

# CONTENT

<b>CONTENT</b> .....	<b>4</b>
<b>ABBREVIATIONS AND SYMBOLS</b> .....	<b>6</b>
<b>LIST OF FIGURES AND CHARTS</b> .....	<b>7</b>
<b>LIST TABLES</b> .....	<b>8</b>
<b>ABSTRACT</b> .....	<b>9</b>
<b>INTRODUCTION</b> .....	<b>10</b>
<b>1 THEORETICAL OVERVIEW OF THE CIRCULAR BIOECONOMY AND BIOMASS: CONCEPTS, POTENTIAL, POLICY FRAMEWORK, CHALLENGES</b> .....	<b>11</b>
1.1 CONCEPT OF CIRCULAR BIOECONOMY.....	11
1.2 BIOMASS AND ITS UTILIZATION.....	18
1.3 CIRCULAR BIOECONOMY IN THE EU AND SR POLICY FRAMEWORK .....	28
1.4 THE QUADRUPLE HELIX MODEL IN CIRCULAR BIOECONOMY GOVERNANCE.....	31
<b>2 RESEARCH OBJECTIVES AND METHODOLOGY</b> .....	<b>33</b>
2.1 RESEARCH OBJECTIVE .....	33
2.2 QUANTIFICATION OF TOTAL PHYSICALLY AVAILABLE BIOMASS AND BIOMASS AVAILABLE FOR ENERGY PURPOSES .....	34
2.3 THE POWER/INTEREST MATRIX .....	42
2.4 QUESTIONNAIRE SURVEY .....	43
<b>3 ANALYSIS OF BIOECONOMY DEVELOPMENT IN THE ŽILINA SELF-GOVERNING REGION.</b> .....	<b>44</b>
3.1 GENERAL CHARACTERISTICS OF ŽILINA SELF-GOVERNING REGION .....	44
3.2 BIOMASS-PRODUCING SECTORS OF THE ECONOMY IN ŽSGR.....	50
3.3 IDENTIFICATION OF KEY STAKEHOLDERS, NEEDS AND PRIORITIES IN THE BIOECONOMY IN THE REGION .....	79
3.4 SUMMARY ANALYSIS OF THE POSSIBILITIES OF PUBLIC FUNDING FOR THE BIOECONOMY DEVELOPMENT IN SLOVAKIA AND THE ŽILINA SELF-GOVERNING REGION .....	92
3.5 LEGISLATIVE FRAMEWORK GOVERNING THE CIRCULAR BIOECONOMY IN THE SLOVAK REPUBLIC.....	97
<b>4 RESEARCH CONCLUSIONS, PROPOSALS AND RECOMMENDATION</b> .....	<b>101</b>
4.1 KEY SUMMARIES OF QUANTITATIVE AND QUALITATIVE RESEARCH .....	101
4.2 BUILDING PHYSICAL AND KNOWLEDGE CAPACITIES FOR BIOECONOMY DEVELOPMENT IN THE REGION .....	102
4.3 PLAN OF PILOT ACTIONS .....	104
4.4 PROPOSAL OF MEASURABLE INDICATORS.....	105

4.5	POLICY PAPER – NATIONAL RECOMMENDATIONS FOR THE DEVELOPMENT OF THE CIRCULAR BIOECONOMY .....	108
	<b>CONCLUSION .....</b>	<b>111</b>
	<b>REFERENCES.....</b>	<b>112</b>