

Towards Better Understanding of Agile Values in Global Software Development

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Agenda

- Global Software Development
- Agile Software Development
- Method Rationale
- Rationale and Agile Values in GSD

Global Software Development

- Distance
 - Geographical
 - Temporal
 - Socio-technical
- Impacts processes of
 - Communication
 - Coordination
 - Control



Agile Methods

- Lightweight approaches
- "Just enough method"
- Seemingly contradictory to GSD
 - On-site customer

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- Face-to-face communication emphasized
- Aggressive release schedules



Method Rationale

- Reasons behind method prescriptions
- Reasons for adaptations of methods
- Important for understanding why a method prescribes something and for being able to rationally choose whether or not to follow a prescription – Rationality Resonance

Methods as Action Knowledge





Goals and Values









Agile Method Fragments in GSD

- Analysis of the use of agile method fragments in GSD
- GSD Goal: Reduce Distance!
- E.g. Pair Programming
 - Reduces temporal distance
 - Increases knowledge sharing, hence reduces socio-cultural distance



Achieving Agile Values

- Finding alternative ways of operationalizing agile values in goals and specific GSD method fragments
 - E.g. "on-site customer" not the only way to get business people and developers to work together, perhaps.
- Tailoring existing agile method fragments to a GSD context
 - E.g. Stand-up meetings to hand over work between sites



Conclusion

- Understanding the goals of agile methods and the values these reflect is important in order to understand why certain method fragments are suggested
- It could be used to
 - understand why particular agile method fragments apply (or not) in GSD
 - formulate alternative method fragments suitable for GSD that operationalize agile values



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