

Table of Contents

| | |
|--|-----|
| List of Figures | IX |
| List of Tables..... | XI |
| 1. Introducing the Notion of Information Quality | 1 |
| 2. Information Quality Problems and Current Approaches | 17 |
| 2.1 Background and Key Terms | 17 |
| 2.2 A Survey of Information Quality Problems in Knowledge-intensive Processes | 27 |
| 2.2.1 Information Quality Problems in Overview | 29 |
| 2.2.2 Information Quality Problem Patterns..... | 40 |
| 2.3 Information Quality Frameworks in Review | 46 |
| 2.3.1 Recent Models from Various Domains | 46 |
| 2.3.2 Evaluation of Seven Information Quality Frameworks..... | 50 |
| 2.3.3 Five Development Imperatives | 54 |
| 2.4 Conclusion: The Need for a New Framework | 55 |
| 3. A Framework for Information Quality Management | 57 |
| 3.1 Aim and Context of the Information Quality Framework..... | 57 |
| 3.1.1 Aim: Analysis, Evaluation, Management, and Education..... | 57 |
| 3.1.2 Context: Knowledge-intensive Processes..... | 59 |
| 3.2 Elements of the Framework | 65 |
| 3.2.1 Overview of the Framework and its Elements | 65 |
| 3.2.2 Levels of Information Quality | 66 |
| 3.2.3 Information Quality Criteria..... | 69 |
| 3.2.4 Steps in the Framework..... | 85 |
| 3.2.5 Information Quality Principles..... | 88 |
| 3.3 Application of the Framework | 178 |
| 3.3.1 Analyzing and Measuring Information Quality..... | 180 |
| 3.3.2 Improving and Managing Information Quality | 188 |
| 3.3.3 Teaching and Sustaining Information Quality..... | 200 |
| 3.4 Conclusion: Main Insights of the Framework..... | 208 |

| | |
|--|-----|
| 4. Information Quality Case Studies | 211 |
| 4.1 Overview of the Case Studies | 211 |
| 4.2 Activating Knowledge: The Added Value of Market Research Reports at IHA·GfK | 214 |
| 4.3 Compressing Knowledge: The Integration of Business Books at getAbstract | 231 |
| 4.4 Putting IT into Context: Gartner Advice and the Difficult Scaling of Knowledge | 247 |
| 4.5 Making Research Relevant: GiGA Information Group's IdeaBytes | 265 |
| 4.6 Communicating Quality: Guidelines and Quality Criteria at UBS Financial Services Group | 280 |
| 4.7 The Multiple Views on Country Risk Intelligence –Communicating Analyst Knowledge at the Economist Intelligence Unit | 291 |
| 4.8 Cross-case Insights | 309 |
| 4.9 Beyond Corporate Case Studies: Information Quality in e-Government. | 316 |
| 4.9.1 The Relevance of Information Quality for e-Government | 316 |
| 4.9.2 Defining Information Quality for Government to Citizens Relations | 319 |
| 4.9.3 Managing Information Quality in e-Government through Roles, Processes, Tools, and Training..... | 323 |
| 4.9.4 Constraints and Barriers for Information Quality Management in G2C Relations..... | 325 |
| 4.9.5 An e-Government Study: Italy's Ministry for Public Administration | 329 |
| 4.9.6 Conclusion: Extending IQ to e-Government..... | 334 |
| 5. Conclusion and Outlook | 337 |
| 5.1 Implications for Management..... | 338 |
| 5.2 Overall Conclusion | 347 |
| 5.3 Outlook: Moving beyond Data and Information Quality..... | 349 |
| Appendix | 359 |
| A. Information Quality Frameworks Survey | 359 |
| B. Other Information Quality Frameworks..... | 363 |
| C. Information Quality Glossary | 364 |
| D. Study Questions for the Information Quality Cases | 371 |
| E. Information Quality Assessment – A Self-Test for Information Providers and Knowledge Workers..... | 374 |
| References | 377 |
| Index..... | 395 |



<http://www.springer.com/978-3-540-31408-0>

Managing Information Quality
Increasing the Value of Information in
Knowledge-intensive Products and Processes
Eppler, M.J.
2006, XII, 398 p., Hardcover
ISBN: 978-3-540-31408-0