



In conjunction with ICIS'08 conference

A pre-ICIS workshop:
**Information Systems research and education in
developing countries**



Sunday December 14th, 2008, Paris - FRANCE

Multimethodology in Information Systems Research: Two examples in Colombia

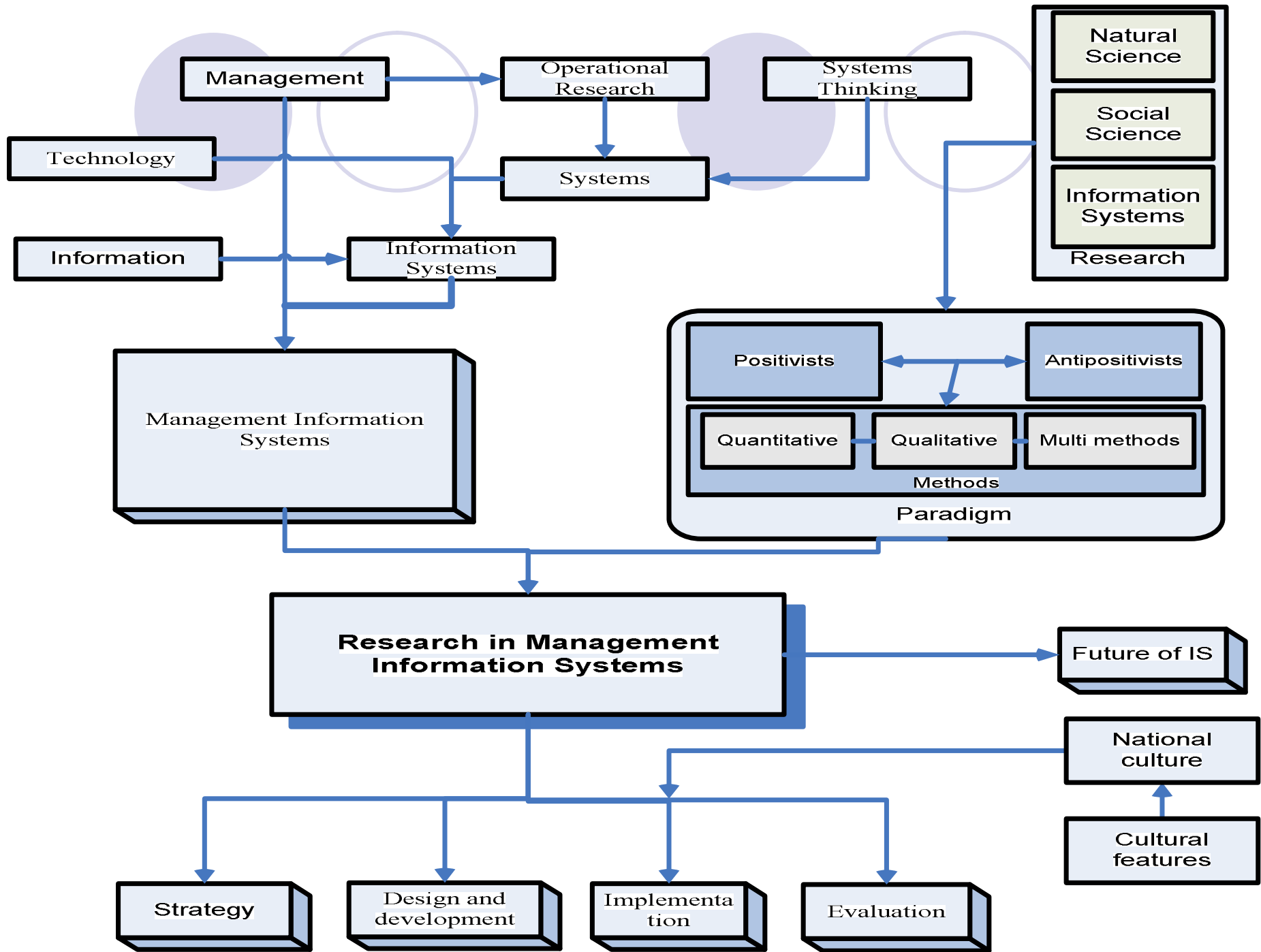
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Multimethodology in Information Systems Research: Two examples in Colombia

1. Interdisciplinary Laboratory in MIS
 1. Management Science
 2. Industrial Engineering
 3. Systems & Computing Engineering
2. Course: Introduction to Management Information Systems Research
3. Two research projects
 1. Paradigm: Critical Realism
 2. Methodology: Multimethodology

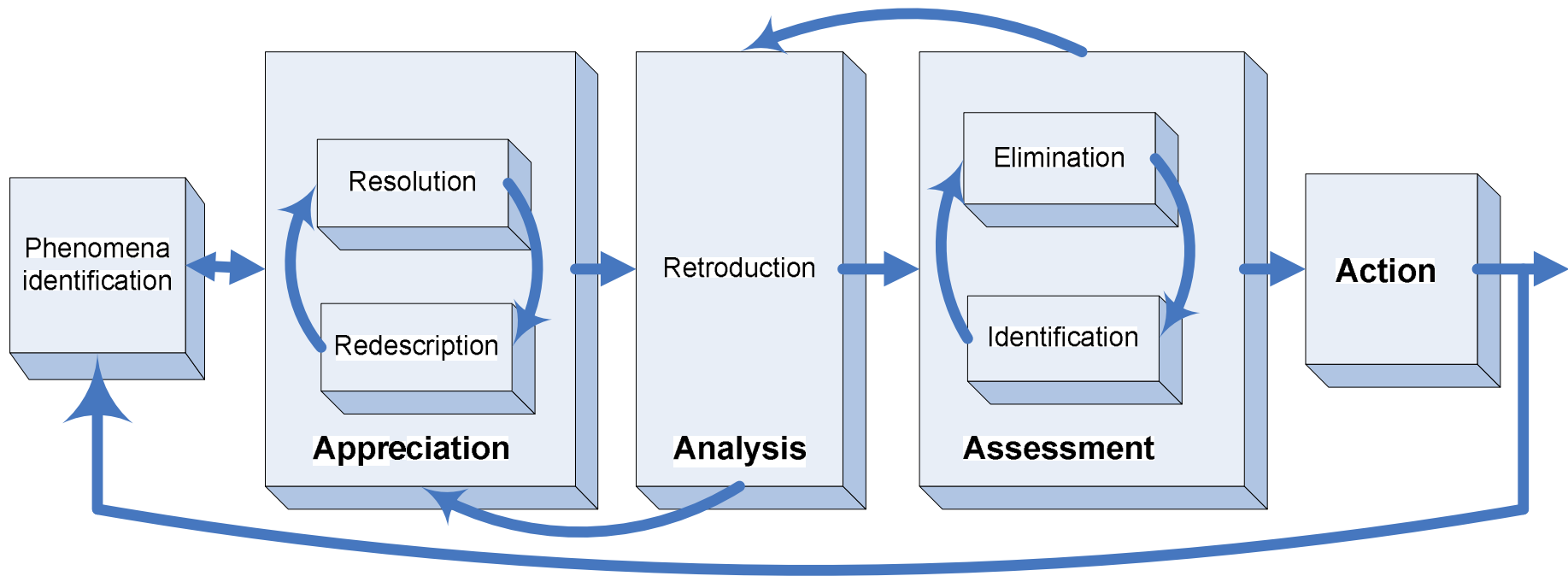




Two research projects

- | Knowledge Acquisition in Information Systems Implementation Projects: towards Project Success
 - | Manage knowledge acquisition process in order to increase the projects success
- | E-learning - Social Isolation - Dropout
 - | Explanation Dropout in National Training Service

Two research projects - Methodology



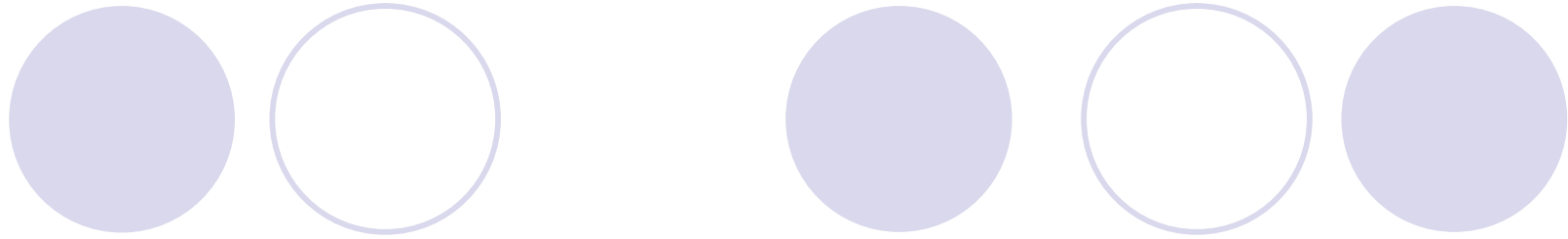
From Bhaskar(1994), Mingers (2006)

Two research projects - Multimethodology

Habermas' Worlds	Appreciation of	Analysis of	Assessment of	Action to
Social World (2)	Roles, norms, social practices, culture and power relations	Norms, practices, culture and underlying social structures	Ways of changing existing practices and culture	Generate enlightenment of social situation and empowerment
Personal World (3)	Individual beliefs, meanings, values and emotions	Differing <i>Weltanschauung</i> and personal rationalities	Alternative conceptualisations and constructions	Generate understanding personal learning and accommodation of views
Material World (1)	Material and physical processes and arrangements	Underlying causal structures	Alternative physical and structural arrangements	Select and implement best alternatives

Habermas' Worlds	Appreciation of	Analysis of	Assessment of	Action to	Appreciation of	Analysis of
	Phase I General problematic	Phase II – multiple case study			Phase III Qualitative Study	Model to planning and manage the knowledge acquisition
Social World (2)	<ul style="list-style-type: none"> • Interviews with experts • Strategic choice: graphic decision and problem focus • Literature revision 	<ul style="list-style-type: none"> • Semi-directive interviews • Field observations • System map • SSM- « Rich Picture » • Literature revision 	<ul style="list-style-type: none"> • Qualitative Analysis of interviews and observations • Models 	<ul style="list-style-type: none"> • Qualitative Analysis of interviews and observations • Matrix • Literature revision 		
Personal World (3)	<ul style="list-style-type: none"> • Interviews with experts • Interviews Analysis • Literature revision 	<ul style="list-style-type: none"> • Semi-directive interviews • SSM- « Rich Picture » • Literature revision 	<ul style="list-style-type: none"> • Qualitative Analysis of interviews • Cognitive mapping 		<ul style="list-style-type: none"> • Survey • Quantitative Analysis 	
Material World (1)	<ul style="list-style-type: none"> • Methodologies • Norms • Surveys • Technology 	<ul style="list-style-type: none"> • Documentation (contracts, propositions, procedures, reports, surveys) 	<ul style="list-style-type: none"> • Documentation analysis • Reports and surveys analysis • Tables 	<ul style="list-style-type: none"> • Documentation analysis • Matrix • Qualitative Analysis 		

Habermas' Worlds	Appreciation of	Analysis of	Assessment of	Action to
Social World (2)	<ul style="list-style-type: none"> • Study the context of the country and organization • Field observations • Work with system managers • System map • SSM- « <i>Rich Picture</i> » 	<ul style="list-style-type: none"> • Analysis of the structuration process between learns and courses structure • Analysis of the dropout causes • Models • Qualitative Analysis of interviews and observations 	<ul style="list-style-type: none"> • Workshops with the actors in order to identify the real causes generating the problem, study the qualitative and quantitative results obtained. • Surveys to measure the factors of dropout and learners' feelings of social isolation. 	<ul style="list-style-type: none"> • Model of correctives to the organisation and courses • Model of correctives to the tutors • Socialisation of recommendations
Personal World (3)	<ul style="list-style-type: none"> • Semi-directive interviews with the actors: managers, tutors and learners. • Courses taken in the system by the author. • Literature revision 	<ul style="list-style-type: none"> • Qualitative Analysis of interviews and observations • Cognitive mapping 	<ul style="list-style-type: none"> • Semi-directive interviews with tutors and learners. 	<ul style="list-style-type: none"> • Model with recommendations to the actors on a personal level.
Material World (1)	<ul style="list-style-type: none"> • Country and context information remarkable to the system • Files and database learners information, courses, communications between actors 	<ul style="list-style-type: none"> • Analysis of the documentation, reports and surveys • Tables 	<ul style="list-style-type: none"> • Surveys to measure the factors of dropout and learners' feelings of social isolation. 	<ul style="list-style-type: none"> • Model with modifications concerning the courses (if needed)



Thanks for your attention

