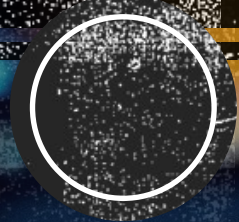




FORWARDS A MAJOR COMPREHENSIVE TUNING MODEL IN PROJECT MANAGEMENT



INTRODUCTION

Remco van der Schoot

- 23 years old, based in IJsselstein, Netherlands

Education

- Bachelor's degree in Safety and Security Management
- Master's degree in Project Management

Prominent achievement

- 3rd at the IPMA International Project Management Championship 2023



INTRODUCTION



Research



INTRODUCTION



Complexity

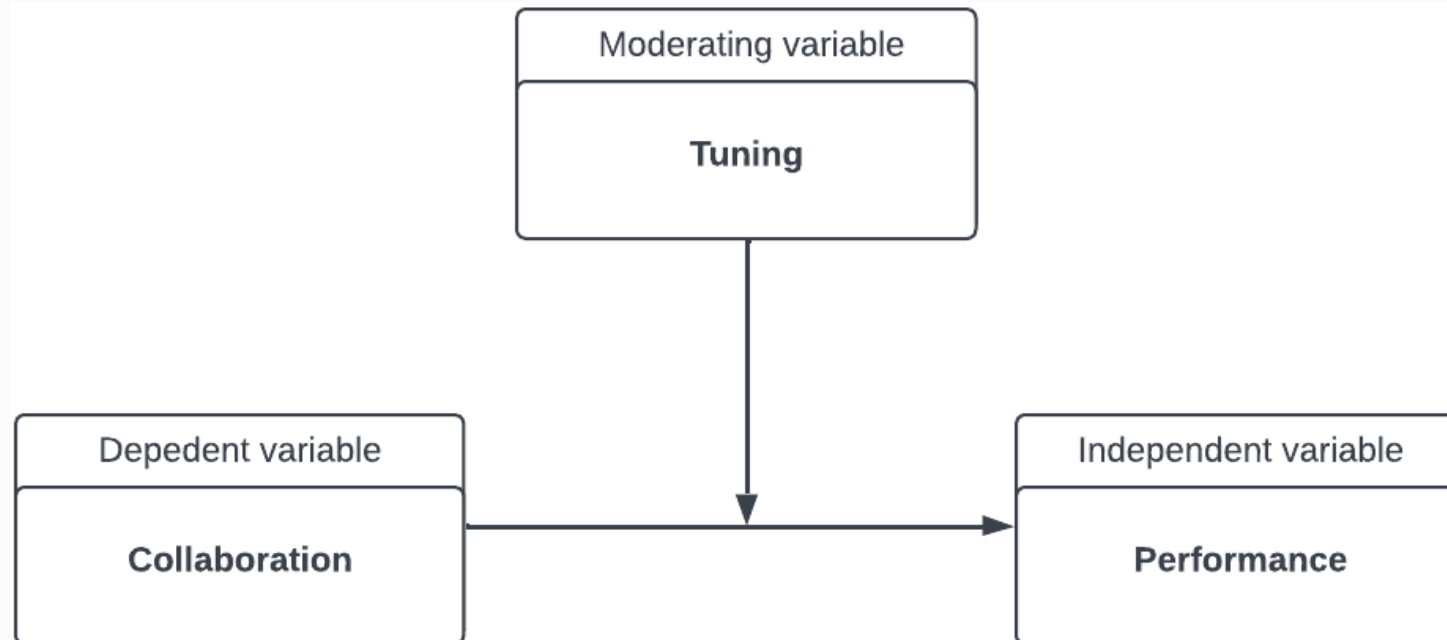


Research



RESEARCH GOAL

- Develop a more comprehensive tuning model for project management by creating and testing a novel tuning model.
 - A tool that enables project managers and organizations to effectively enhance tuning within their projects or organizations.





DEFINITION OF TUNING

"The ability to align the different business units, processes, and employees that are interdependent and jointly responsible for value creation, without unnecessarily compromising flexibility and autonomy."

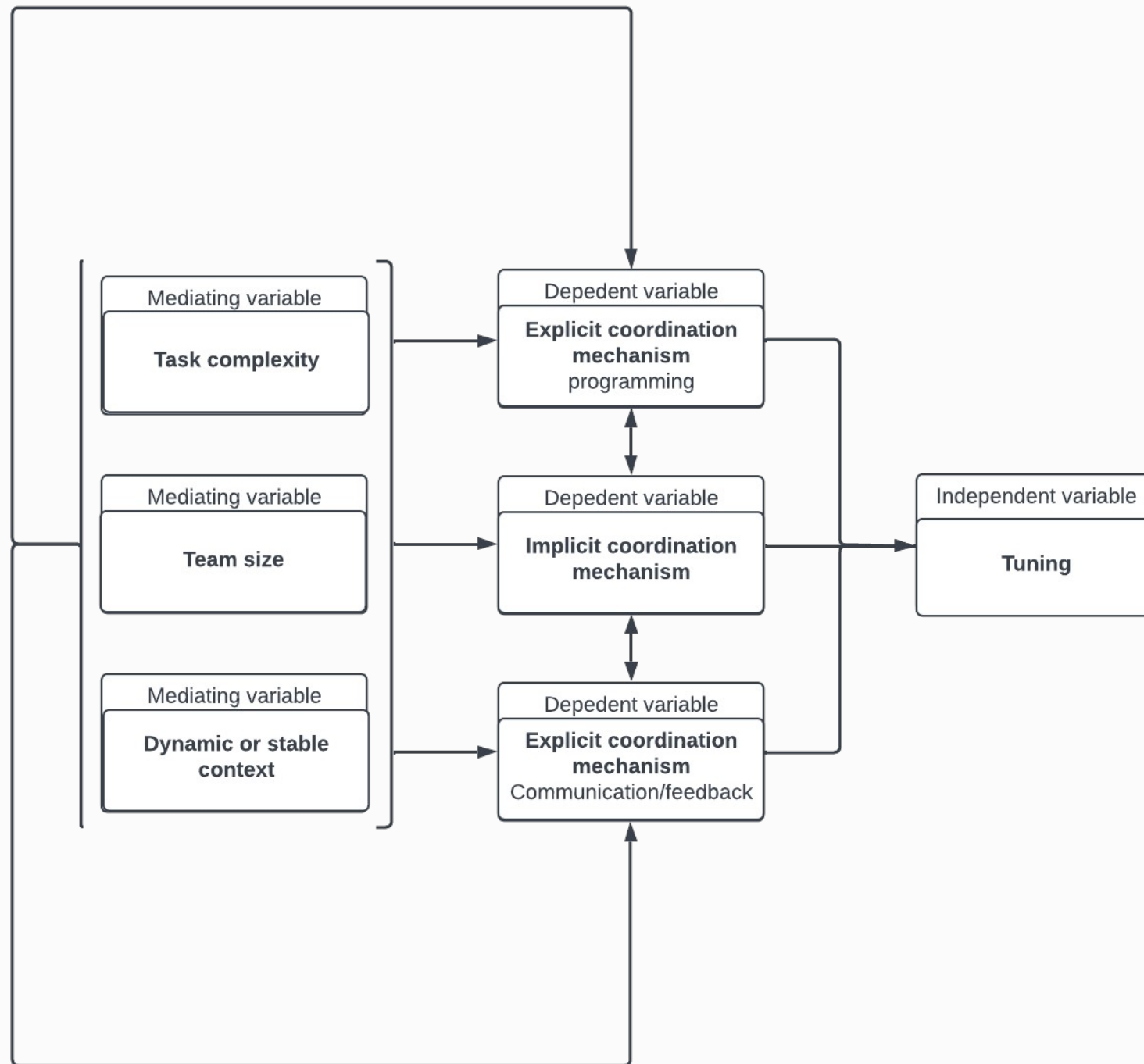


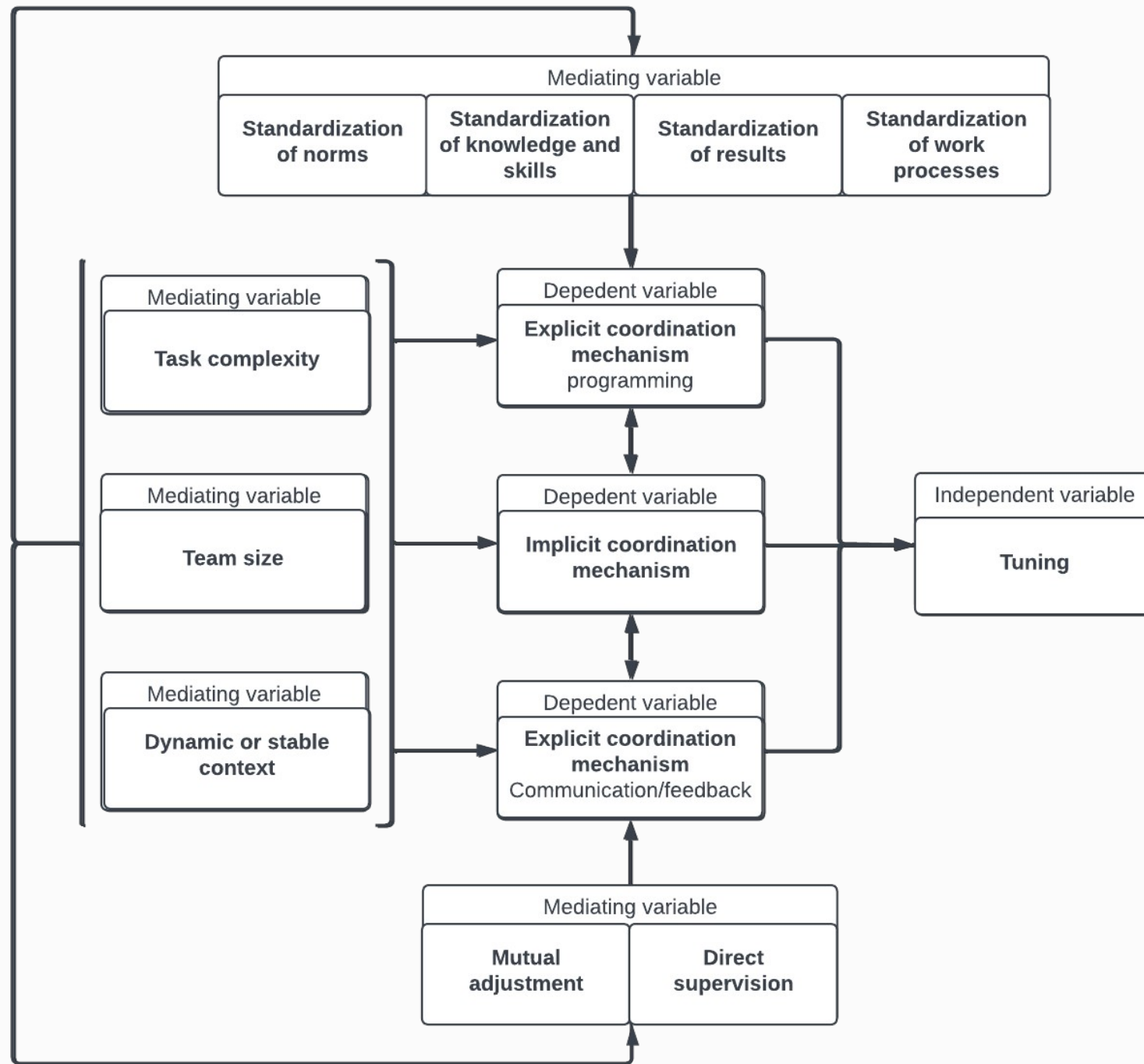


TUNING MODEL

- Based on:
 - Espinosa, Lerch, and Kraut's (2004) 'integrated Framework of team coordination and performance'
 - Mintzberg's (1991; 1992) theories of 'organizational structures'





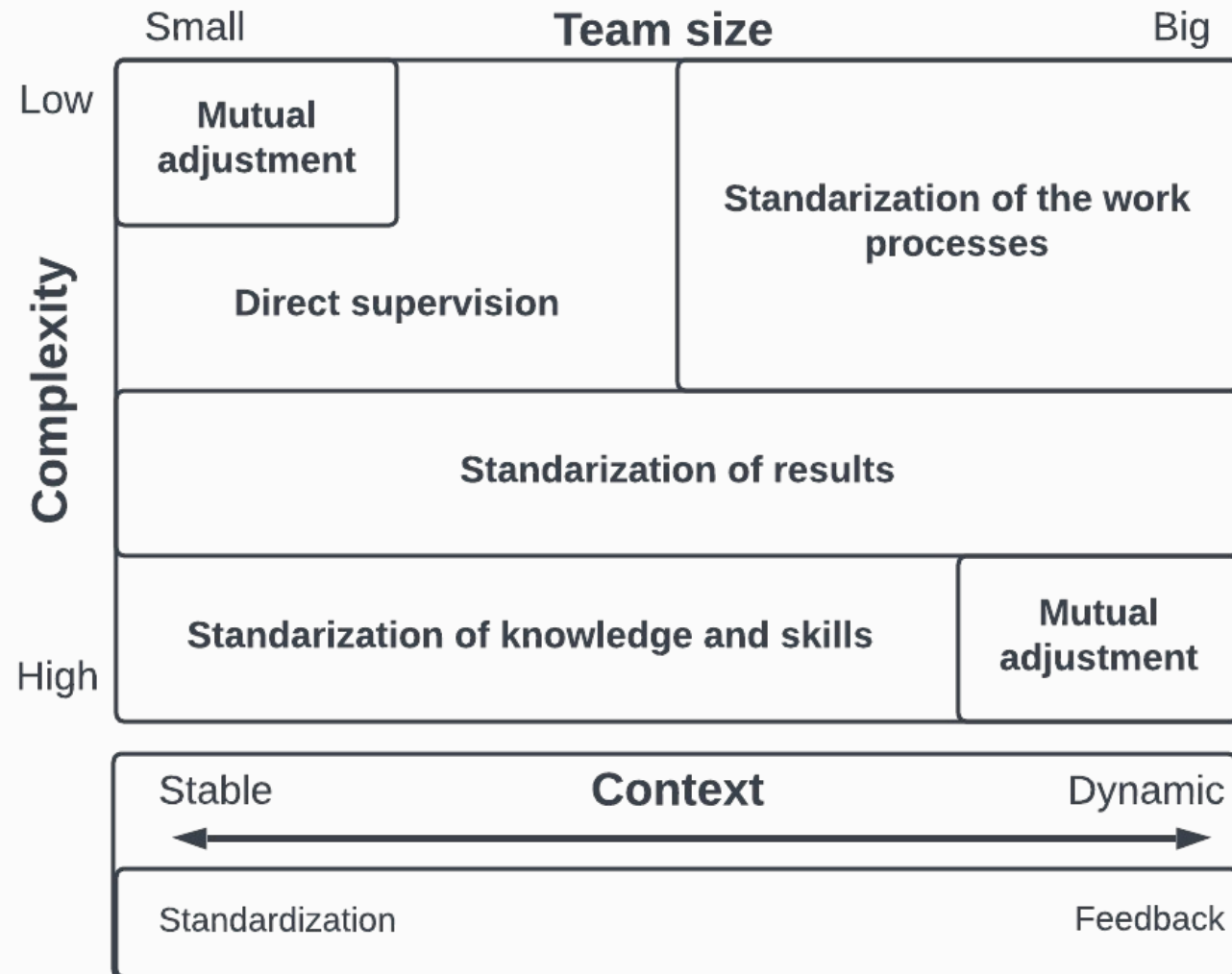


EFFECTIVITY-MATRIX

		Team size	
		Small	Big
Complexity	Low	Mutual adjustment	Standardization of the work processes
		Direct supervision	
		Standardization of results	
	High	Standardization of knowledge and skills	Mutual adjustment

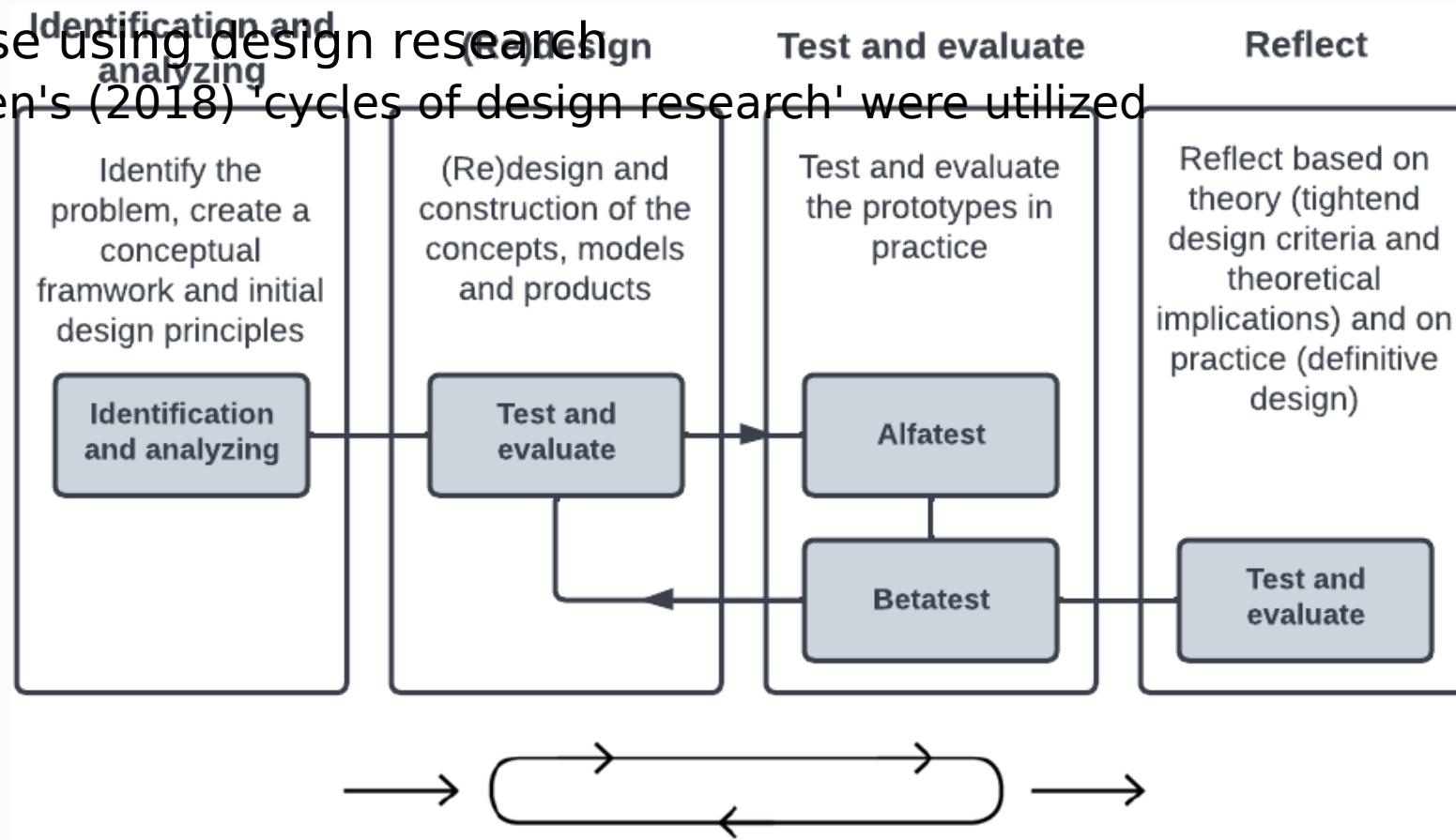


EFFECTIVITY-MATRIX

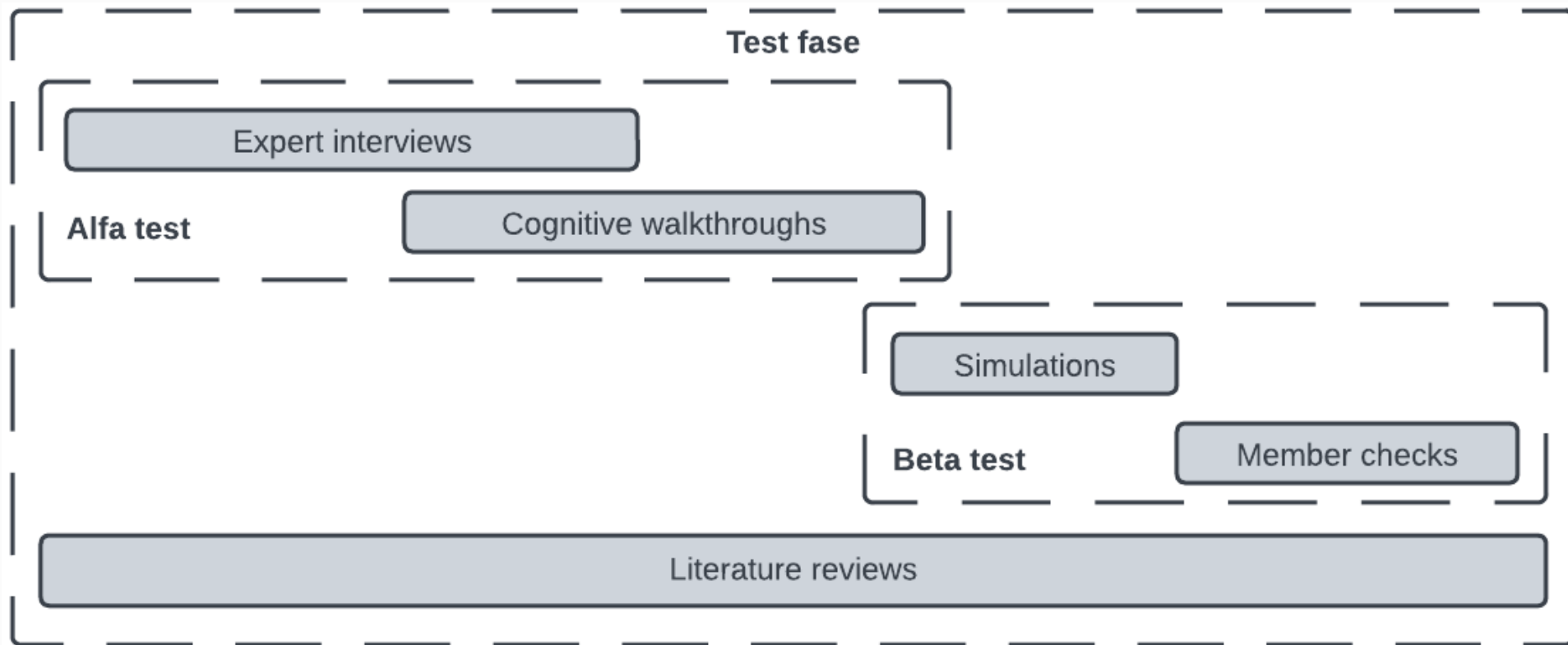


METHODS

- Test case using design research
 - Heijnen's (2018) 'cycles of design research' were utilized



METHODS



METHODS

<i>Research methods</i>	Identification and analyzing	(Re)design	Test and evaluation	Reflection
<i>Literature</i>	X	X	X	
<i>Individual interviews</i>	X	X	X	
<i>Group Interviews</i>	X	X		
<i>Member checks</i>	X	X	X	X
<i>Observations</i>	X	X		
<i>Cognitive walkthroughs</i>			X	
<i>Simulations</i>			X	

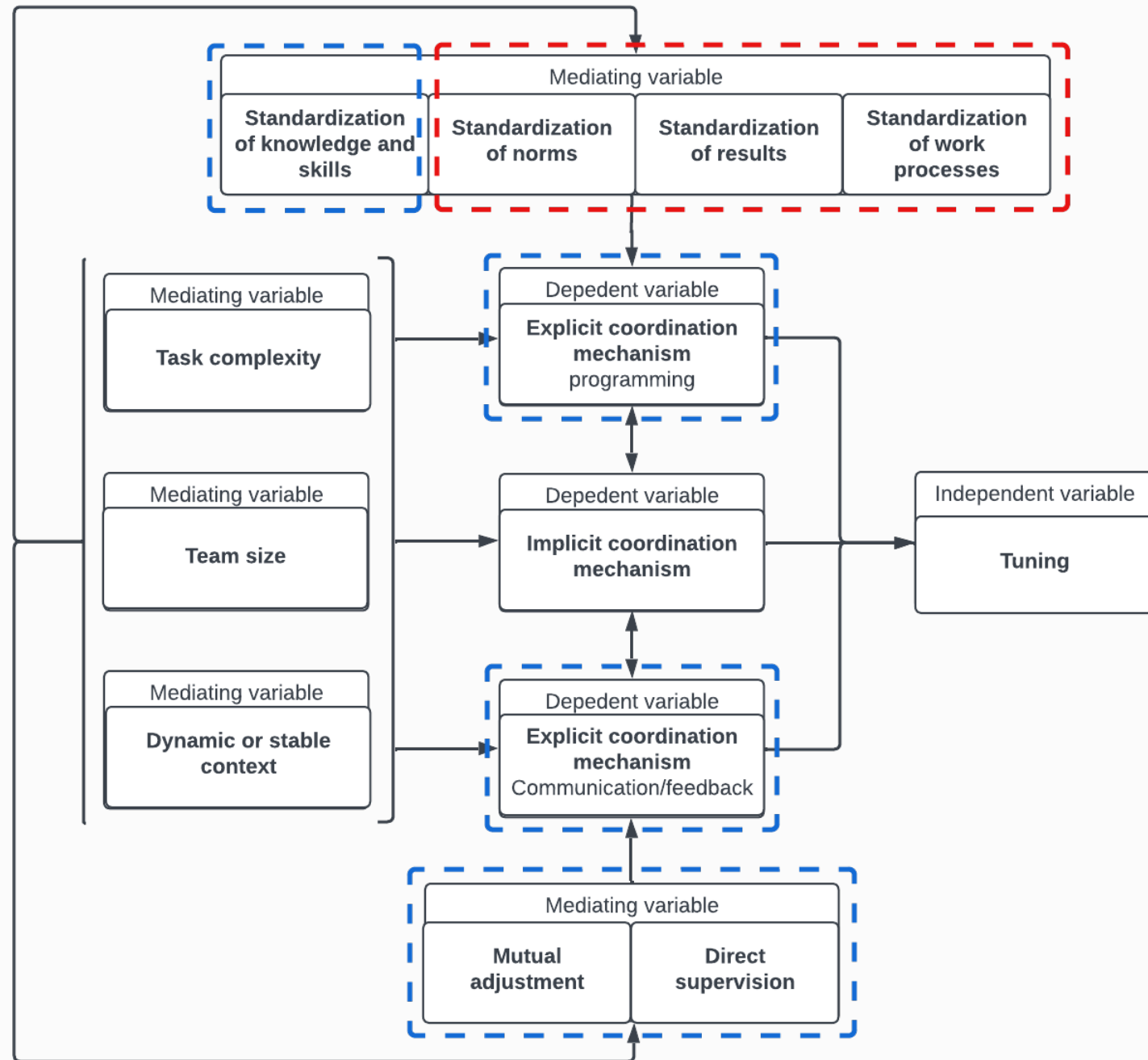




FINDINGS & CONCLUSION

- The tuning model;
 - Offered significant insight into which coordination mechanisms and strategies were utilized within the test case.



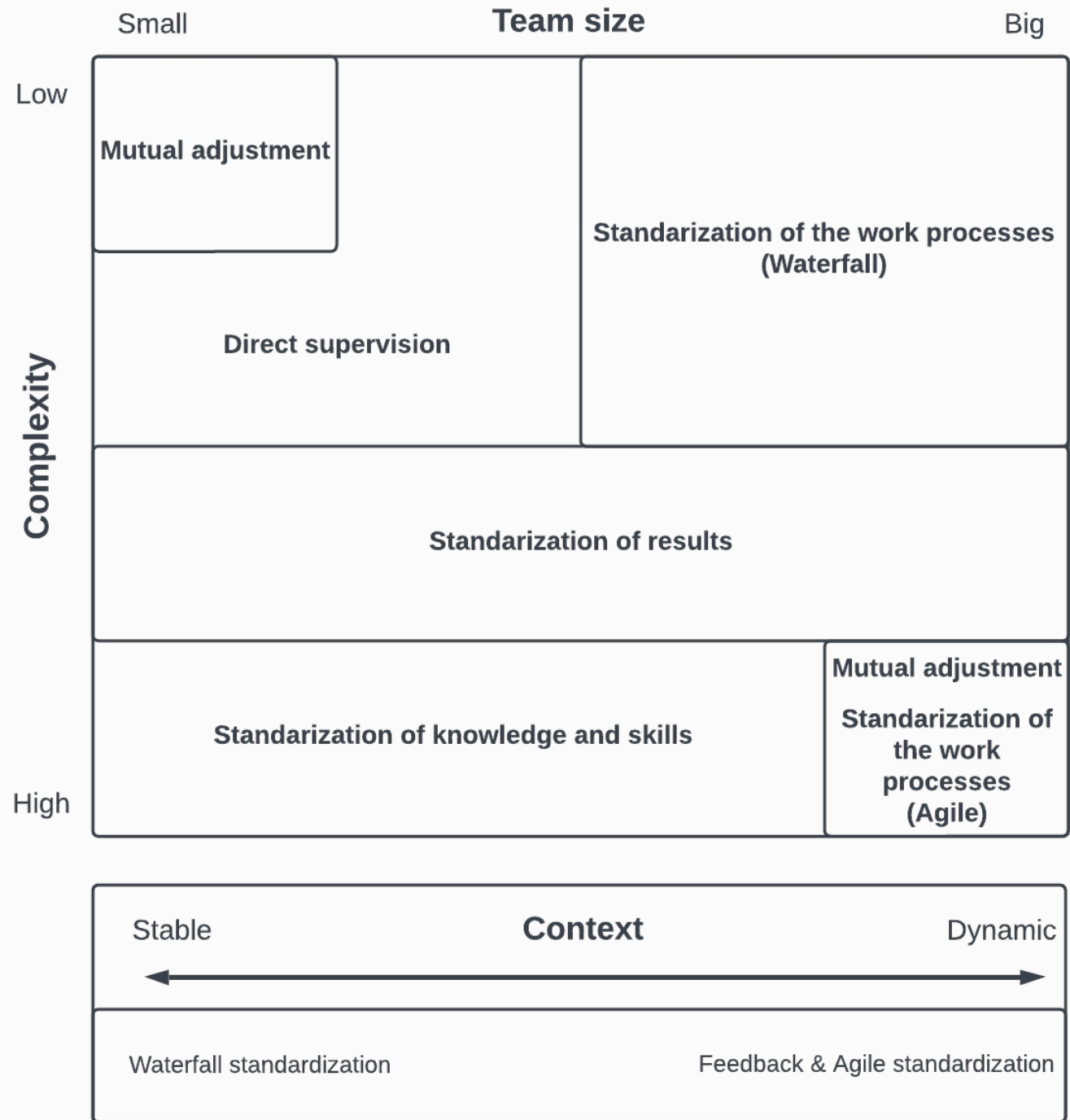




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- Effectivity-matrix;
 - Make informed decisions on enhancing the existing coordination mechanisms and strategies or incorporating new ones, based on the effectiveness of certain coordination strategies.







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- Effectivity-matrix;
 - Make informed decisions on enhancing the existing coordination mechanisms and strategies or incorporating new ones, based on the effectiveness of certain coordination strategies.
- Key design criteria;
 - Give more substance to these new coordination strategies





Hours intensity



User-friendliness





Interdependence



Hours intensity



User-friendliness





Interdependence



Hours intensity



User-friendliness





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 - Give more substance to these new coordination strategies.
- Selection-matrix;
 - Aids in determining which coordination strategy aligns best with the organization's needs.



Ideas	Interdependence	Hour's intensity	User-friendliness	DevOps & Agile
Internal agreements	B	G	N	G
Buddy system	B	G	G	G
Social map	N	G	G	N
Tuning meetings	N	B	N	G
DTO-Dashboards	G	N	G	G
Portfolio management	N	N	N	N
Commanders' intent	B	G	G	N
Decision tree	B	G	G	N
Manual	B	N	N	B
Checklist	B	N	N	B
Daily podcast	N	B	G	G
Quarterly meetings	N	G	G	G





FINDINGS & CONCLUSION

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DISCUSSION

- First step;
 - Study should be considered an initial step toward a broader understanding of tuning.
 - Consequently, further testing and cross-validation of the tuning model is necessary to ensure its robustness and validity.
- Contradiction of Mintzberg;
 - Relying solely on the coordination strategy 'mutual adjustment' is not sufficient within the test case.
 - Standardization of the work processes through agile provides the possibility of standardizing the work processes within a high complexity, big team size, and dynamic context.
 - Consequently, agile standardization of the work processes can offer appropriate support for the coordination strategy 'mutual adjustment'.



TOWARDS A MORE COMPREHENSIVE TUNING MODEL IN PROJECT MANAGEMENT

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