

Internet Appendix A26: Information Systems

Figure A26.1 Illustrative Pitch Template Example on Business Information Systems

Pitcher's Name	Mone Andrias	FoR category	Information Systems	Date Completed	19/1/2015
A. Working Title	The Impact of Leadership in Agile Information System Development Projects				
B. Basic Research Question	What impact has leadership in agile ISD projects? What impacts have leadership factors on agile ISD team characteristics? What impacts have leadership factors of the relationship between agile ISD team characteristics and agile ISD project outcomes?				
C. Key Papers	<ul style="list-style-type: none"> ▪ Dyba, T., and Dingsoyr, T. 2008. "Empirical studies of agile software development: A systematic review," <i>Information and Software Technology</i> (50:9-10) Aug, pp 833-859. ▪ Uhl-Bien, M., Marion, R., and McKelvey, B. 2007. "Complexity leadership theory: Shifting leadership from the industrial age to the knowledge era," <i>The leadership quarterly</i> (18:4), pp 298-318 				
D. Motivation/Puzzle	<p>Motivation: Agile ISD method is adopted widely since it is related to positive outcomes e.g. improve productivity, reduce costs, compress time-to-market, and improve software quality (Schwaber et al., 2007; VersionOne, 2014). However, not all agile ISD projects are successful. Leaders can make up for the failures, but little is know how as an agile team per se is set up to operate without a designated leader.</p> <p>Puzzle: What is the impact of leadership on agile team characteristics and agile ISD project outcomes?</p>				
THREE	Three core aspects of any empirical research project i.e. the "IDioTs" guide				
E. Idea?	Empirically test the impacts of leadership on agile characteristics and ISD project outcomes.. Some empirical studies showed positive impacts of agile ISD method but they "ignore" the impact of leadership on agile team characteristics and agile ISD outcomes.				
F. Data?	<ol style="list-style-type: none"> 1. Setting: worldwide; Unit of analysis: agile ISD team/project; Sampling: cross-sectional 2. Expected sample size: 250 agile ISD teams/projects; 3. Data sources: community of agile ISD practitioner 4. Data collection: survey (on-line) 				
G. Tools?	Google application for online survey Software: SPSS for data cleansing and preparation, and SEM software e.g. Amos or Lisrel for data analysis to test the research model.				
TWO	Two key questions				
H. What's new?	There is no theoretical knowledge in the agile ISD literature about the impact of leadership because an agile ISD is conceptualized as an autonomous, complex, independent, and self-organising system where no explicit leader exists.				
I. So What?	The result of this research will provide theoretical and practical knowledge about how to govern and manage agile ISD projects in the future.				
ONE	One bottom line				
J. Contribution	A novel theory on leadership in agile ISD.				
K. Other Considerations	A case study will follow the survey to provide more explanation for competing or ambiguous findings; an action research study is possible as well where the findings can be tested in team settings.				