Contents

List	f tables of contributors of abbreviations	vii ix xii
1	Big Science and Research Infrastructures in Europe: History and current trends Katharina C. Cramer, Olof Hallonsten, Isabel K. Bolliger and Alexandra Griffiths	6 and 9 1 Beat 2 Big Cone
2	Methods and strategies in the study of Big Science and Research Infrastructures: A review Nicolas Rüffin	27
3	The role of European Big Science in the (geo)political challenges of the twentieth and twenty-first centuries <i>Katharina C. Cramer</i>	56
4	Ever-changing Big Science and Research Infrastructures: Evolving European Union policy Inga Ulnicane	76
5	The introduction of ESFRI and the rise of national Research Infrastructure roadmaps in Europe Isabel K. Bolliger and Alexandra Griffiths	101
6	Intensified role of the European Union? European Research Infrastructure Consortium as a legal framework for contemporary multinational research collaboration <i>Maria Moskovko</i>	128
7	Research Infrastructure funding as a tool for science governance in the humanities: A country case study of the Netherlands Thomas Franssen	157

8	The role of research infrastructures in innovation systems: The case of Swedish participation in the Halden Reactor Project Olof Hallonsten, Hjalmar Eriksson and August Collsiöö	177
9	The access and return on investment dilemma in Big Science Research Infrastructures: A case study in astronomy Andrew Williams and Jean-Christophe Mauduit	198
10	Is there an "iron law" of Big Science? Olof Hallonsten	217
11	Keeping a Research Infrastructure alive: Material, social, and political work at the Institut Laue-Langevin Beatrice D'Ippolito and Charles-Clemens Rüling	232
12	Big Science and Research Infrastructures in Europe: Conclusions and outlook Olof Hallonsten and Katharina C. Cramer	251
Index		258