

CONTENTS

INTRODUCTION	11
Foreword by the Rector of the Agricultural University in Krakow	13
Foreword by the Dean of the Faculty of Environmental Engineering and Land Surveying	15
From the Editors	17
PART I: LANDSCAPE ASSESSMENT	19
1 SYSTEMATICS AND REVIEW OF RURAL LAND VALORISATION METHODS FOR THE NEEDS OF LANDSCAPE USE AND SHAPING	21
Krzysztof Koreleski	
1.1 Introduction	21
1.2 Proposed systematics of methods	22
1.3 Review of methods within the adopted systematics	22
1.3.1 Aim 1a – valorisation for the need of landscape use rationalisation.....	22
1.3.2 Aim 1b – valorisation for the need of landscape shaping and protection.....	24
1.3.3 Aim 1c – valorisation for the need of recreation.....	26
1.4 Conclusions	26
1.5 References	27
2 METHODOLOGY OF ANALYSIS AND ASSESSMENT OF CULTURAL LANDSCAPE TRANSFORMATION.....	29
Halina Kubowicz, Karol Noga, Jan Szczurek	
2.1 Introduction	29
2.2 Methods of transforming maps of the former Austrian cadastre for digital use	29
2.3 Method of depicting spatial transformations of a cultural landscape	30
2.4 Cultural landscape changes – intensity and directions	36
2.5 Conclusions	37
2.6 References	37

3	INDEX METHODS FOR LANDSCAPE VALORISATION	39
	Urszula Litwin	
	3.1 Introduction	39
	3.2 Literature on the subject	39
	3.3 Methods of landscape valorisation	45
	3.4 Conclusions	48
	3.5 References	49
4	LANDSCAPE IDENTIFICATION IN THE SENSE OF THE EUROPEAN LANDSCAPE CONVENTION, SIMPLIFIED FOR THE USE THROUGH THE INTERESTED PUBLIC	53
	Arthur Spiegler	
	4.1 European Landscape Convention	53
	4.2 ECOVAST Method of landscape identification	53
	4.3 Examples of the approach – how to work with the ECOVAST Method	54
	4.4 How to work with the ECOVAST Method	55
	4.5 Experiences and benefits of landscape identification with the ECOVAST Method	57
	4.6 References	58
5	DEVELOPMENT OF CULTURAL LANDSCAPES – AUSTRIAN SITUATION AND FUTURE PERSPECTIVES IN THE LIGHT OF THE ELC	59
	Gernot Stöglehner, Jochen Schmid	
	5.1 Introduction	59
	5.2 Development of cultural landscapes in Austria	59
	5.2.1 Austria’s landscapes in a nutshell.....	59
	5.2.2 Agriculture and forestry.....	60
	5.2.3 Settlement and transport.....	61
	5.2.4 Facts and figures.....	61
	5.3 Existing instruments in accordance with the ELC in Austria	61
	5.3.1 Agriculture and forestry.....	61
	5.3.2 Spatial planning, regional development and infrastructure planning.....	62
	5.3.3 Nature and landscape conservation, protection of historical buildings.....	63
	5.4 Consequences of the ELC-ratification in Austria	63
	5.5 Perspectives by the ELC	64
	5.6 Conclusions	65
	5.7 References	66
6	CULTURAL LANDSCAPE PROJECT EAST THURINGIA	69

Catrin Schmidt

6.1	Background and objective of the cultural landscape project	69
6.2	Methodical approach	69
6.3	Analysis and investigation	70
6.3.1	Recording of natural characteristics of the cultural landscape	72
6.3.2	Recording of culturally determined characteristics of the cultural landscape	72
6.3.2.1	Settlement structure	73
6.3.2.2	Open space structure	75
6.3.2.3	Infrastructure	78
6.3.3	Recording of associative elements	79
6.4	Extensive approach – models and project proposals for the cultural landscapes of East Thuringia	81
6.5	Selective approach – selection of cultural landscape elements with special characteristics	81
6.6	Conclusions	83
6.7	References	84
PART II: LANDSCAPE PROTECTION		85
7	PROTECTING CULTURAL LANDSCAPE IN AUSTRIA – STRATEGIES AND PROJECTS IN PRACTICE	87
	Reinhold Christian, Ralph Feichtinger	
7.1	Introduction	87
7.2	Ecological Cycle Mud Bath Harbach	87
7.2.1	Background and historical development	87
7.2.2	Aims	88
7.2.3	Implementation	88
7.2.4	Financing	89
7.3	Woodland	89
7.3.1	Background and historical development	89
7.3.2	Aims	89
7.3.3	Implementation	89
7.3.4	Financing	90
7.4	The energy autarkic city of Güssing	91
7.4.1	Background and historical development	91
7.4.2	Aims	91
7.4.3	Implementation	91
7.5	Conclusions	92
8	PROTECTING AND SHAPING CULTURAL LANDSCAPES ACTIVELY AT THE LOCAL LEVEL - BASED ON INITIATIVES CONNECTED WITH THE REINSTÄDT MARKET (THURINGIA)	93

Hans-Joachim Petzoldt, Jacek M. Pijanowski

8.1	Introduction	93
8.2	Reinstädt market as an important element of local economic development	93
8.2.1	Origins of the market and the role of the local community.....	95
8.2.2	Organising the market.....	95
8.2.3	Selling culture.....	98
8.2.4	Slow Food.....	98
8.2.5	Regional currency LANDMARK.....	98
8.3	Reinstädt market and cultural landscape	99
8.3.1	How the Reinstädt market influences cultural landscape.....	99
8.3.2	Activities of the Association for the purpose of cultural landscape protection and shaping in the Reinstädt region.....	100
8.4	Conclusions	101
8.5	References	101
9	BIOTOPE AND HERITAGE VALUE OF WEIRS AND OTHER HISTORICAL CONSTRUCTIONS – AN ASSESSMENT TOOL TO COMBINE DIFFERENT INTERESTS	103
	Korinna Thiem	
9.1	Waterways conflict	103
9.2	Biotope-cultural worth approach	104
9.3	Ecomorphological features and value enhancing factors	105
9.4	Evaluation	105
9.5	Recommendation of measures	108
9.6	Results	108
9.6.1	Waterway structure and ecological functioning.....	108
9.6.2	Value determining factors.....	109
9.7	Conclusions	111
9.8	References	112
10	FACILITIES AND DEVICES OF WATER SUPPLY AND SEWERAGE INFRASTRUCTURE IN LANDSCAPE SHAPING	115
	Jan Pawełek	
10.1	Introduction	115
10.2	Systems of water supply and sewerage infrastructure	116

10.3	Positioning facilities and devices of water supply and sewerage systems and landscape shaping	117
10.3.1	Water supply systems	117
10.3.2	Sewerage systems	122
10.4	Conclusions	124
10.5	References	124
11	HYDROMORPHOLOGICAL RIVER TRANSFORMATIONS AND CULTURAL LANDSCAPE.....	125
	Wojciech Bartnik, Tadeusz Bednarczyk	
11.1	Introduction	125
11.2	Changes in river channel position	125
11.3	Historical water constructions	129
11.4	Assessing the state of the stream – mapping river structures	130
11.5	Conclusions	131
11.6	References	133
12	ROLE AND FUNCTIONS OF SELECTED ELEMENTS OF NATURAL ENVIRONMENT IN CULTURAL LANDSCAPE.....	135
	Krzysztof Boroń	
12.1	Cultural landscape and natural landscape	135
12.2	Natural environment and cultural landscape	135
12.3	Environmental trophicity and geochemical landscape types	136
12.4	Role of soil in cultural landscape formation	137
12.5	Influence of soil on vegetation cover as an element of landscape	138
12.6	Methodology of cultural landscape ecological valorisation	139
12.7	Methodology of soil testing – soil as an element of cultural landscape	141
12.8	Conclusions	142
12.9	References	143
PART III: LANDSCAPE SHAPING		145
13	EUROPEAN SPATIAL DEVELOPMENT PERSPECTIVE (ESDP)	147
	Józef Hernik, Grzegorz Olejniczak	
13.1	Introduction	147
13.2	Most important European Union's activities affecting the joint spatial development	147
13.3	Principles and background of the European Spatial Development Perspective	148

13.4	Main objectives of the European Spatial Development Perspective	148
13.5	Objectives of the spatial development policy	149
13.6	Integrated spatial development policy	151
13.7	ESDP and cultural landscapes	154
13.8	Initiative of the European Union INTERREG	155
13.9	Conclusions	157
13.10	References	158
14	SPATIAL PLANNING AS A TOOL FOR LANDSCAPE PROTECTION AND SHAPING.....	159
	Krzysztof Gawroński	
14.1	Introduction	159
14.2	System of spatial planning in Poland with special consideration for local spatial planning	160
14.3	Issues of landscape development and cultural value protection in the process of spatial planning	162
14.4	Conclusions	168
14.5	References	170
15	EVOLUTION OF FARM BUILDINGS IN THE LANDSCAPE OF THE POLISH SPISZ REGION.....	171
	Wacław Bieda, Piotr Herbut	
15.1	Introduction	171
15.2	Conditions influencing the shape of farm buildings	171
15.3	Description of the farm buildings	174
15.4	Trends in the landscape change of the villages of Spisz	176
15.5	Conclusions	178
15.6	References	179
16	CULTURAL LANDSCAPES AND ROMANIAN EXPERIENCES – THE IMPORTANCE OF CULTURAL LANDSCAPES FOR LOCAL AND REGIONAL DEVELOPMENT	181
	Nicolae Baciu, Octavian-Liviu Muntean, Radu Mihăiescu, Tania Mihăiescu, Wilfried Schreiber, Eduard Schuster	
16.1	Introduction	181
16.2	Concept of cultural landscapes	181
16.3	Methods and methodology	182
16.4	Conclusions	185
16.5	References	186

17	REGARDING THE CONSIDERATION OF CULTURAL QUALITIES OF LANDSCAPES IN THE LANDSCAPE AND SPATIAL PLANNING IN GERMANY	187
	Catrin Schmidt	
17.1	Introduction	187
17.2	What is cultural landscape?	187
17.3	Current state of affairs in research and practise	189
17.3.1	So far existing analysis- and evaluating-methods of the dynamism and intensity of the cultural landscapes change	190
17.3.1.1	Alteration map of cultural landscapes	190
17.3.1.2	Continuity map	190
17.3.1.3	Map of loss	191
17.3.2	Previous characterisation of cultural landscapes	191
17.3.2.1	Selective approaches: Historical cultural landscape elements	191
17.3.2.2	Extensive i.e. area-covering approaches: Cultopes, entities of cultural dominance and role models	195
17.3.3	Example: mapping codes "Cultural landscape Thuringia" and the planning concept of culturally dominant entities	196
17.3.3.1	Creation of a usage alteration map	197
17.3.3.2	Mapping of culturally dominant entities	197
17.4	Conclusions	199
17.5	References	199
LISTS		203
	List of photographs	203
	List of figures	205
	List of tables	206
	Abbreviations	206