

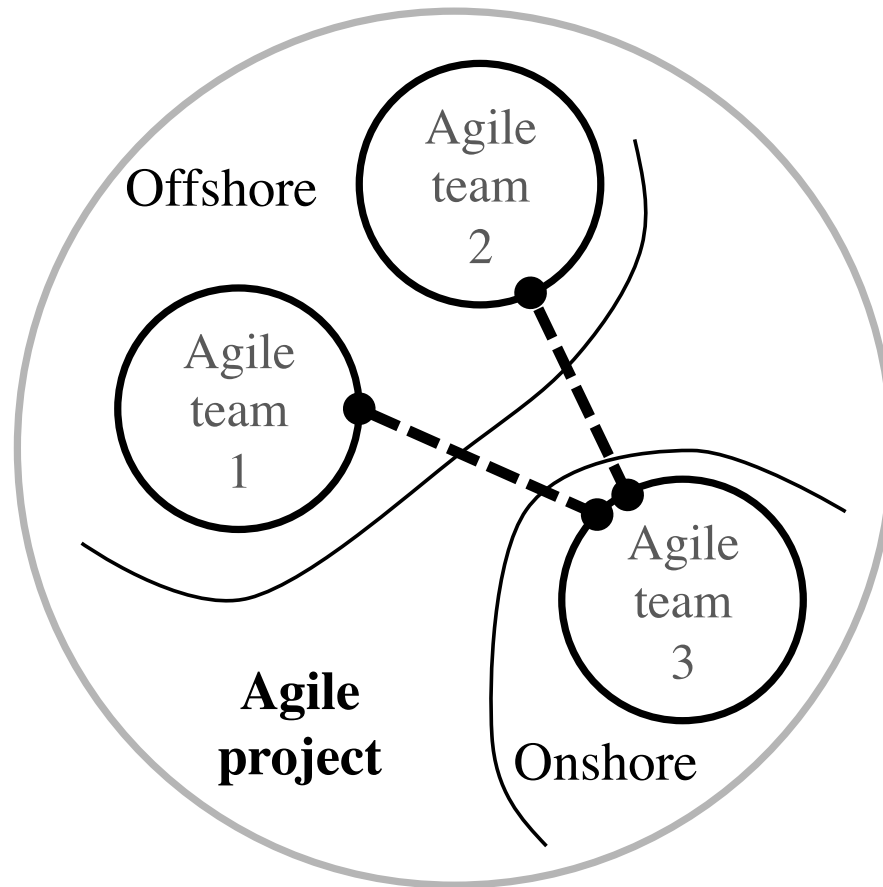


# Validity of Research on Large-Scale Agile Projects

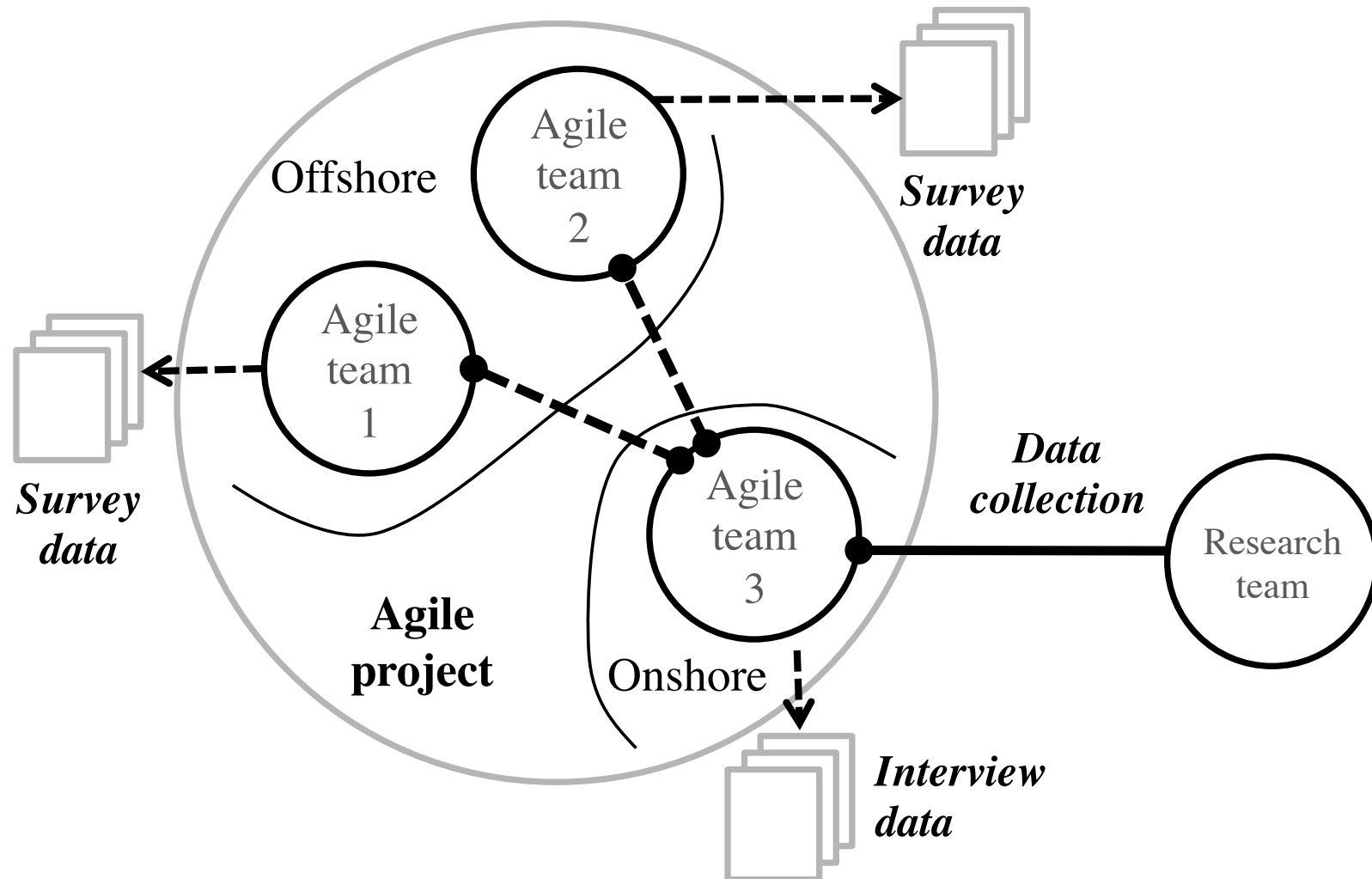
Darja Šmite, Burak Turhan  
June 7, 2013, Vienna, Austria



# Context



# Focus on data collection





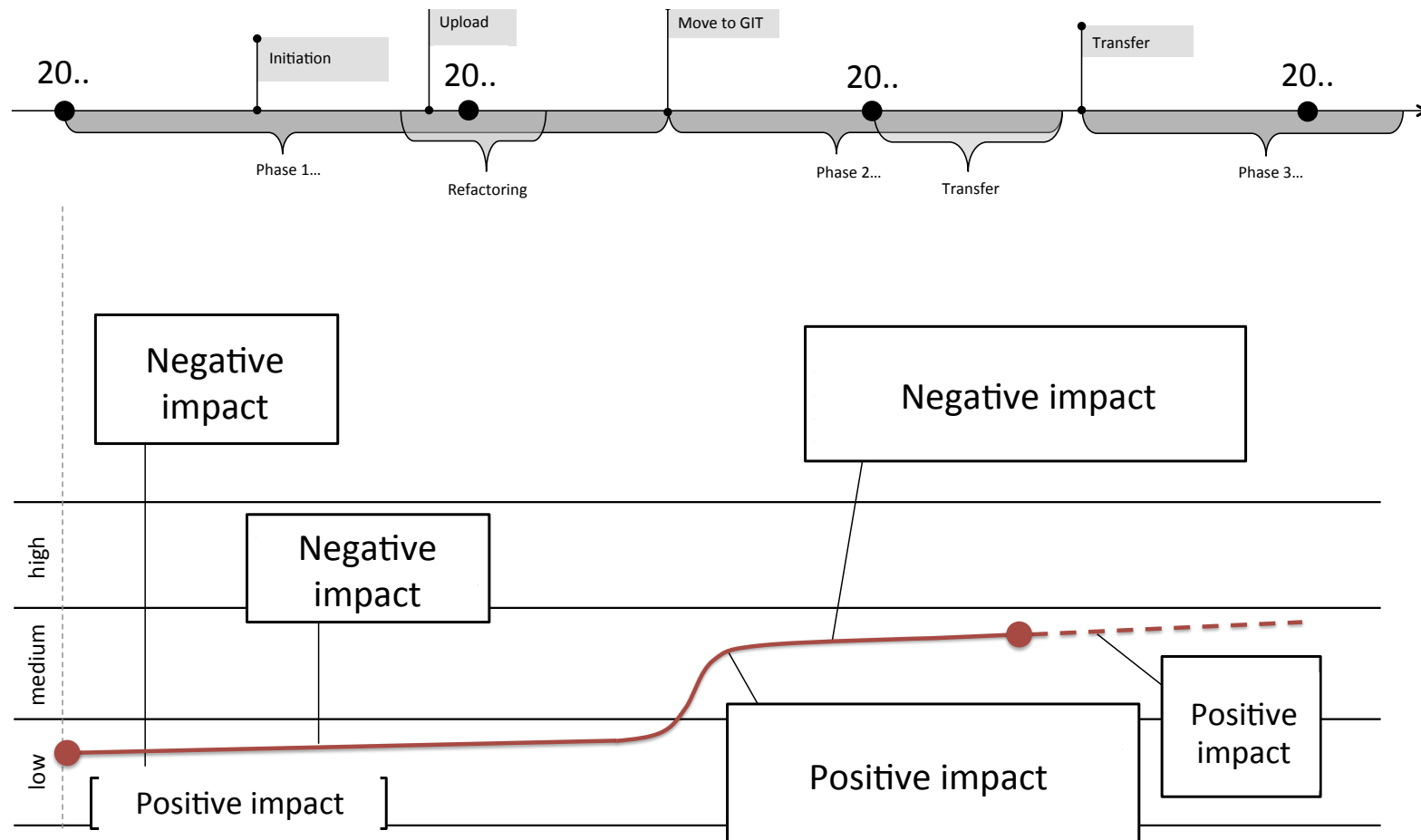
# Example: study on IC



- **Software product capital:**  
Software source code, Architecture, Documentation, Documented routines, Test cases and test documentation
- **Human capital:**  
Technical skills, Domain knowledge, Software product knowledge
- **Social capital:**  
Teamwork skills, Working with actors outside the team

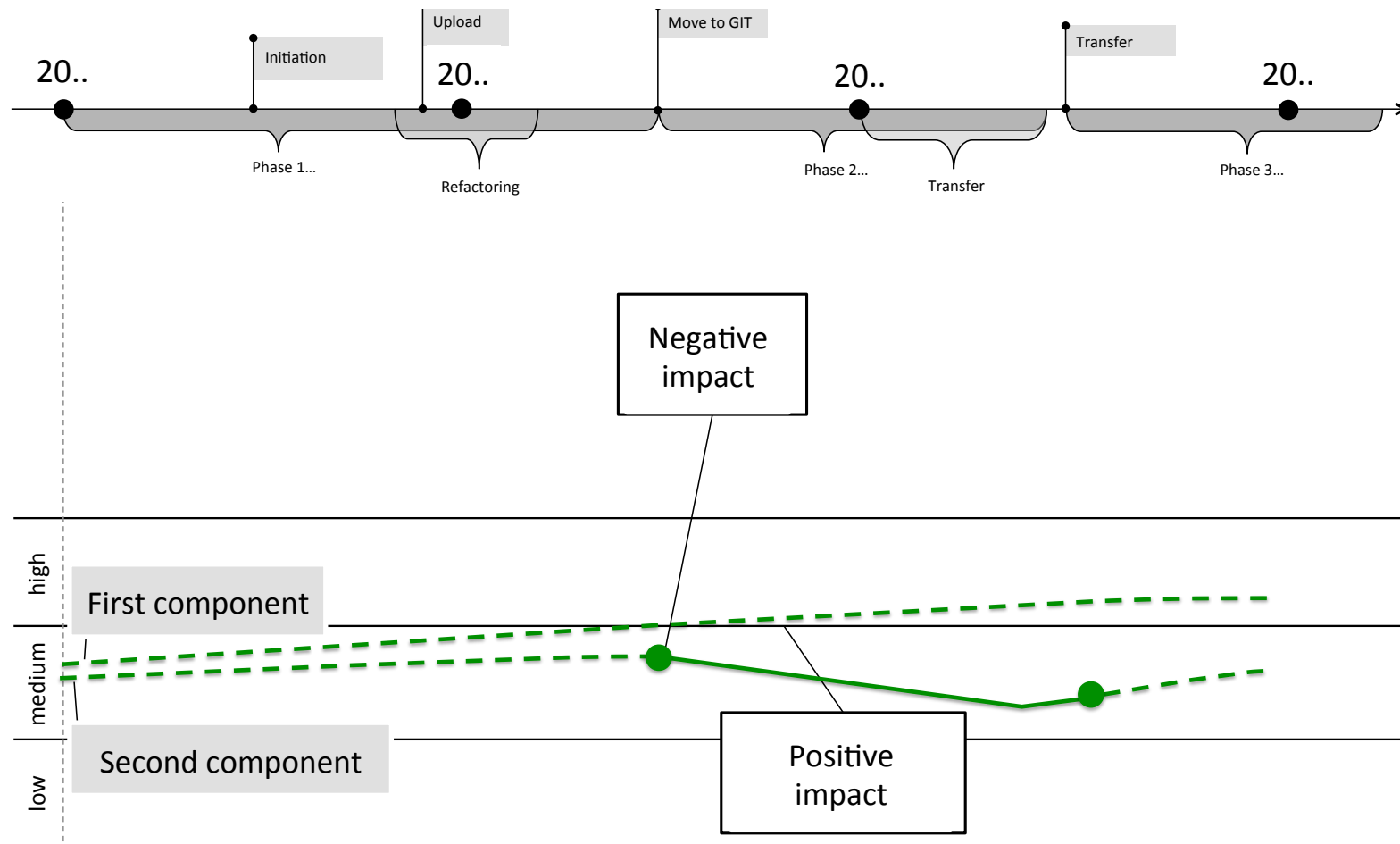
# Example: mood diagrams

Individual – one component



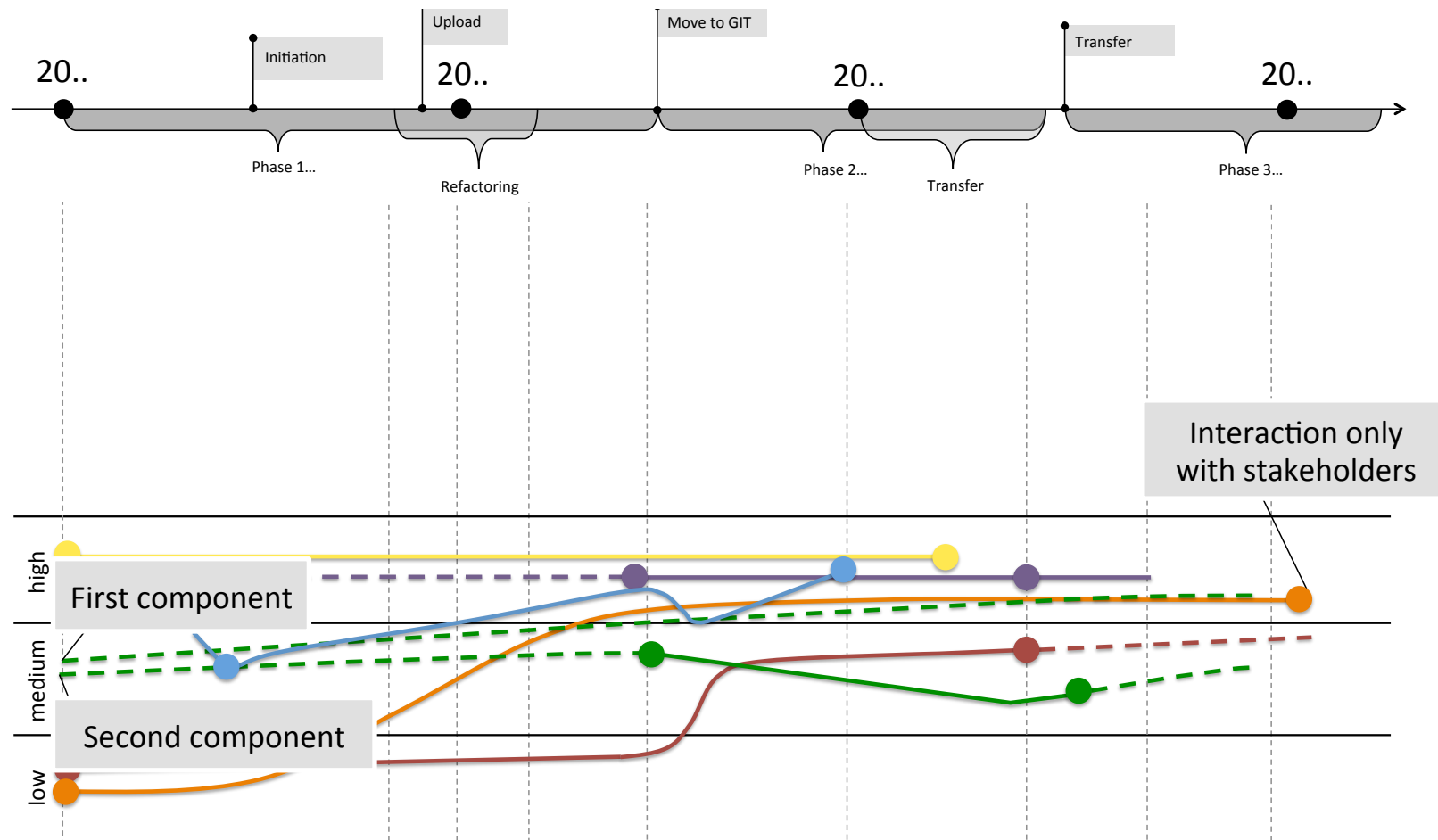
# Example: mood diagrams

## Individual – two components



# Example: mood diagrams

Everyone combined





# Potential issues: interviews



- Do we need to talk to everybody?
- Shall we cover each team?
- Can we conduct research ignoring the offshore teams?
  
- Perceptions and prejudices of onshore personnel are often more pessimistic than direct measurements





# Potential issues: surveys



- Mediated by the onshore team?
- In collectivistic societies the respondents might answer the surveys all together
- In high power distance societies respondents might seek the “correct” answer to please their management and not share the actual course of events



# Potential issues: agile



- Enough to ask if teams practice agile?
- Different interpretations of what agile is
- Different adaptations of agile methods
- Cultural flavors



**Questions?**