

Table of Contents

<i>Foreward</i> (Marius Alexianu)	13
<i>Acknowledgements</i>	15
Chapter 1: What is this thesis about: Objectives, methodology and structure	17
1.1. Introduction	17
1.2. Motivation of the thesis	17
1.3. Objectives & hypotheses	21
1.3.1. Objectives	21
1.3.2. Research questions and hypotheses	21
1.4. Geographical framework – Selection of case studies	23
1.4.1. Selection of case studies	23
1.4.2. Inland salinas protected as BIC (Spain)	25
1.4.3. Study sites in Europe	29
1.5. Methodology	31
1.5.1. Bibliographic survey	32
1.5.2. Interviews with key stakeholders and focus group dynamics	33
1.5.3. Field visits and observations	36
1.5.4. An indicator based tool to assess local development performance and opportunities of salt heritage	37
1.5.5. Narratives of case studies	39
1.6. Structure of the thesis – A guide to the reader	43
Chapter 2: Heritage and cultural landscapes within the context of local development	47
2.1. Introduction	47
2.2. Heritage and patrimonialisation	47
2.2.1. What is heritage	47
2.2.2. The process of patrimonialisation	48
2.2.3. Types of heritage	49

2.3. Cultural landscapes and ecosystems	55
2.3.1. Landscapes as cultural concepts	55
2.3.2. Multifunctional landscapes	56
2.3.3. Wetlands as cultural ecosystems	57
2.4. Local development around heritage and landscapes	58
2.4.1. Education and interpretation as awareness raising tools	58
2.4.2. Tourism and heritage, a difficult but necessary marriage	60
2.4.3. Rural development	66
2.5. Sustainable local development through heritage and landscapes	67
2.5.1. Sustainable development as a framework for local development	67
2.5.2. Values of heritage and landscapes	69
2.6. Conclusions	72
Chapter 3: Heritage and landscape values of salinas	73
3.1. Introduction	73
3.2. Salt, an essential commodity for humanity	73
3.2.1. The human “hunger for salt”	73
3.2.2. Salt properties and the ‘14,000 uses of salt’	74
3.3. Salt making: where and how	75
3.3.1. The geography of salt making in Europe	75
3.3.2. The geophysical features of salt making	77
3.3.3. Productive features of salt making	81
3.4. Artisanal solar evaporation salinas	86
3.4.1. The case of inland salinas	87
3.4.2. Atlantic vs Mediterranean-style salt making	88
3.4.3. Industrial vs artisanal salt making	90
3.4.4. A mining vs agricultural activity	91
3.4.5. Contesting dichotomies	91
3.5. The heritage values of saltscapes	92
3.5.1. Is the such a thing as saltscapes?	92
3.5.2. Biological values of natural and manmade saltscapes	93

3.5.3. The cultural relevance of saltscapes	94
3.5.4. The intangible values of saltscapes	95
3.6. The patrimonialisation of salt heritage	96
3.6.1. The decline of salt making and its consequences at landscape level	96
3.6.2. Reasons for the recovery of saltscapes and salt heritage	97
3.7. Conclusions	99
Chapter 4: The preservation and management of salt heritage and saltscapes	101
4.1. Introduction	101
4.2. Functions and values of saltscapes	101
4.2.1. Ecosystem functions and values of saltscapes	101
4.2.2. Current threats and challenges for the conservation of saltscapes and salt heritage	103
4.3. Heritage protection measures	108
4.3.1. Direct protection measures	110
4.3.2. Indirect protection measures	120
4.4. The management of salinas	123
4.4.1. Stakeholders involvement	124
4.4.2. Planning instruments	129
4.4.3. Funding	132
4.4. Conclusions	137
Chapter 5: Results of the case studies in Spain	139
5.1. Introduction	139
5.2. Origin and location of Spanish inland salinas	139
5.3. Overview of the patrimonialisation process of the sites	141
5.3.1. Inland salinas protected as BICs	143
5.3.2. The issue of ownership	145
5.3.3. Socio-demographic features of the study sites	146
5.3.4. Results of the indicator-based tool	147
5.3.5. Brief historical background of the patrimonialisation of the study sites	150
5.4. The patrimonialization narratives of the study sites	151
5.4.1. Salinas de Añana (Álava)	152

5.4.2. Poza de la Sal (Burgos)	156
5.4.3. Rambla Salada (Murcia)	158
5.4.4. Gerri de la Sal (Lleida)	160
5.4.5. Salinas de San Juan (Guadalajara)	162
5.4.6. Salinas de Imón (Guadalajara)	164
5.4.7. Salinar de Peralta de la Sal (Huesca)	167
5.4.8. Arcos de las Salinas (Teruel)	168
5.4.9. Salinas de Espartinas (Madrid)	170
5.5. Current situation of the study sites and similar salinas	171
5.5.1. Good practices	171
5.5.2. Challenges ahead	172
5.6. Conclusions	173
Chapter 6: Results of the case studies in Europe	175
6.1. Introduction	175
6.2. European successstories	175
6.3. The patrimonialisation narratives of the European study sites	178
6.3.1. The marais salants de Guérand (France)	178
6.3.2. The salinas of Sečovlje (Slovenia)	187
6.3.3. The saltworks of Læsø (Denmark)	197
6.4. The international scope of salt heritage	206
6.5. Conclusions	208
Chapter 7: The sound use of salt heritage and saltscapes	211
7.1. Introduction	211
7.2. The trilogy of salt	211
7.3. Axis 1: Salt making, food and gastronomy	213
7.3.1. A sustainable salt making model	213
7.3.2. The emergence of salt as a food item	216
7.3.3. Other salt-based food items	219
7.3.4. Non-food products related to salt	220
7.4. Axis 2: Eco-cultural tourism	221

7.4.1. The recovery of salt heritage for tourism	221
7.4.2. Tourism activities	223
7.5. Axis 3: Health and wellness	229
7.5.1. The uses of brine	229
7.5.2. Halotherapy	232
7.5.3. Others	233
7.6. The natural and cultural context	234
7.6.1. The social and educational uses of saltscapes and salt heritage	234
7.6.2. The aesthetic and symbolic perception of saltscapes and salt heritage	239
7.7. Conclusions	246
Chapter 8: Towards a sustainable management of salt heritage and saltscapes	249
8.1. Introduction	249
8.2. Current constraints in the management of salt heritage and saltscapes	249
8.2.1. General constraints	249
8.2.2. Environmental constraints	250
8.2.3. Economic constraints	252
8.2.4. Socio-cultural constraints	254
8.2.5. SWOT analysis of salt heritage and saltscapes	257
8.3. Analysis of the patrimonialisation of salt heritage– from the business of salt to the business of heritage	260
8.3.1. Before patrimonialisation	262
8.3.2. Patrimonialisation process in progress	263
8.3.3. Consolidated patrimonialisation process	264
8.3.4. Other examples of (partial) patrimonialisation	266
8.3.5. Pending challenges in the patrimonialisation of saltscapes	267
8.4. The five-step model for integrated salt heritage and saltscapes management	270
8.5. Conclusions of the thesis	273
8.5.1. Main research question and hypothesis	273
8.5.2. Subquestions and hypotheses (1-4)	275
8.5.3. Concluding remarks	278
8.6. Implications for further research	279

8.6.1. On the methodology	279
8.6.2. On the protection and management of (salt) heritage and landscapes	279
8.6.3. On other patrimonialisation processes	281
8.6.4. On the uses of (salt) heritage	281
8.7. In summary	282
Bibliography	283
Annexes	319