Record Nr.	UNISA996466173003316
Titolo	Electronic Government and the Information Systems Perspective [[electronic resource]]: 6th International Conference, EGOVIS 2017, Lyon, France, August 28-31, 2017, Proceedings / / edited by Andrea K, Enrico Francesconi
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-64248-0
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XI, 307 p. 69 illus.)
Collana	Information Systems and Applications, incl. Internet/Web, and HCI ; ; 10441
Disciplina	004
Soggetti	Computers and civilization
	Application software
	Coding theory
	Information theory
	E-commerce
	Computers
	Law and legislation
	Information storage and retrieval
	Computers and Society
	Information Systems Applications (incl. Internet)
	Coding and Information Theory e-Commerce/e-business
	Legal Aspects of Computing
	Information Storage and Retrieval
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Intro Preface Organization Contents Digitalization and Transparency Digitalization as Challenge for Electronic Government Abstract 1 Digitalization as Megatrend 2 Knowledge Matching Diverse Problem Areas 3 Knowledge and Government 4 Knowledge Repositories 5 User Interfaces and Usability 6 OGD

1.

and Big Data -- 7 Collaboration -- 8 Participation -- 9 Mobile Government -- Tyrant Leaders as e-Government Service Promoters: The Role of Transparency and Tyranny in the Implementation of e-Government Service -- Abstract -- 1 Introduction -- 2 Theoretical Background -- 2.1 Transparency as a Signal -- 2.2 The Upper Echelon in Strategic IT Decision Making -- 3 Proposition Development -- 3.1 The Effect of Transparency on EGS Implementation -- 3.2 The Interaction Between Tyrannical Leadership and Transparency -- 3.3 The Three Way Interaction Between Tyrannical Leadership, Transparency and Size of Department/Agency -- 4 Conclusion and Implications --References -- Electronic Forms-Based Model of Public Administration Operations -- Abstract -- 1 Introduction -- 2 Problem Statement and Research Question -- 2.1 The Traditional Processing Model of Public Administration Operations -- 2.2 Research Question and Method --2.3 The Necessity of Using Structured Data -- 3 The Data-Centric Model of Public Administration Operations -- 3.1 The Concept of Electronic Forms-Based Processing -- 3.2 The Concept of the e-Document -- 3.3 Steps Involved in Electronic Forms-Based Processing -- 4 An Architecture for the Electronic Forms-Based Processing in Hungary -- 4.1 The Architectural Elements of the Unified Integrated System -- 4.2 Processing in the Unified Integrated System -- 5 Conclusions -- References -- E-Government, e-Governance and Urban Planning: Towards a Complete Digital Planning Process -- Abstract -- 1 Introduction.

2 Urban Planning Standardization Process and the Urban Information System -- 2.1 Urban Information Principles -- 2.2 The NOTEPA Project -- 2.3 Files Management Data Base -- 2.4 The Urban Information System -- 3 Electronic Processing System -- 3.1 Urban Platform of Aragon -- 3.2 Urban Planning Digital Diligence -- 4 Participation: e-Government and e-Governance -- 5 Conclusions -- References --Open Data Ecosystem -- Open Data Ecosystems -- Abstract -- 1 Introduction -- 2 Open Data Ecosystems and Roles in the Ecosystems -- 2.1 Definition of an Open Data Ecosystem -- 2.2 Functions in an Open Data Ecosystem -- 3 Need for a Stimulator Function -- 3.1 A Latent Function in the Open Data Literature? -- 3.2 Relevance of Transposing Leadership's Concepts from Other Research Fields -- 3.3 Need for a Function Dealing with Strategy -- 4 Stimulator's Function in an Open Data Ecosystem -- 4.1 Analysis of the Current Ecosystem and of the Relevant External Parts -- 4.2 Developing a Strategic Vision --4.2.1 Definition of the Ecosystem's Goals -- 4.2.2 Shape and Functioning of the Ecosystem -- 4.2.3 Orchestration Processes Serving a Strategic Vision -- 4.3 Acting on the Ecosystem -- 4.3.1 Arguments for Public Bodies Acting as Stimulators -- 4.3.2 Ecosystem's Stimulation by Public Procurement Lever -- 4.3.3 Current Practices -- 4.3.4 BE-GOOD -- 5 Conclusion and Further Researches -- References --Enabling Spatial Queries in Open Government Data Portals -- Abstract -- 1 Introduction -- 2 Related Work -- 3 The Spatial Search Engine --3.1 Requirements -- 3.2 Architecture -- 3.3 The Data Schema -- 4 The Geocoding Process -- 5 The Information Retrieval Process -- 5.1 The Spatial Overlap -- 5.2 The Spatial Relevance -- 5.3 The Spatial Ranking -- 6 Implementation and Experimental Evaluation -- 7 Conclusions --References.

Practical Use Cases for Linked Open Data in eGovernment Demonstrated on the Czech Republic -- 1 Introduction -- 2 Linked Open Data Playground -- 2.1 General Principles -- 2.2 Linking Principles -- 3 Demonstration for Ministry of Interior of the Czech Republic -- 3.1 Public Authorities List (PA) -- 3.2 Public Authorities Agenda (PAA) -- 4 Use Case 1: Exploration of Linked Datasets -- 5 Use

Case 2: Analytical Reports -- 6 Use Case 3: Presentation of Selected Entities -- 7 Conclusions -- References -- Intelligent Systems in E-Government -- Ontological Models of Legal Contents and Users' Activities for EU e-Participation Services -- 1 Introduction -- 2 Services and Main Use-Cases -- 3 Resources Taxonomy and FRBR -- 4 The Document Model -- 5 The Amendments Model -- 6 The Users' e-Participation Activities Model -- 7 Conclusions and Future Developments -- References -- Complexity Based Analysis of eGov Ontologies -- 1 Introduction -- 2 Related Works -- 3 Materials and Methods -- 3.1 Primitive Complexity Metrics of Ontology -- 3.2 Advanced Complexity Metrics of Ontology -- 3.3 Calculation of Advanced Complexity Metrics -- 4 Experiments -- 4.1 Dataset -- 4.2 Computer and Software Environment -- 4.3 Analysis of Primitive Metrics of oeGov Ontologies -- 4.4 Analysis of Advanced Complexity Metrics of oeGov Ontologies -- 5 Conclusion -- References -- Process-Based Query Tool to Rationalize Document Bases -- Abstract -- 1 Introduction -- 2 Theoretical Background -- 2.1 From Business Process Management to Process Ontology -- 3 Process-Based Document Processing and Querying -- 4 The 'Erasmus Mobility' Use Case -- 4.1 Process Engineering -- 5 Conclusion and Future Work --Acknowledgement -- References -- E-Government Research and Intelligent System -- Proposal for Application of Data Science Methods in E-Government -- Abstract -- 1 Introduction. 2 Citizen Relationship Management and Public Administration Architecture -- 2.1 Technology Architecture for Citizen Relationship Management and Data Analytics -- 2.2 Data About Citizens, Public Officers and Services of One-Stop-Government -- 2.3 Business Process and Workflow Modeling -- 2.4 Achievable Goal-Centric Data Analytics -- 2.5 Process Data Mining by Exploiting Data Analytics and Workflow Management -- 2.6 Combination of Data Processing and Data Warehouse Technologies -- 2.7 Problems in Public Administration Addressed by Data Analytics -- 3 Conclusion -- Acknowledgement --References -- A System Architecture for a Transnational Data Infrastructure Supporting Maritime Spatial Planning -- Abstract -- 1 Introduction -- 2 Background and Theory -- 2.1 Maritime Spatial Planning -- 2.2 Spatial Data Infrastructures -- 2.3 EU Directives Supporting Access to Information -- 2.4 Existing Data Portals for Maritime Spatial Planning -- 2.5 Interoperability and Data Exchange Formats -- 2.6 Defining Requirements for a System Design -- 3 Systems Design -- 3.1 The User Community and Their Needs -- 3.2 A Conceptual Systems Architecture -- 3.3 Implementation of Prototype -- 4 Discussion -- 5 Conclusion -- Acknowledgement -- References -- mGovernment and Inclusion -- Exploring Usability and Acceptance Factors of m-Government Systems for Elderly -- Abstract -- 1 Introduction -- 2 The Methodology -- 3 Understanding the Target Group -- 3.1 The Scenario: Searching Medical Treatment -- 4 Discussion -- 5 Conclusion -- Acknowledgement -- References --Designing Human Behavior Through Social Influence in Mobile Crowdsourcing with Micro-communities -- Abstract -- 1 Introduction -- 2 Related Work -- 3 Strengthening the Effect of Social Influence for Making Our Society Flourish -- 4 Guiding Collective Actions -- 4.1 Micro-missions in Micro-crowdfunding. 4.2 Crowdfunding Activities in Micro-crowdfunding -- 4.3 Virtual Currency in Micro-crowdfunding -- 4.4 Implementation Overview -- 5 Experimenting Micro-crowdfunding Based on the Analysis of the Effect of Social Influence on Community Members' Activities -- 5.1 The

Influence of Reciprocity -- 5.2 The Influence of Commitment and Consistency -- 5.3 The Influence of Social Proof -- 5.4 Design

	 Implication 6 Conclusion References Cast as Intended Verifiability for Mixed Array Ballots 1 Introduction 1.1 Motivation 1.2 Contribution 2 Preliminaries 2.1 Elliptic Curve ElGamal Cryptosystem 2.2 Zero Knowledge Proofs (ZKP) 3 Our Proposal 3.1 Participating Roles 3.2 System Description 4 Security 4.1 Integrity 4.2 Privacy 4.3 Verifiability 5 Conclusions References E-Government Cases - Data and Knowledge Management Institutionalization of the Reengineering of Strategic Management Processes in the Brazilian Public Management: A Case Study in Federal Government Organizations Abstract 1 Introduction 2 Theoretical Foundation 2.1 Historical-Analytical Perspective: Context of Administrative Reforms in Brazil 2.2 Institutional Perspective: Transformation and Institutionalization 2.3 Technical Perspective: Strategic Management Processes 3 Research Methodology 4 Development of the Case Study, Results and Discussion 4.1 Results - Organization "A" 4.2 Results - Organization "B" 4.3 Compared Results - Organization "A" and Organization "B" 4.4 Discussion 5 Conclusions References The Potential of the Estonian e-Governance Infrastructure in Supporting Displaced Estonian Residents 1 Introduction 2 Challenges of Displaced Persons and Aid Organizations 2.1 In Transit Flight from an Armed Conflict 2.2 Emergency Response of Aid Organizations. 2.3 Legal Integration into Host Societies.
Sommario/riassunto	This book constitutes the refereed proceedings of the 6th International Conference on Electronic Government and the Information Systems Perspective, EGOVIS 2017, held in Lyon, France, in August 2017. The 20 revised full papers presented were carefully reviewed and selected from 24 submissions. The papers areorganized in the following topical sections: digitalization and transparency; open data ecosystems; intelligent systems in e-government; e-government research and intelligent systems; m-government and inclusion; e-government cases - data knowledge management; and knowledge management in the context of e-government.