Agile Software Development
in a Large and Distributed Environment

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Diving for Hidden Treasures
Finding The Real Value in Your Project Portfolio
Johanna Rothman
Jutta Eckstein

Retrospectives for Organizational Change
An Agile Approach
Jutta Eckstein

Agile Software Development with Distributed Teams
Staying Agile in a Global World
by Jutta Eckstein

AGILE SOFTWARE DEVELOPMENT IN THE LARGE
Diving Into the Deep
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Agile Principles from
http://agilemanifesto.org

- **Early and continuous delivery of valuable software**
- **Welcome changing requirements**
- **Deliver working software frequently**
- **Business people and developers work together**
- **Trust motivated individuals**
- **Face-to-face conversation**
- **Working software is the primary measure of progress**
- **Promote sustainable development**
- **Technical excellence and good design**
- **Simplicity is essential**
- **Self-organizing teams**
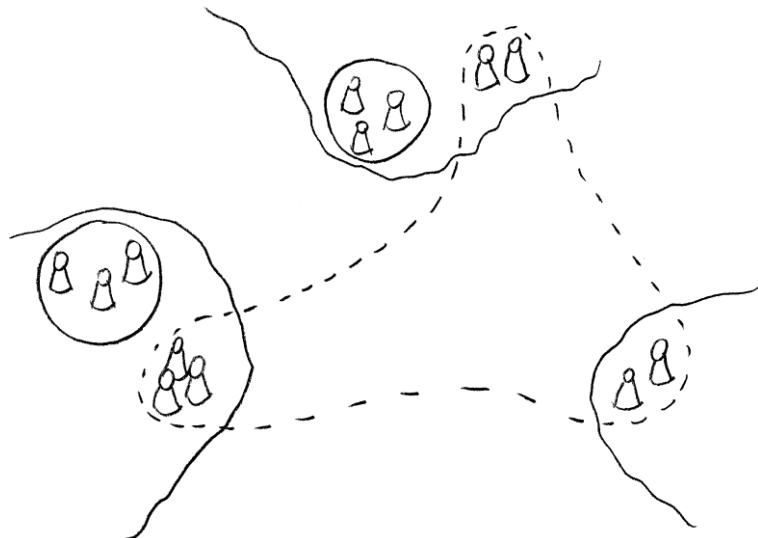- **Team reflection and adjustment**

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Topics Covered

- **Bridging Cultural Differences and Encourage Open Communication**
- **Building Personal Relationships and Trust**

BRIDGING CULTURAL DIFFERENCES AND ENCOURAGE OPEN COMMUNICATION
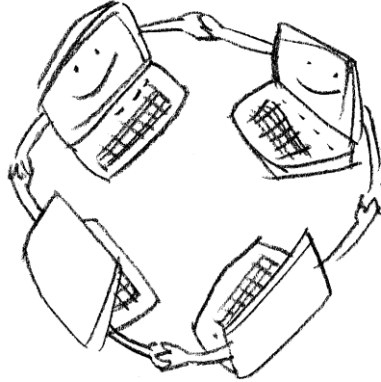
Building Whole Teams

- **Avoid the typical structure according activities and know-how**

- **Instead structure along domain areas**

Distributed and Dispersed Teams

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Dispersed Daily Scrum

■ **Ensure mutual respect**

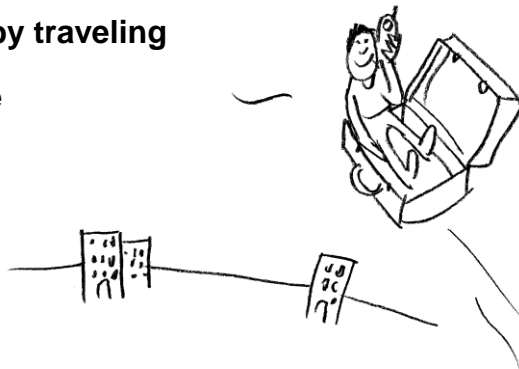# BUILDING PERSONAL RELATIONSHIPS AND TRUST

Trust needs Touch

- **Face-to-face should always be preferred**

- **Expatriates and other face-to-face options create understanding**

- **And yes, face-to-face has a price…**

> *"You will pay the costs of a face-to-face meeting, regardless of whether you have one or not."*
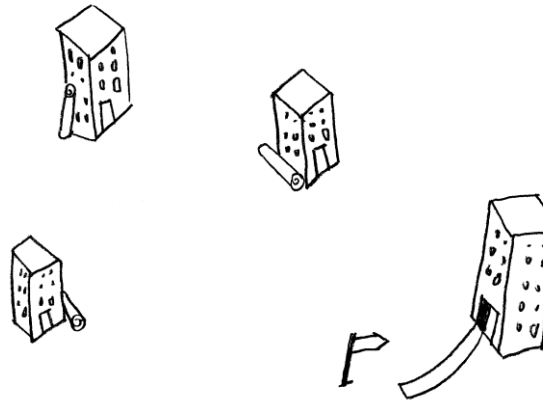> **–Ken Pugh**

Keep the Sites in Touch

- **Ensure communication by traveling**

- **Ambassador at each site**

Trust is based on Mutual Respect

- **Different meeting locations**
- **Pay attention to the vocabulary**

Trust Threshold

- **Trust threshold by ignoring necessary proximity**
- **Trust can be broken in an instant**

Creating a Community via Retrospectives

- **Regularly**

- **Different kinds of retrosepctives**

- **Virtual retrospectives**
  - A new example tool:
    - http://retrium.com

Last Note

"Creating an effective global team from multiple sites involves several key success factors:

building trust,
encouraging open communication,
building personal relationships,
and bridging cultural differences."

Erran Carmel
(American Univ.)

Many Thanks!

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Illustrations by Katja Gloggengießer