

The first 25 papers

Building a body of knowledge

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Table of contents

Managing business processes for regulatory compliance	3
[18-03-2023 / day01] Whatever happened	3
[19-03-2023 / day02] The Italian connection	4
[20-03-2023 / day03] Literature (graph) database	4
[21-03-2024 / day04] Quick and dirty	4
[22-03-2023 / day05] VSCode online to the rescue	5
[23-03-2023 / day06] Foundational Books?	5
[24-03-2023 / day07] Literature Reviews	5
[25-03-2023 / day08] Methodologies	6
[29-03-2023 / day09] The GAP	6
[30-03-2023 / day10] Vlerick	6
[31-03-2023 / day11] Mieke Jans	6
[31-03-2023 / day12] Matthias Trier	7
[31-03-2023 / day13] Monique Snoeck	7
[01-04-2023 / day14] Geert Poels	7
[02-04-2023 / day15] Michael Werner	7
[04-04-2023 / day16] Jan Recker	8
[06-04-2023 / day17] Jan Mendling	8
Most Relevant Authors & Sources	9
Works Cited	12

Authors 15

Keywords: modelling languages, controlled natural language, extentions, compliance, MDE

Extract keywords from BOK and create wordcloud. Determine cut-off point for number of keywords in the header of this article.

I will have the initial 100 articles within 1 month (so on 21 April). Base myself on NIMS and NEAT. Approach from different angels:

- Accounting, Rulebase, ERP, Compliance (Risk Management)
- Enterprise Achitecture

“L^AT_EX uses the T_EX typesetting program for formatting its output, and is itself written in the T_EX macro language.

Right at the start I have to mention *Wendbaar wetgeven: de wetgever als systeembeheerder* (2018). The thesis of Mariette Lokin that was the inspiration for this thesis. Her research is about the interaction between law, execution and ICT. “The goal of the performed PhD-research was to develop an approach for agile law making, not only aiming at legislation as a product, but also as a process” (lokinAgileLawMaking2020).

Managing business processes for regulatory compliance

10-03-2023 First step: find three seminal papers published in A star journals in my field of interest Document search terms for repeatability. Method: check google scholar for highest rating article of 10(?) academics that I know off.

Going through my Zotero article listings I came across an article by vom Brocke and 9 co-authors: (vom Brocke et al. 2021). The article references the Process Mining Manifesto (**authority:vanderaalstProcessMiningManifesto2012?**). Based on the title and year of publication the latter may well qualify as a seminal paper. The number of listed authors is over 60. It was published as a conference paper on the The number of reference according to google scholar per is xxx. It was published in yyy. Wil van der Aalst is an academic presently associated with Aachen University who, at the time of the publication worked at Eindhoven University previously used to b

Wil van der Aalst (h score)

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[18-03-2023 / day01] Whatever happened

Whatever happened to the 60 authors ...

Continuation of: “Whatever happened to the class of 2021” (Process Mining Manifesto)

[19-03-2023 / day02] The Italian connection

Guido Governatori is an Italian who completed his PhD in Legal Informatics in 1997. Since he moved to Queensland University of Technology in Australia.

One of his papers with Sadiq is about checking between business processes and business contracts (Governatori, Milosevic, and Sadiq 2006) - 366 citations on Google Scholar. Sadiq and Governatori also wrote together about modelling controls objectives for business process compliance (Sadiq, Governatori, and Namiri 2007) - 615 citations.

Guido Governatori and Shazia Sadiq then wrote (Sadiq and Governatori 2010) together - 148 citations.

Governatori and Sadiq often appear as co-authors on papers (query string WoS and query result count). Was Lu a PhD student with Governatori?

[20-03-2023 / day03] Literature (graph) database

Two ideas that I will have to explore further:

- Building a small application to maintain a graph database (outside Zotero) for linking articles. Also see [Build a Blog Using Django, Vue and GraphQL](#)
- Building ‘something’ to discover a literature gap. Also see [Constructing a Graph Database for Semantic Literature-Based Discovery](#)

In any case scan all bibliometrics packages on GitHub [bibliometrics](#), for example [LitStudy](#) from the NL escience institute in Amsterdam.

The purpose of the first will be to facilitate interaction with the literature. For example, easily being able to extract research methods or dataset descriptions. Ref. article abstract template that was sent to me by Imre.

[21-03-2024 / day04] Quick and dirty

In a recent paper (2021) vom Brocke, van der Aalst and 8 co-authors propose Process science as a separate discipline [Process Science: The Interdisciplinary Study of Continuous Change](#)

Maybe add BPMN Extensions:

- BPMN-L: A BPMN extension for modeling of process landscapes (Polančič 2020) - **7** citations. The paper is by Gregor Polančič whose [blog](#) I follow.
- BPMS-RA: a novel reference architecture for business process management systems (Pourmirza et al. 2019) - **13** citations.

- BPMN extension for Risk Handling (Marcinkowski and Kuciapski 2012) - **44** citations.

[22-03-2023 / day05] VSCode online ~~to the rescue~~

- A Controlled Natural Language for Financial Services Compliance Checking (Azzopardi, Colombo, and Pace 2018) - **7** citations. Seems to be right on my subject but only (very) few citations. The abbreviation for Controlled Natural Language is CNL
- El Kharbili - 2012 - Business process regulatory compliance management (El Kharbili 2012) **96** citations. Affiliation University of Luxemburg
- Separating compliance management and business process management (Ramezani et al. 2011) - **59** citations, written by Dirk Fahland, Elham Ramezani, Jan Martijn van der Werf and Peter Mattheis.

[23-03-2023 / day06] Foundational Books?

💡 [Mathias Weske, Universität Potsdam](#)

Business process management architectures (Weske 2007) - **4775** citations

💡 [Marlon Dumas, University of Tartu](#)

Fundamentals of business process management (Dumas et al. 2013) - **3391** citations

Process Mining: a research agenda by [Van der Aalst](#) and Weijters (2004:863)

And now: Process Science (vom Brocke et al. 2021)

[24-03-2023 / day07] Literature Reviews

Samples of literature reviews (and what I think about them)

- Business Process Management and Digital Innovations: A Systematic Literature Review (Ahmad and Van Looy 2020) (SLR) by Amy Van Looy and Tahir Ahmad
- (Moreno-Montes de Oca et al. 2015) now lives and works in Cuba?

[25-03-2023 / day08] Methodologies

Now add three articles where I write about the (research) methodology used.

- (Häußler, Esser, and Borrmann 2021) not about methodology but interesting model interaction BIM, XBRL,

[29-03-2023 / day09] The GAP

Articles mentioning GAP's:

- This is about modelling concepts for internal controls (BPMN extension)(Schultz and Radloff 2014) - ?? citations

Stijn Hoppenbrouwers (HAN)

Thesis: (Hoppenbrouwers 2003)

Hajo Reijers Utrecht University in an article about the role of blockchain (Mendling et al. 2018). Note: there are 32(!) authors listed in this paper.

[30-03-2023 / day10] Vlerick

Three inspiring papers by Stijn Viaene

- Ten principles of (vom Brocke et al. 2014) - **405** citations. This paper was co-authored with vom Brocke University of Liechtenstein

Three inspiring papers by [Amy Van Looy](#)¹

- BPO Configuration Taxonomy (Van Looy, Clarysse, and Trkman 2021)

Ook beschrijven waarom inspiring ...

- Design science research on Developing a tool for process-oriented appraisals and rewards (Shafagatova and Van Looy 2021) written with Aygun Shafagatova who obtained her PhD in 2021 and is currently with EY in Gent.

[31-03-2023 / day11] Mieke Jans²

Continuous auditing(Jans and Hosseinpour 2019) - **38** citations.

¹Ghent University: Ghent, BE

²Universiteit Hasselt: Hasselt, Limburg, BE

[31-03-2023 / day12] Matthias Trier

Bij alle professors ook een linkje naar hun scopus profiel (met logo)

Matthias Trief

Visiting researcher, Copenhagen Business School, Department of Digitalization

[31-03-2023 / day13] Monique Snoeck³

Monique Snoeck

Wim Laurier (person having experience with Merode)

(linked met Stijn)

Jochen De Weerd (co-author of Monique Snoeck)

h-index(all): 32

Amy Van Looy, with Isel Moreno-Montes de Oca who is currently Professor in Cuba (Moreno-Montes de Oca et al. 2015)

Dijkman TUE

Proper, H. A <https://www.springer.com/series/8371/books?page=2>

[01-04-2023 / day14] Geert Poels⁴

4644 citations

[02-04-2023 / day15] Michael Werner⁵

Person(s) with SAP access

Michael Werner

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See Figure 1 for most cited authors.

See Figure 2 for most cited sources.

³KU Leuven: Leuven, BE

⁴Universiteit Gent: Gent, BE

⁵Universiteit van Amsterdam: Amsterdam, NL

[04-04-2023 / day16] Jan Recker

Jan Recker

[06-04-2023 / day17] Jan Mendling

Building a complementary agenda for business process management and digital innovation.
(Mendling, Pentland, and Recker 2020) - 101 citations.

Also (Mendling, Pentland, and Recker 2020).

Most Relevant Authors & Sources

concept

Authors	Articles	Articles Fractionalized
MENDLING J	5	0.80
DUMAS M	3	0.36
GOVERNATORI G	3	1.17
SADIQ S	3	1.17
DUSTDAR S	2	0.11
FAHLAND D	2	0.26
LA ROSA M	2	0.26
RECKER J	2	0.27
VAN DER AALST W	2	0.11
VAN LOOY A	2	0.83
VOM BROCKE J	2	0.27
A REIJERS H	1	0.25
AALST WVD	1	0.10
ADRIANSYAH A	1	0.01
AHMAD T	1	0.50
ARCIERI F	1	0.01
AZZOPARDI S	1	0.33
BAIER T	1	0.01
BENMERZOUG D	1	0.25
BLICKLE T	1	0.01
BORRMANN	1	0.33
BOSE JC	1	0.01
BRANDTJEN R	1	0.01
BROCKE JV	1	0.10
BUIJS J	1	0.01

Figure 1: Most relevant authors

Sources	Articles
BUSINESS PROCESS MANAGEMENT JOURNAL	2
INTERNATIONAL CONFERENCE ON BUSINESS PROCESS MANAGEMENT	2
2006 10TH IEEE INTERNATIONAL ENTERPRISE DISTRIBUTED OBJECT COMPUTING CONFERENCE (EDOC'06)	1
ACM TRANSACTIONS ON INTERNET TECHNOLOGY (TOIT)	1
ACM TRANSACTIONS ON MANAGEMENT INFORMATION SYSTEMS (TMIS)	1
AUTOMATION IN CONSTRUCTION	1
BUSINESS PROCESS MANAGEMENT	1
BUSINESS PROCESS MANAGEMENT WORKSHOPS PT I	1
BUSINESS PROCESS MANAGEMENT: CONCEPTS LANGUAGES, ARCHITECTURES	1
BUSINESS \& INFORMATION SYSTEMS ENGINEERING	1
COMPUTER INFORMATION SYSTEMS AND INDUSTRIAL MANAGEMENT	1
COMPUTERS IN INDUSTRY	1
CONTROLLED NATURAL LANGUAGE (CNL 2018)	1
EUROPEAN JOURNAL OF INFORMATION SYSTEMS	1
HANDBOOK ON BUSINESS PROCESS MANAGEMENT 2	1
INFORMATION AND SOFTWARE TECHNOLOGY	1
INTERNATIONAL JOURNAL OF ACCOUNTING INFORMATION SYSTEMS	1
JOURNAL OF SOFTWARE: EVOLUTION AND PROCESS	1
MIS QUARTERLY	1
PROCEEDINGS OF THE EIGHTH ASIA-PACIFIC CONFERENCE ON CONCEPTUAL MODELLING-VOLUME 130	1
SUSTAINABILITY	1

Figure 2: Most relevant sources

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Index

BPMN, [6](#)


CNL, [5](#)


Landscapes, [4](#)

SLR, [5](#)


XBRL, [6](#)

Authors

Aalst, Wil van der , 4

Ahmad, Tahir , 5


Brocke, Jan Vom , 4, 6


De Weerdt, Jochen , 7

Dijkman, Remco , 7

Dumas, Marlon , 5


El Kharbili, Marwane, 5

Fahland, Dirk , 5

Governatori, Guido , 4

Hoppenbrouwers, Stijn , 6


Jans, Mieke , 6


Laurier, Wim , 7

Lokin, Mariette , 3

Looy, Amy Van , 6, 7

Mattheis, Peter, 5


Mendling, Jan , 8

Moreno-Montes de Oca, Isel , 7


Poels, Geert , 7

Polančič, Gregor , 4


Ramezani, Elham, 5


Recker, Jan , 8


Sadiq, Shazia , 4

Shafagatova, Aygun , 6


Snoeck, Monique , 7

Trier, Matthias , 7

Viaene, Stijn , 6

Werf, Jan Martijn van der , 5

Werner, Michael , 7

Weske, Mathias , 5