

Current XBRL State and Future Research Agenda

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Content

- Introduction
- Research Questions
- Research Method
- Findings What Do We Know?
- Future Research Agenda What do we need to know further about XBRL?

Introduction

- XBRL shift the paradigm from document-centric to data centric;
 - XBRL streamline, standardize, and make accounting practices more transparent;
 - XBRL has increasingly become the international standard for the exchange of business and financial information;
- XBRL has become more tightly woven into accounting practices;
- XBRL has contributed to a vibrant accounting research landscape.

Introduction (cont)

 This current research is an update of Perdana et al.'s (2015) research that centered on the contribution to information systems (IS) made by XBRL research

Research Questions

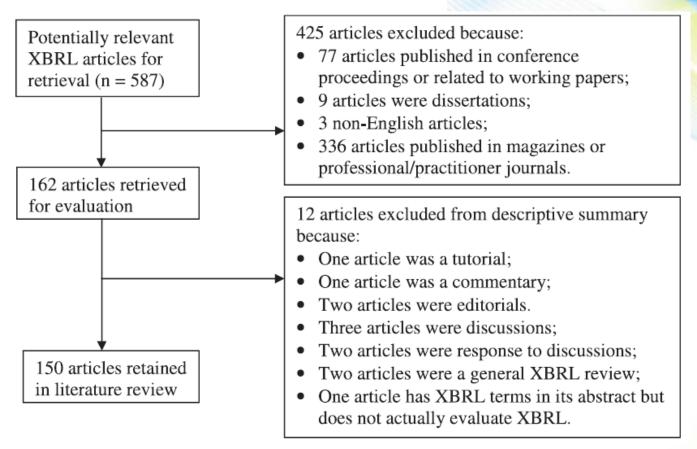
- Perdana et al's (2015) research question.
 - What patterns emerge in prior XBRL research and what can be learned from that research?
- Current research questions
 - What do we know about XBRL?
 - What do we need to know further about XBRL?

Research Method

Integrative literature review

- Article selection procedures (online library and Google Scholar);
- Classification schemes (research methodology and research topics);
- News collection from LexisNexis for additional analysis
 of a comparison between XBRL in academia and
 XBRL and XBRL in the media.
 - Relevant XBRL related news started to appear in 2000. We retained 1086 (of the 1750 search results) distinct news and discarded highly similar news.

Article Selection Procedures (Perdana et al. 2016)



- Article Selection Procedures (Updated work)
 - We collected an additional sample of 62 peer-reviewed XBRL articles. We added these additional studies to Perdana et al.'s (2015) review, thus giving a total of 212 peer-reviewed XBRL articles.

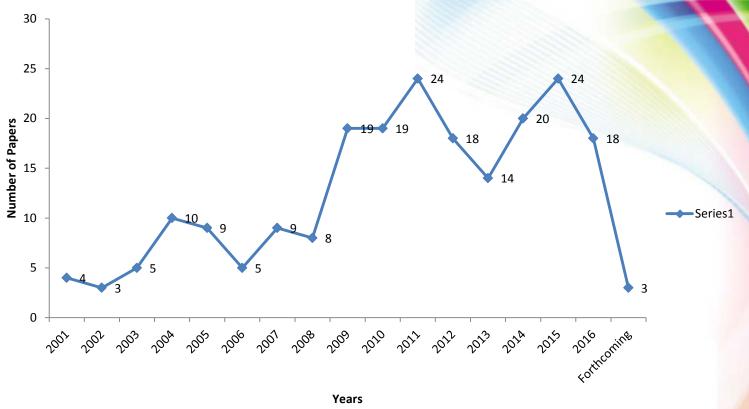
- Classification Scheme-Research Methodology
 - Case Study
 - Delphi Technique
 - Design Science
 - Experimental Research
 - Focus Group
 - Grounded Theory
 - Interview
 - Multimethod Approach
 - Secondary Data
 - Survey Research
 - Literature Review

Classification Scheme-Research Topic

TABLE 2 Classification Scheme of XBRL Research Themes

Research Theme	Coverage			
XBRL's Impact on Business	How XBRL should lead organizations to prepare, distribute, and use financial information effectively and efficiently.			
	The problems and benefits associated with XBRL implementations.			
	Investigate how XBRL facilitates financial information users being able to use the information to lead them to better-informed decisions.			
XBRL's Adoption	Investigate the drivers and inhibitors of XBRL adoption both at organizational and individual levels, as well as the characteristics of XBRL adopters.			
XBRL's Technical Development	Examine how XBRL should be technically developed to facilitate enterprise application integration and business processes.			
XBRL Education	Study and propose how to increase XBRL awareness among students, accountants, auditors, and financial information users.			





Time of Denovered Decouply Mathematica	Frequency of research theme				Total
Type of Paper and Research Method	ı	II	III	IV	Total
Conceptual Paper	38	6	20	2	66
Research Paper					
Case Study	6	9	2	0	17
Delphi Technique	1	1	0	0	2
Design Science	0	0	15	0	15
Experimental Research	9	1	0	2	12
Focus Group	0	1	0	0	1
Grounded Theory	0	1	0	0	1
Interview	2	8	0	0	10
Multimethod Approach	1	0	0	1	2
Quasi Experiment	0	1	0	1	2
Secondary Data	40	9	7	0	56
Survey Research	2	12	0	2	16
Literature Review	1	0	0	0	1
Teaching Notes	0	0	0	11	11
Total	100	49	44	19	212

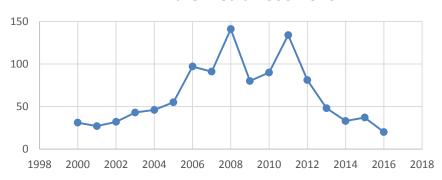
- We found greater numbers of research papers (52) than purely conceptual papers (10);
- There are an increased number of studies using secondary data and design science as their research methodology;
- XBRL research streams remain unchanged when compared to Perdana et al. (2015) review.

- More recent XBRL research seems to be mostly concerned with the empirical investigation of the impact of XBRL on business;
- Relative to XBRL's adoption, researchers seek to understand how XBRL-related information diffuses among stakeholders;
- Relative to XBRL's technical development, researchers proposed solutions to leverage XBRL-related documents and to help organizations to more readily produce XBRL-related documents.

- Issues related XBRL
 - Same mandate, different problems;
 - Data quality and taxonomy issues;
 - Data integration have not yet fully resolved;
 - XBRL semantic improvement.

Finding - Additional Analysis



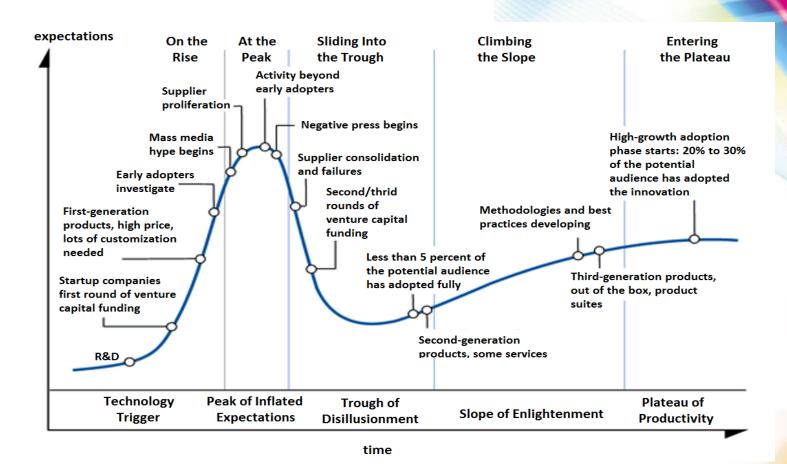


XBRL Academic Papers 2001-2016



Finding - Additional Analysis

Gartner Hype Curve



Future Research Agenda

- What Do We Need To Know Further About XBRL?
 - XBRL and Decision Making
 - Interactive Data Visualization
 - XBRL and Data Integration
 - Internal process, data aggregation, replacement of manual data, and automatically pulled data
 - XBRL and Structured Data
 - Facilitate business analytics or intelligence
 - XBRL and Textual Analysis
 - Increasing the semantic abilities of XBRL

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Thank You