

Contents

<i>List of figures</i>	vii
<i>List of tables</i>	xv
1 Energy and climate protection	1
2 Solar radiation	41
3 Non-concentrated solar thermal	77
4 Concentrated solar power	126
5 Photovoltaics	156
6 Wind energy	239
7 Hydropower	294
8 Geothermal energy	314
9 Using biomass	331
10 Hydrogen production, fuel cells, and methanation	347
11 Calculating economic feasibility	359
<i>Appendix</i>	383
<i>Bibliography</i>	385
<i>Index</i>	393