

Contents

1	Geospatial Open Source and Open Standards Convergences	1
	Athanasios Tom Kralidis	
2	Free Software and Open Source Business Models	21
	Arnulf Christl	
3	Communities of Practice and the Business of Open Source Web Mapping	49
	David McIlhagga	
4	MapServer	65
	Stephen Lime	
5	The Geospatial Data Abstraction Library	87
	Frank Warmerdam	
6	Open Source Databases and Their Spatial Extensions	105
	Rongguo Chen and Jiong Xie	
7	MapGuide Open Source	131
	Robert Bray	
8	GeoTools	153
	Ian Turton	
9	GRASS GIS	171
	M. Neteler, D.E. Beaudette, P. Cavallini, L. Lami and J. Cepicky	
10	GeoVISTA <i>Studio</i>: Reusability by Design	201
	Mark Gahegan, Frank Hardisty, Urška Demšar and Masa Takatsuka	

11	Design and Implementation of a Map-Centred Synchronous Collaboration Tool Using Open Source Components: The MapChat Project	221
	G. Brent Hall and Michael G. Leahy	
12	TerraLib: An Open Source GIS Library for Large-Scale Environmental and Socio-Economic Applications	247
	Gilberto Câmara, Lúbia Vinhas, Karine Reis Ferreira, Gilberto Ribeiro de Queiroz, Ricardo Cartaxo Modesto de Souza, Antônio Miguel Vieira Monteiro, Marcelo Tílio de Carvalho, Marco Antonio Casanova and Ubirajara Moura de Freitas	
	Index	271
	Author Biography	277