

**Research**

Discussion Group

**Distributed Agile**

A stylized silhouette of a mountain range in a darker shade of teal, located in the bottom right corner of the slide.

# People

- ◆ Jesal Bhuta -- USC
- ◆ Ebru Dincel -- USC
- ◆ Phillipe Kruchten: Rational IBM
- ◆ John Manzo – AgileTek
- ◆ Ev Sherwood – Motorola Labs

# Activities

- ◆ Identify Research Topics
- ◆ List Some Examples
- ◆ Discuss a Topic

# Forming an Agile-Distributed Cross Product of Research Topics

**Distributed**

ISSUES

**Agile**

NEEDS

X

# Agile-Distributed Research Cross Product

## ◆ Distributed Issues

- Geography/Space
- Time Zones
- Permanence  
(over time)
- Skills
- Culture (group  
values)
- Social (Among  
Individuals)
- Tasks over people
- Tasks over tools

X

## ◆ Agile Practices

- Pair Programming
- Frequent Builds
- Refactoring
- Customer Available
- Minimalist  
Documentation
- Daily Meetings
- Test First
- ...

# Issue Modifiers

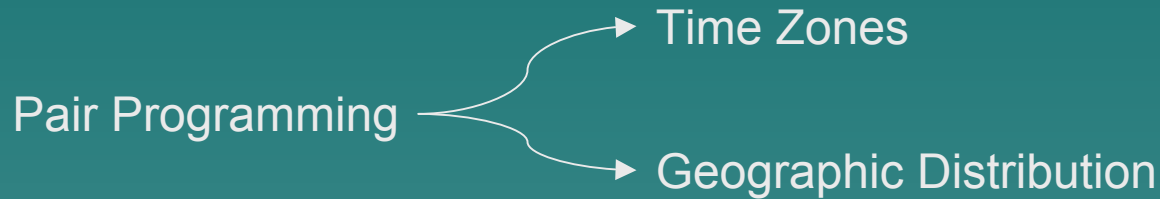
## ◆ Breakage

- Example: A project, currently in a single location, is to be divided among three continents

## ◆ Change

- Example: A shift in 1 time zone changes to a shift of 8 times zones

# Examples of Cross Products Topics Generated



# What needs to be communicated

- ◆ Status
- ◆ Design
- ◆ Negotiation
- ◆ Education
- ◆ Changes
- ◆ Emotions
- ◆ Directives
- ◆ Plans
- ◆ Project Artifacts
- ◆ Work Products



# Focus Topic:

# Geographic Distribution

- ◆ Agile Areas
  - Pair Programming
  - Daily Meeting
- ◆ Existing Solution
  - Telephone Conference
  - Net Meeting
- ◆ Issues
  - Speech is Sequential
  - Viewing Area
  - Gaze awareness
  - Emotions
  - Body Language
  - Spatial Relations
  - Couplings of participants on their specific issues (for sidebars)
- ◆ Visual Solutions
  - Virtual Chart
  - Large Screen

## An encapsulation of the research issues ...

- ◆ What are the communication needs across all agile practices; what are the factors that affect these needs; what types of things are being communicated; what type of communication tool/method can be put in place; what are the gaps between the needs and what will be the satisfaction of these needs?