

Contents

Acknowledgments vii

List of Abbreviations ix

List of Illustrations xi

1 A Digital Research Revolution? 1

2 Conceptualizing e-Research 23

3 The Rise of Digital Research 45

4 Aggregating People and Machines: Collaborative Computation 69

5 Distributed Data 95

6 Digital Research across the Disciplines: The Sciences and Social Sciences 125

7 Digital Research across the Disciplines: Humanities and Access to Knowledge 147

8 Open Science 175

9 Limits of e-Research 187

10 Knowledge Machines 197

Notes 225

References 237

Index 263