Multimethodology **Combining Management Science Methods** A Rich Picture Representation of my PhD Study so far University of Kent Yolanda Brown (yfb4@kent.ac.uk) University of Kent Supervisor: Professor John Mingers June 2008 The Journey Begins: Introduction Undergraduate Masters Dissertation: Combining SSM and DESM in an Athletics Club This rich picture representation gives a holistic view of the focus and findings in my study so far. It also communicates the future direction of my research which focuses on the use and development of Multimethodology in Management Science (along with some emotions!) **Definition of Multimethodology** Multimethodology Soft Systems Methodology (SSM) Multimethodology is Discrete Event Simulation (DESM) "Combining together more than one methodology (in whole or part) within a particular intervention. Thus it is not the name of a single methodology or even of a specific way of combining methodologies together. Rather it refers to the whole area of utilizing a plurality of methodologies or techniques or techniques within the practice of Management Science taking action in problematic situations". Mingers and Gill (1997) "This Study and my interest in Multimethodology could go a lot further in theory and practice" Soft Systems Methodology (SSM) Combinations in Literature and and Data Envelopment Analysis (DEA) Practice Multi-Criteria Decision Analysis (MCDA) and Conflict Analysis (Drama Theory) C Control Cont There have been many practical applications of multimethodology in Management Science documented in literature. I have collected Soft Systems Methodology (SSM) examples of these combinations and categorised them to see: and This study by Losa and Belton (2006) looks into developing a framework for multiparty and multi-criteria problems which "involves conflicts among people and goals". The paper illustrates the "synergy" between multi-criteria methodologies. Discrete Event Simulation DESM What has been tried The feedback and success rates Practical and Theoretical approaches This study by Mingers and Kotiadis (2006) was applied to waiting times at an East Kent Hospital system and Areas of application Cognitive mapping (CM) and in order to better understand the industry, praises the application of System Dynamics (SD) multimethodology in this practical and academia and developments Here are some examples: theoretical case study This PhD study will be a detailed analysis of Outcome: - My PhD Study generic Management Science combinations Advise to practitioners Theoretical development in combining Management Science methods A Detailed Analysis of It will focus on a variety of combination ideas with an inclusion of methods such as: Generic Combinations Recommendations for further applications and development Soft Systems Methodology (SSM) Strategic Choice Analysis (SCA) Cognitive Mapping ... here's to the future of multimethodology ... and many more! The conclusions of this thesis aim to have theoretical and practical impact to help give a Methodology: positive direction to successful multimethodology applications Empirical Research and application Survey's with practitioners Theoretical applications pulled from philosophical and theoretical knowledge This section looks at the history and the main writers behind Midgley This section looks at the matory and the main writers becaute the development of multimethodology. Five main writers have been identified and I have looked into the philosophy behind Ormerod Like Mingers, looks at creatively their thinking. Although all approach the idea of mixing A Practical thinker who designing methods but also has strong view of the 3 paradigms methods there are different approaches in relation to: mixes management science methods freely Deep which can restrict practical application. Thinking ... according to the problem situation Paradigm views (Hard / Soft / Critical) Mixing across paradigms · Frameworks and approaches to mixing methods The degree of practical or theoretical thought to approaches The main writers and their general thoughts are illustrated Ulrich Critical pragmatism with a theoretical and critical approach based in heuristics, Minaers Jackson Philosophy, Theory and A critical systems thinker that has Developed a Multimethodology framework with a focus on using parts of methods to create the est methodology for the problem a view of 3 paradigms (inspired by Habermas) that are not easily mixed but he explores the idea of challenging the boundaries of History of Mixing Methods 리슈 Management Science methods.. mixing methods situation transcending paradigms

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