

TABLE OF CONTENTS

Abstract.....	3
Abstrakt	4
Rozšířený abstrakt	6
Extended abstract	7
1. RESEARCH PROPOSAL	8
1.1. Literature review.....	8
1.2. Research objectives.....	9
1.3. The importance of the study	9
1.4. The scope of the study.....	9
2. INTRODUCTION TO INDUSTRIAL ECOLOGY.....	10
3. INTRODUCTION TO AUTOPOIESIS	10
4. RESEARCH METHODOLOGY	12
5. DESIGNED CASES.....	13
5.1. A first step towards sustainable development.....	13
5.2. A second step towards sustainable development	16
5.3. Waste as a valuable resource	17
6. CASE STUDIES.....	19
6.1. The case of Kalundborg, Denmark	19
6.2. The case of Guayama, Puerto Rico	21
6.3. The case of Uimaharju, Finland	23
6.4. Cross-case analysis.....	25
7. CONCLUSION AND DISCUSSION	25
7.1. Contribution to science and practice	25
7.2. Limitations of the study.....	26
7.3. Further research	26
7.4. Conclusion.....	26
APPENDIX A Results of the cross-case analysis.....	28
BIBLIOGRAPHY	29
LIST OF PUBLISHED WORK.....	31
CURRICULUM VITAE.....	32