

Introductions	09
The Russian experience in the preservation of the historical architecture of Perm region and the promotion of Upper Kama Cultural Heritage Route through a digital documentation project Sandro Parrinello, Francesca Picchio	11
General issues of architectural heritage preservation in Russia Svetlana Maksimova, Tatiana Gudz	17
A landscape to be preserved for the protection of historical cultural identity Sandro Parrinello	23
Upper Kama route	33
General historical and geographical characteristics Julia Bushmakova, Anastasia Semina	35
The architectural tradition of the Upper Kama region Anna Shamarina, Svetlana Maksimova	43
Signs, traces and drawings of an architecture that goes beyond the centuries Sandro Parrinello	53
Methodology and tools of architectural survey	61
Terrestrial Laser Scanner for certified acquisition of architectural data Raffaella De Marco, Anna Shamarina	63
Photogrammetry for the documentation of landscape and monumental architecture Francesca Picchio	75
Drone photogrammetry survey for the reconstruction and analysis of the image of the territory Francesca Picchio, Anastasia Semina	85
Territorial descriptors and census methodology for architectural heritage Sandro Parrinello, Anna Dell'Amico	95
Usolye: historical heritage and industrial archaeology	109
The Stroganov historical legacy and the heritage of Usolye Anna Shamarina, Svetlana Maksimova	113
The structure of the landscape for a proposal of analysis in Usolye Anastasia Semina	121

Geographic information system of Usolye’s historical and architectural complex Julia Bushmakina	129
The image of Stroganov historical site: considerations about survey and restoration Sandro Parrinello, Anna Shamarina, Svetlana Maksimova, Federico Cioli	137
The application of SLAM technologies for the detection of Usolye historical center Anna Dell’Amico, Anastasia Semina	155
Rubezhskaya Church: census and digital survey for a renewed documentation report Julia Bushmakova, Raffaella De Marco, Anna Shamarina	163
Pyskor: an historical complex developed along centuries and landscape Raffaella De Marco, Anna Dell’Amico	175
The village of Taman, a place along the river Sandro Parrinello, Francesca Picchio, Julia Bushmakova	183
Morphology and complexity in the survey of Taman cathedral complex Raffaella De Marco	193
Solikamsk: a district between preservation and present	203
Introduction to Solikamsk Eugene Smirnov	207
The digital documentation of the city historical center of Solikamsk Raffaella De Marco, Alberto Pettineo	219
Bell tower of Trinity Cathedral Anna Shamarina, Alberto Pettineo	233
Cherdyn: Northern district and widespread heritage	243
A retrospective analysis of Cherdyn architecture Ekaterina Morar, Julia Bushmakova	247
Flying over architecture and monuments of Cherdyn district Francesca Picchio, Anastasia Semina	255
Landscape analysis of Cherdyn central place Anastasia Semina, Aleksandra Sharapova	265
Church of the Assumption of the Blessed Virgin Mary Anna Shamarina	275

Architectural settlements and wispered religious complexes along Cherdyn territory	281
Francesca Picchio, Sandro Parrinello	
Documenting the architectural shape from the ruin: Pokcha	291
Raffaella De Marco	
Inventory and modelling buildings and structures	303
Information model for the analysis of the landscape	305
Sandro Parrinello, Anna Dell'Amico	
Technological analysis and reading of Upper Kama monuments	315
Luis Palmero Iglesias	
Research for a census action on technological built systems	327
Luis Palmero Iglesias, Maria Isabel Giner García, Fernando Cos-Gayon Lopez, Raffaella De Marco	
General considerations on decays and structural problems	339
Giovanni Minutoli, Andrea Arrighetti	
For the development of BIM systems on the management of monumental heritage	347
Fernando Cos-Gayon Lopez, Ana Florencia Andrada	
From the point cloud to the parametric model: strategies of intervention	359
Anna Dell'Amico	
Credits	379