



#### Motivation

**Research Questions** 

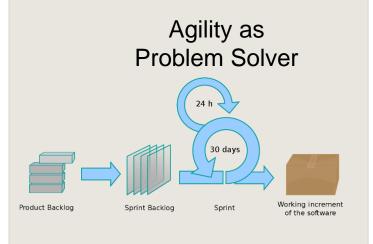
Research Approach

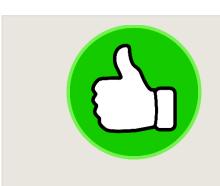
#### Motivation

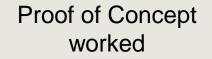








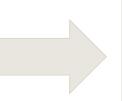






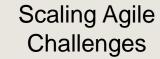














## Most common challenges found in literature



P1

Finding new stakeholders in large-scale agile project besides developers, scrum masters and product owners

P2

Stakeholders face new challenges during their new development process



Holistic overview of challenges in large-scale agile projects are not present



Distributed over multiple papers



Challenges are not stakeholder specific





Motivation

#### **Research Questions**

Research Approach

Research Roadmap

Schedule

#### Research Questions



addresses

RQ1

Which stakeholders exist in largescale agile projects?

P1

Finding new stakeholders in large-scale agile project besides developers, scrum masters and product owners

RQ2

What are project- or stakeholder specific challenges/concerns?

P2

Stakeholders face new challenges during their new development process

RQ3

How can the challenges be categorized?

P3

Holistic overview of challenges in large-scale agile projects are not present (no stakeholder spec. overview & distributed)



## Big picture





Development of a concept for large-scale agile best practices

**Deliverable:** Concept for the SAPC 2019



Literature Review

ASAP Workshops

Case Studies

#### 3. EVALUATION

Evaluating the SAPC 2019 concept with expert interviews

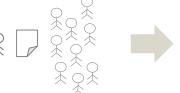
**Deliverable:** Evaluation of the SAPC 2019 concept



#### **5. PUBLICATION**

Analysis of the survey results and publication of the SAPC

Deliverable: Final SAPC 2019 Report





#### 2. DATA COLLECTION

Collection of existing practical knowledge of large-scale agile challenges and practices

**Deliverable:** Challenges and Pattern candidates

#### 4. MAIN STUDY

Online survey on the usage of large-scale agile patterns in practice

**Deliverable:** Large-scale agile pattern usage in practice



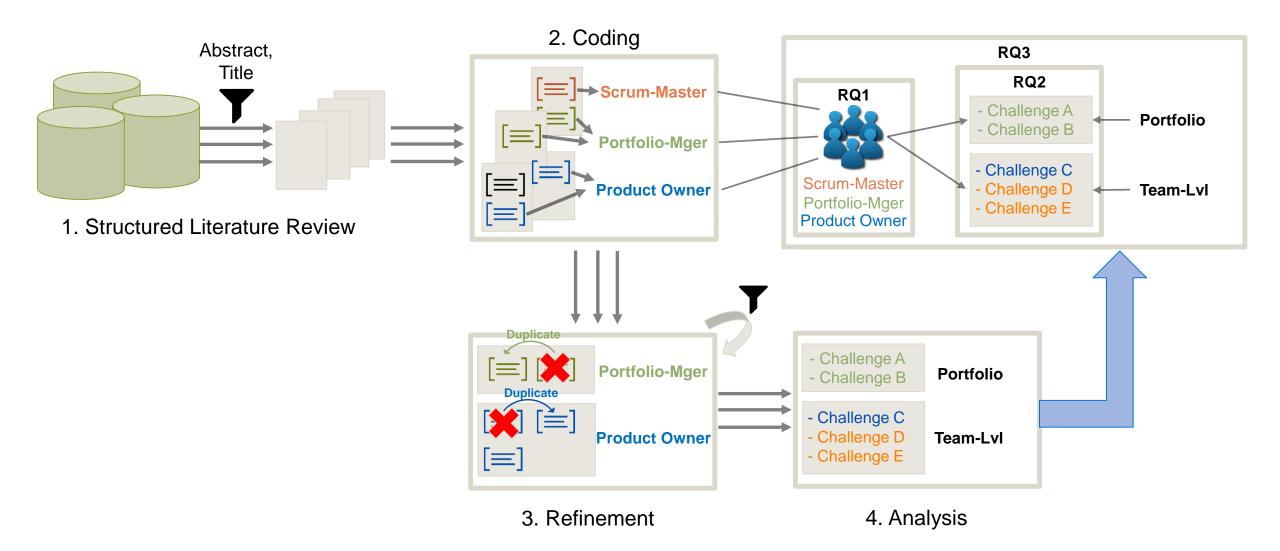
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**Research Questions** 

Research Approach

### Research Approach





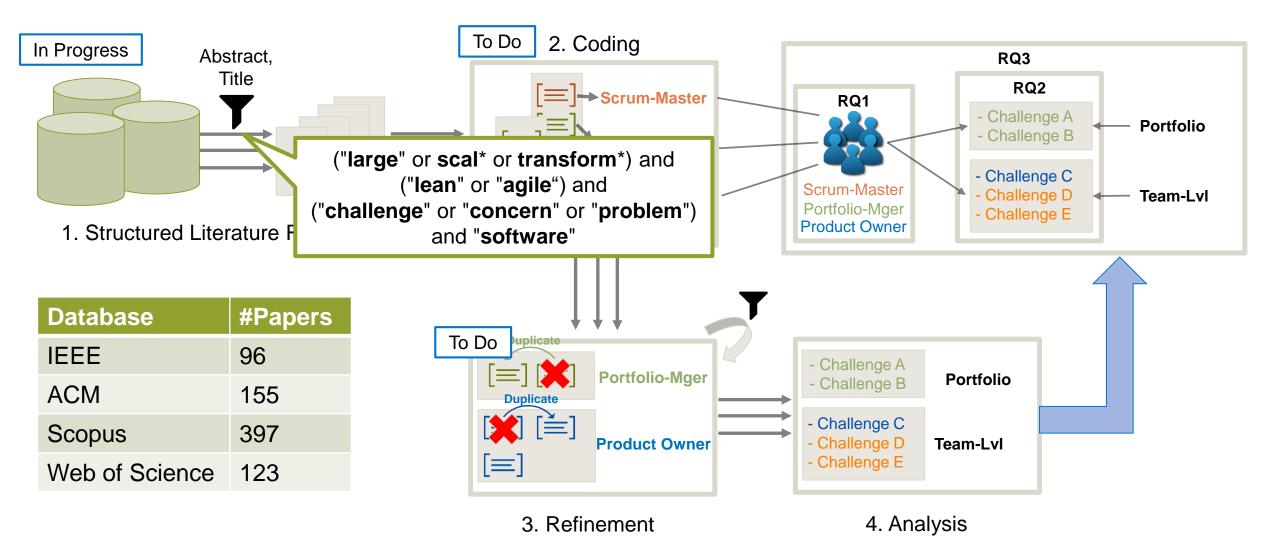


Motivation

**Research Questions** 

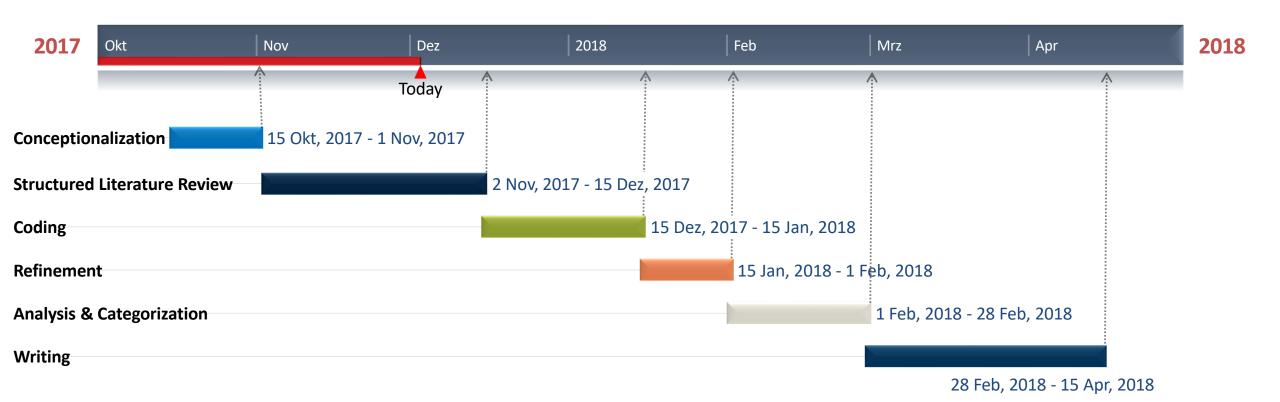
Research Approach





## Research Approach

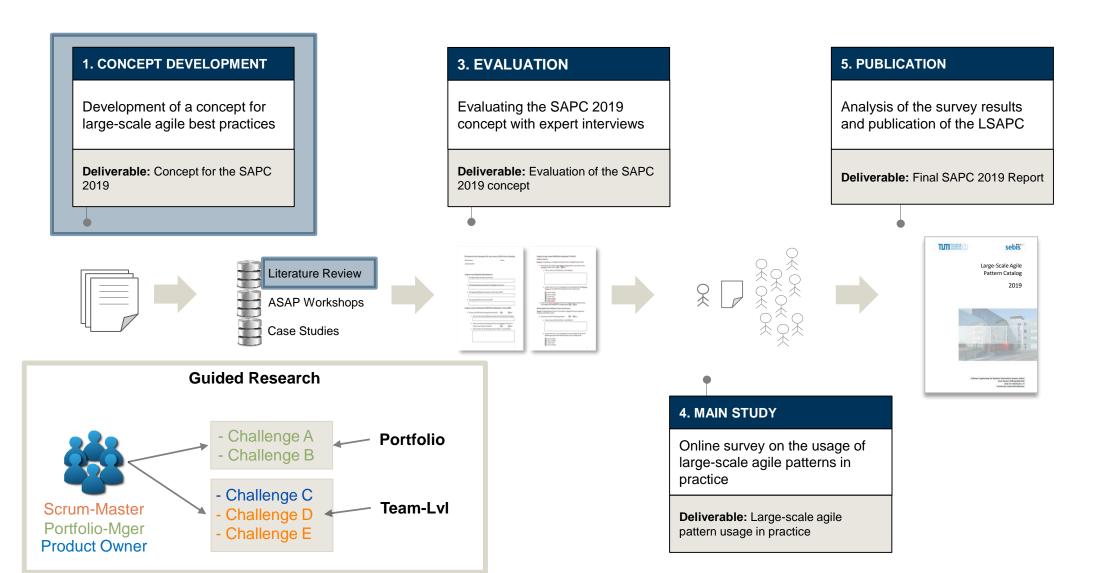




GR Caprano - Identifying and Structuring Large-Scale Agile Challenges

## Summary





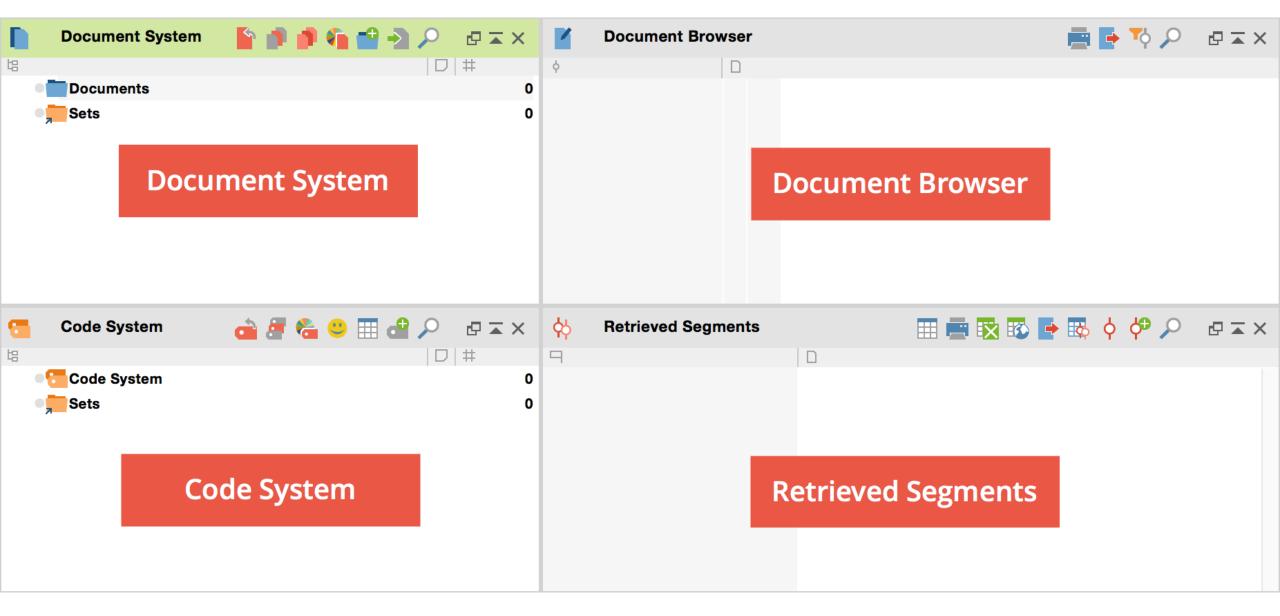


# Backup



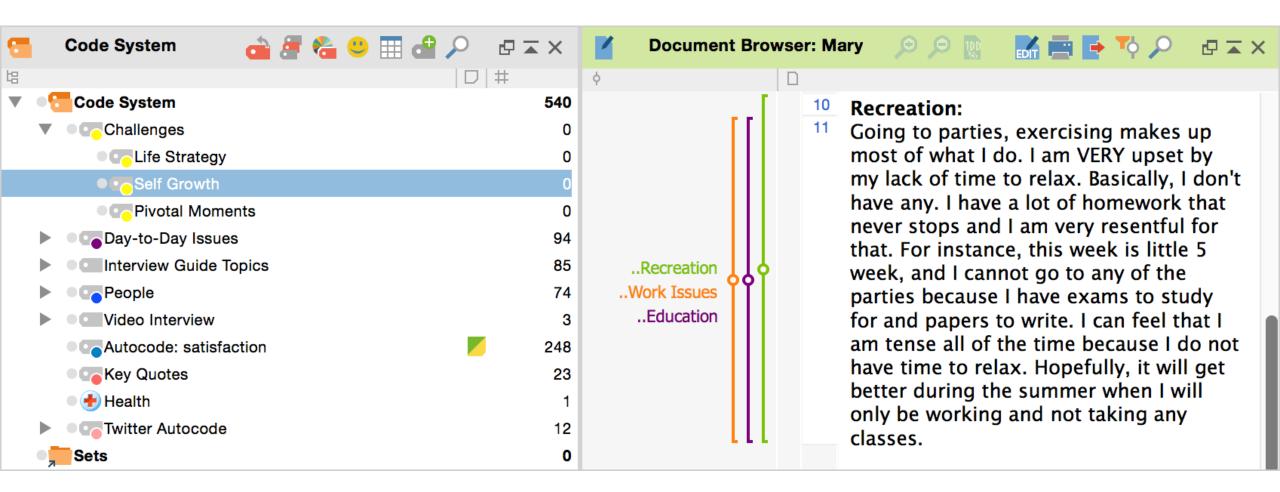
## Backup: MAXQDA (1)





### Backup: MAXQDA (2)





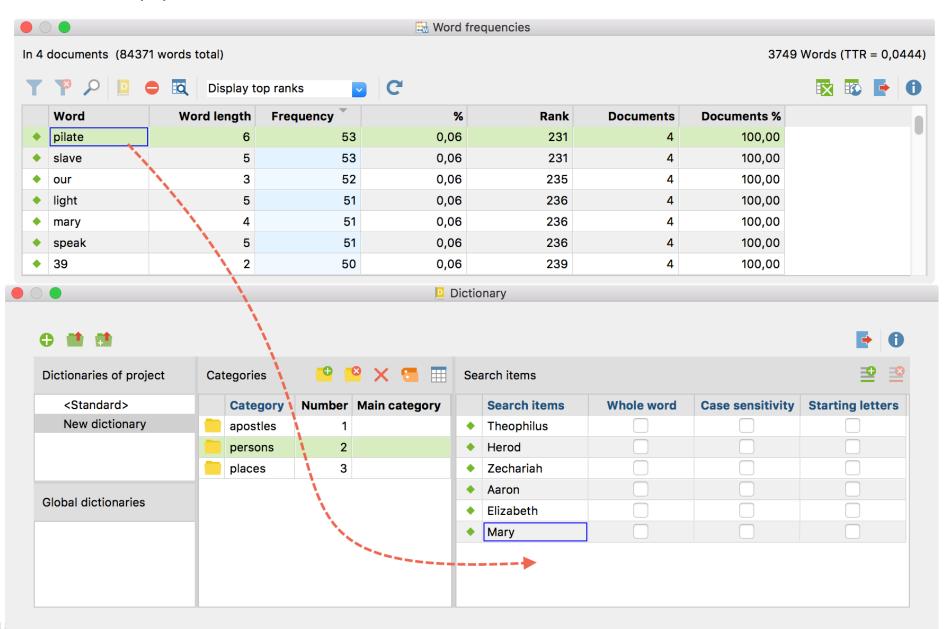
# Backup: MAXQDA (3)



● ○ ● Word frequencies										
In 4 documents (33189 words total) 3650 Words (TTR = 0,1100										
T P D Display to			o ranks C							
	Word	Word length	Frequency	%	Rank	Documents	Documents %			
•	jesus	5	641	1,93	1	4	100,00			
•	son	3	315	0,95	2	4	100,00			
•	father	6	292	0,88	3	4	100,00			
•	man	3	279	0,84	4	4	100,00			
•	disciples	9	214	0,64	5	4	100,00			
•	lord	4	196	0,59	6	4	100,00			
•	people	6	6 136		0,41 7		100,00			
•	john	4	129	0,39	8	4	100,00			
•	kingdom	7	123	0,37	9	4	100,00			
•	house	5	112	0,34	10	10 4				
•	crowd 5		101	0,30	11	4	100,00			

## Backup: MAXQDA (4)





GR Caprano - Identifying and

# Backup: Database



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# Backup: Database (2)



~-	l <b></b>					
	CHL-36	Rewarding model not teamwork centric		CAT-7		SRC-1
38	CHL-37	Knowledge sharing and improvement	Whe	CAT-8		SRC-7
39	CHL-38	Agile contracts	How	CAT-3		SRC-7
40	CHL-39	Cognitive Biases (not special for big projects)	How	CAT-13		SRC-17
41	CHL-40	Agile Product Line Management	Prod	CAT-9		SRC-18
42	CHL-41	Copying with the cooperate culture			STK-5	SRC-19
43	CHL-42	People see themselves as individual contributors with individual goals> difficult to rally around a share	d tea	am vision	STK-5	SRC-19
44	CHL-43	Matrixed teams> Multiple teams and reporting issues	E.g. t	the QA team r	STK-5	SRC-19
45	CHL-44	Finding the role in the Agile Process of a non Developer/PO/SM			STK-5	SRC-19
46	CHL-45	How to do requirements documentation (lightweight) in Agile?			STK-5	SRC-19
47	CHL-46	Model possible solutions with client	In th	e past, there v	STK-5	SRC-19
48	CHL-47	Disparate tools across projects hinder Governance	E.g Ji	ira, Rally, RTC,	STK-6	SRC-20
49	CHL-48	Splitting user-stories with cross-cutting concerns		CAT-6	STK-7	SRC-21
50	CHL-49	Handling agile requirements engineering in agile projects (in the light of aspect-orientated RE thinking or	r in g	CAT-6	STK-7	SRC-21
51	CHL-50	Requirements are not fully understood	Possi	i CAT-6	STK-7	SRC-21
52	CHL-51	Handling results of dependencies in requirements		CAT-6	STK-7	SRC-22
53	CHL-51	Handling results of dependencies in requirements		CAT-6	STK-8	SRC-22
54	CHL-52	Department not beeing proactive to changes				SRC-22
55	CHL-53	Department not beeing reactive to changes				SRC-22
56	CHL-54	Lack of inter-team/inter-appartment communication		CAT-15		SRC-22
57	CHL-47		E.g Ji	g Jira, Rally, RTC, STK-9 SRC-22		
4	<b>▶</b> Que	ellen Stakeholder <b>Challenges</b> Patterns Lack of Research Kategorien Iterationen Bearbeit	. (+		<u> </u>	