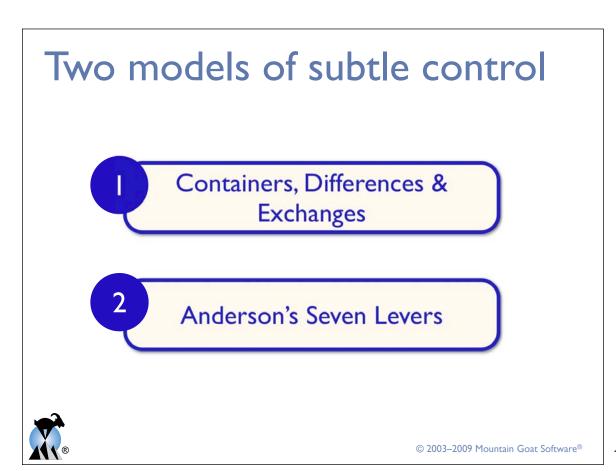
~Takeuchi & Nonaka

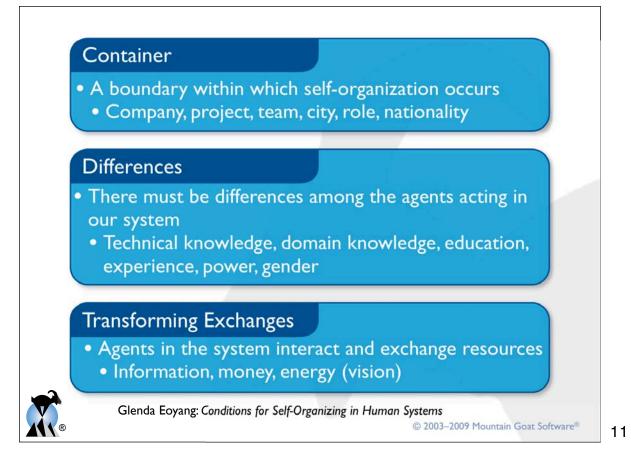
"The New New Product Development Game", Harvard Business Review, January 1986.

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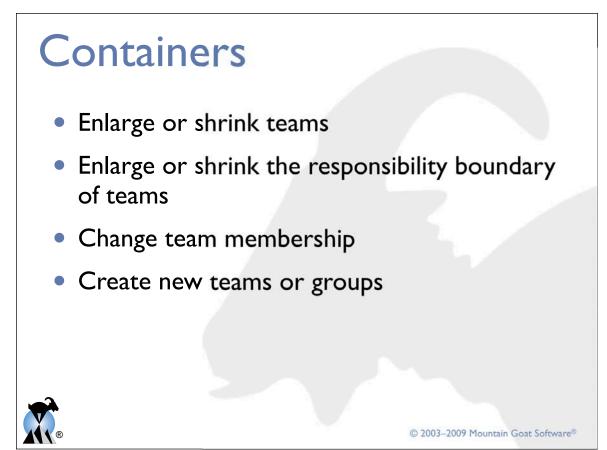


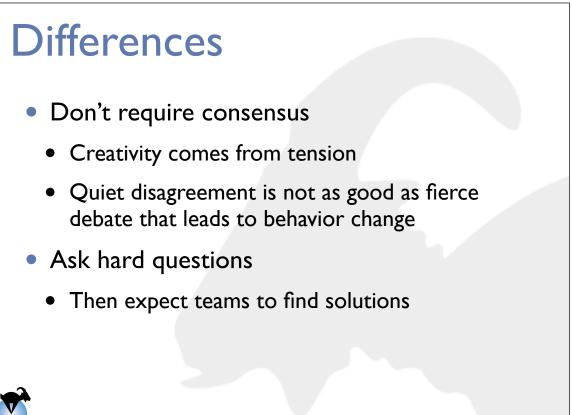


Using the CDE model

- You can influence how a team self-organizes by altering the:
 - Containers
 - formal teams, informal teams, clarify (or not) expectations
 - Differences
 - Dampen or amplify them within or between containers
 - Exchanges
 - Insert new exchanges, new people, new techniques or tools







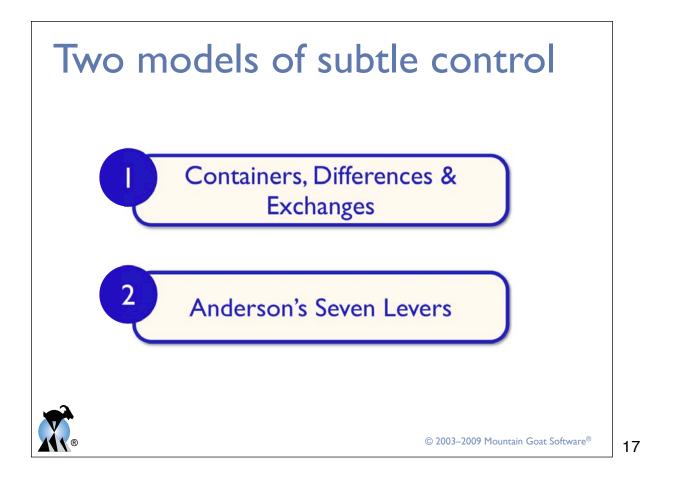


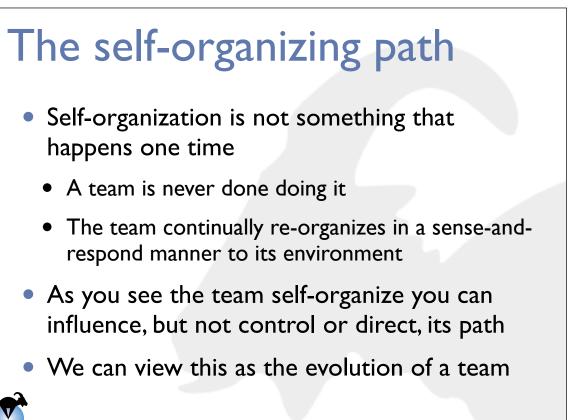
An Example

Would you alter a Container, Difference or Exchange in this case?

• The team consists of four developers, two testers, a database engineer and you. The developers and testers are not working well together. Developers work in isolation until two days are left in the iteration. They then throw the code "over the wall" to the testers.







Self-organization proceeds from the premise that effective organization is evolved, not designed. It aims to create an environment in which successful divisions of labor and routines not only emerge but also self-adjust in response to environmental changes. This happens because management sets up an environment and encourages rapid evolution toward higher fitness, not because management has mastered the art of planning and monitoring workflows.

~Philip Anderson

"Seven Levers for Guiding the Evolving Enterprise," in The Biology of Business edited by John Henry Clippinger III.

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Variation, selection & retention

- Evolution is the result of three elements:
 - Variation, selection and retention
- Consider a giraffe:
 - Variation: A random mutation that leads to a longer neck
 - Selection: The long neck helps it reach food others can't; so it it more likely to survive and breed
 - Retention: The mutation is passed to its descendants





- 6. Evolving vicarious selection systems
- 7. Energizing the system



Philip Anderson, "Seven Levers for Guiding the Evolving Enterprise."

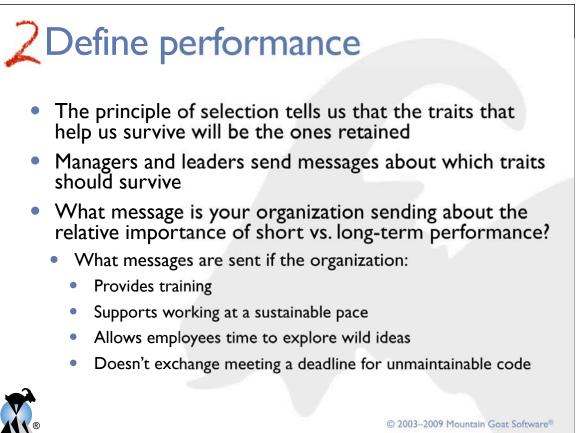
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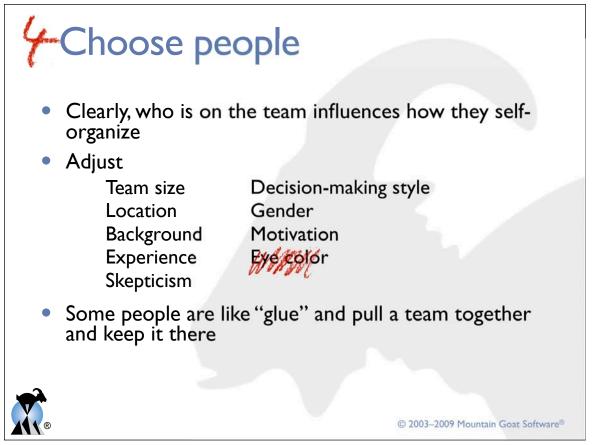
Select the external environment

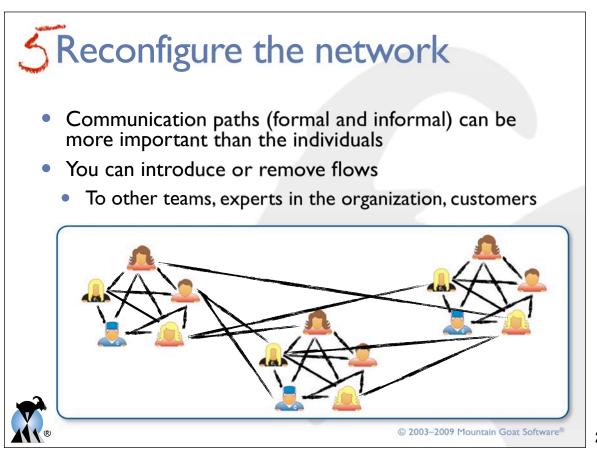
- More than just the physical environment
 - What business are we in?
 - (OK, maybe you can't influence this one, but someone can
 - The company's approach to innovation
 - Fast follower or innovator? Are mistakes OK? When?
 - Types of projects worked on and the rate at which they are introduced to the organization
 - Expectations about multitasking and focus

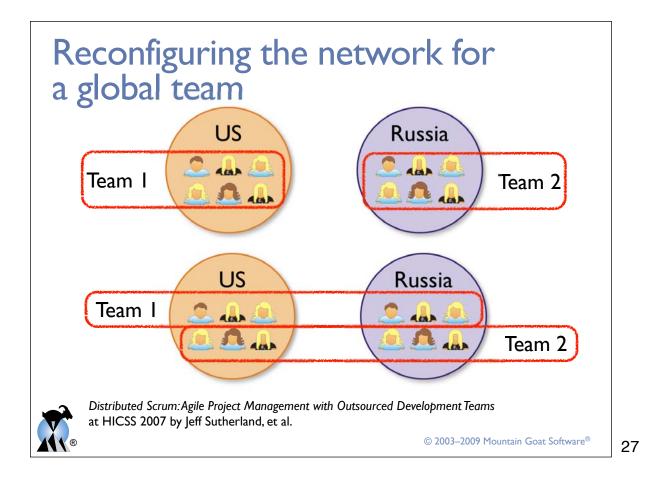




3 Manage meaning Individuals in a CAS respond to the messages they receive; e.g., bees responding to a "danger" message ants responding to a "food found over here" message Leaders can push messages into the system e.g., putting the the team in touch with customers Or keep messages out Meaning often comes from the stories, myths and rituals that are repeated "We will become profitable this quarter." "Our GM counts the cars in the lot every day at 5 PM" © 2003–2009 Mountain Goat Software®







6 Evolve vicarious selection systems

- Variation—Selection—Retention
 - Selection was determining which variations will be retained
 - Can take a long time
- So we often use vicarious selection systems
 - This is an animal that can smell that a food is poisonous, rather than eating it
- Using only the marketplace as our selection mechanism takes too long
- Organizations also evolve vicarious selection systems
 - Retrospectives, Google's 20% policy, compensation



