

Contents

Forewords	8
National coordinators and data providers	10
Acknowledgements	14
Summary	16
Introduction	19
Organisation	20
Methods	23
Study area	23
Species list	23
Study period and data sources	24
Determining distribution and abundance at 50-km resolution	25
Data collection	25
Data management and validation	27
Interpreting 50-km maps	28
Modelling distribution at 10-km resolution	28
Data collection	28
Data management and validation	29
Data selection for modelling	29
Modelling process	30
Presentation of model outputs in the final maps	34
Evaluation of modelled maps	34
Interpreting modelled maps	34
Analysing change between EBBA1 and EBBA2	36
Study area for change analysis	36
Determining the set of squares	37
Species with taxonomic changes	38
Change index	38
Interpreting change	39
Fieldwork intensity and geographical coverage	40
Patterns of distribution and change	42
Overview	42
Native species	42
Biogeographic patterns in distribution	44
Changes in distribution	46
Patterns of change in biogeographic regions	46
Conclusion: general patterns of change	47
Species and habitats	48
Species of conservation concern	62
Non-native species	64
Distribution patterns	64
Changes in distribution	65
Interpreting species accounts	66
Species accounts	69
Appendix 1: Rare species	881
Rare native species recorded during EBBA2	881
Native species recorded or mentioned in EBBA1 but not recorded in EBBA2	883
Rare non-native species recorded during EBBA2	884
Appendix 2: Species list with summary statistics	890
Appendix 3: Country codes and acronyms	910
References	911
General reference works and atlases	911
Reference list	912
Species index	959