

Table of Contents

LIST OF BOXES, FIGURES AND TABLES.....	7
FOREWORD	9
1 DIGITAL AND GREEN BACKGROUNDS	11
1.1 Digitalisation and Digital Transformation	12
1.1.1 General Introduction.....	12
1.1.2 Aims & Objectives	14
1.1.3 Strategies & Important Papers.....	16
1.1.4 Summary.....	19
1.2 Climate Neutrality and Sustainability.....	21
1.2.1 General Introduction.....	21
1.2.2 Aims & Objectives	25
1.2.3 Strategies and Important (international) Papers and Documents	27
1.2.4 Summary.....	30
1.3 Trends and Challenges of the Communal Digital and Green Transition	32
1.3.1 European Municipalities and Cities under the Pressure of Trends and Challenges	32
1.3.2 Trends and Challenges.....	34
1.3.3 Summary.....	36
2 COMMON TOPICS FOR MUNICIPALITIES AND CITIES	39
2.1 Strategic Planning in Public Administration.....	40
2.1.1 General Introduction.....	40
2.1.2 Relevance for Municipalities.....	45
2.1.3 Practical Applications	46
2.1.4 Summary.....	46
2.2 Process Management as a Prerequisite for Digitalisation	48
2.2.1 General Introduction.....	48
2.2.2 Relevance for Municipalities.....	54
2.2.3 Practical Applications	56
2.2.4 Summary.....	56
2.3 Empowering Municipalities with Effective Knowledge Management.....	58
2.3.1 General Introduction.....	58

2.3.2	Importance and Benefits.....	59
2.3.3	Practical Applications	61
2.3.4	Summary.....	62
2.4	Public Engagement in Modern Municipalities and Cities.....	63
2.4.1	General Introduction.....	63
2.4.2	Relevance for Municipalities.....	63
2.4.3	Practical Applications	65
2.4.4	Summary.....	66
2.5	Evidence-Based Policymaking as a Means of Improving Communal Life.....	68
2.5.1	General Introduction.....	68
2.5.2	Relevance for Municipalities.....	68
2.5.3	Practical Applications	70
2.5.4	Summary.....	71
2.6	From Crisis to Continuity: Enhancing Public Administration Resilience.....	73
2.6.1	General Introduction.....	73
2.6.2	Relevance for Municipalities.....	74
2.6.3	Practical Applications	75
2.6.4	Summary.....	77
2.7	Public Integrity as a Complex Communal Level Guide	81
2.7.1	General Introduction.....	81
2.7.2	Relevance for Municipalities.....	82
2.7.3	Practical Applications	83
2.7.4	Summary.....	84
2.8	Effective Municipal Communication with the Stakeholders	86
2.8.1	General Introduction.....	86
2.8.2	Relevance for Municipalities.....	87
2.8.3	Practical Applications	88
2.8.4	Summary.....	92
3	DIGITALISATION AT THE COMMUNAL LEVEL	95
3.1	Open Data for Local Governments	96
3.1.1	General Introduction.....	96
3.1.2	Importance and Benefits.....	96
3.1.3	Practical Applications	97
3.1.4	Limitations and Challenges	98
3.2	Building Smart Cities: The Role of IoT in Urban Development	100
3.2.1	General Introduction.....	100
3.2.2	Importance and Benefits.....	101
3.2.3	Practical Applications	102
3.2.4	Limitations and Challenges	104
3.3	Data Management for Smooth Technological and Sustainable Growth.....	108

3.3.1	General Introduction.....	108
3.3.2	Importance and Benefits.....	109
3.3.3	Practical Applications	110
3.3.4	Limitations and Challenges	113
3.4	Safeguarding Digital Governance: Balancing Technology and Human Factors	117
3.4.1	General Introduction.....	117
3.4.2	Importance and Benefits.....	119
3.4.3	Practical Applications	120
3.4.4	Limitations and Challenges	120
3.5	Artificial Intelligence as a Topic of Communal Interest	124
3.5.1	General Introduction.....	124
3.5.2	Importance and Benefits.....	124
3.5.3	Practical Applications	125
3.5.4	Limitations and Challenges	126
3.6	Digital Public Services: Redefining Citizen-Official Interactions.....	129
3.6.1	General Introduction.....	129
3.6.2	Importance and Benefits.....	129
3.6.3	Practical Applications	130
3.6.4	Limitations and Challenges	134
3.7	Modern Ways of Local Communication Utilizing ICT	137
3.7.1	General Introduction.....	137
3.7.2	Importance and Benefits.....	137
3.7.3	Practical Applications	140
3.7.4	Limitations and Challenges	141
4	GREEN TRANSITION AT THE COMMUNAL LEVEL	143
4.1	Sustainable Urban Transportation	144
4.1.1	General Introduction.....	144
4.1.2	Importance and Benefits.....	145
4.1.3	Practical Applications	147
4.1.4	Limitations and Challenges	149
4.2	Advocating Green Buildings in the Municipal Landscape.....	154
4.2.1	General Introduction.....	154
4.2.2	Importance and Benefits.....	156
4.2.3	Practical Applications	160
4.2.4	Limitations and Challenges	161
4.3	Renewable Energies Powering Municipalities and Cities.....	165
4.3.1	General Introduction.....	165
4.3.2	Importance and Benefits.....	165
4.3.3	Practical Application	171

801	4.3.4	Limitations and Challenges	174
809	4.4	Local Communities Benefiting from Circular Economy.....	178
810	4.4.1	General Introduction.....	178
813	4.4.2	Importance and Benefits.....	184
	4.4.3	Practical Applications	185
817	4.4.4	Limitations and Challenges	186
817	4.5	Local Significance of Food Waste Management	188
819	4.5.1	General Introduction.....	188
820	4.5.2	Importance and Benefits.....	190
820	4.5.3	Practical Applications	190
824	4.5.4	Limitations and Challenges	192
824		CONCLUDING REMARKS.....	197
825		ABOUT THE PROJECT.....	198
829		CONTRIBUTORS.....	200