Record Nr. UNINA9910816200403321 **Titolo** Community based water management and social capital / / Kiyoshi Kobayashi [and three others] Pubbl/distr/stampa London, England:,: IWA Publishing,, 2014 ©2014 **ISBN** 1-78040-545-6 1 online resource (250 pages): illustrations Descrizione fisica Disciplina 333.910091724 Soggetti Water-supply - Developing countries - Management Infrastructure (Economics) - Developing countries Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references at the end of each chapters. Nota di contenuto List of Figures; List of Tables; About the Authors; Preface; Foreword; 1. Aspects of community-based water management and social capital; 1.1 Introduction; 1.2 Foundation of Collective Action; 1.3 Water Governance and Participatory Approaches: 1.4 Institutions of Community-Based Water Management; 1.5 Case Studies; 1.6 Concluding Comments; 1.7 References; 2. An alternative clean water supply system for community living in coastal and flood-prone areas: lesson learned from Legon Kulon village; 2.1 Introduction 2.2 The Community and Water Supply Management in Legon Kulon Village 2.3 The Framework; 2.4 Water Management Plan; 2.5 Conclusion: 2.6 References: 3. Collective action in water resource management: theoretical perspectives and propositions; 3.1 Introduction: 3.2 Collective Action for Managing Common Pool Resource (CPR): Elinor Ostrom Framework; 3.3 Conditions of Collective Action: Robert Wade's Perspective; 3.4 A General Theory of Collective Action: 3.4.1 Individual Preference and Choice: 3.4.2 Potential Actors and Focal Actors: 3.4.3 Shared Knowledge and its Accessibility 3.4.4 Prevailing Objective Conditions in the Society 3.4.5 Sustaining Collective Action: Role of Structuration and Legitimation Dynamics; 3.5 Applying the General Theory for Collective Water Resource Management: Theoretical Propositions for Empirical Validation; 3.6

Concluding Remarks; 3.7 References; 4. Participatory approach to

community based water supply system; 4.1 Introduction; 4.2 Empirical Research; 4.2.1 Access to Water; 4.2.2 Demographic Data of the Respondents; 4.3 Model and Estimation Method; 4.3.1 Model; 4.3.2 Bayesian Inference; 4.3.3 The Markov Chain Monte Carlo (MCMC) Sampler

4.4 Results and Discussions 4.4.1 The Explanatory Variables; 4.4.2 The Weight Matrix: 4.4.3 Estimation Results: 4.5 Conclusion: 4.6 References; 5. Social capital and governance for efficient water management; 5.1 Water - An Unevenly Supplied Indispensability for Life; 5.2 The Multiple Identities of Water; 5.3 Three Alternatives for Water Management; 5.4 Problems of Government in Many Developing Countries: 5.5 What is "Good Governance" in Water Management?: 5.6 Self-Organized Systems for Management of Common Resources; 5.7 The Importance of Social Capital; 5.7.1 Historical Social Capital 5.7.2 Confidence as Social Capital 5.7.3 Networking as Social Capital; 5.7.4 Learning as Social Capital; 5.7.5 Economy-Related Social Capital; 5.7.6 The Mobilizing Role of Social Capital; 5.8 Social Capital in the Governance of Urban Water Supply; 5.8.1 Bonding Social Capital; 5.8.2 Bridging Social Capital; 5.8.3 Linking Social Capital; 5.8.4 Social Capital and Governance; 5.9 Some Conclusions; 5.10 References; 6. Trust formation in collaborative water management; 6.1 Introduction; 6.2 Private Language and Communication; 6.2.1 A Theory of Communication; 6.2.2 The Problem of Private Language 6.2.3 The Subjective Communication Game