

Cambridge University Press

978-0-521-45712-5 - An Introduction to Applied Biogeography

Ian F. Spellerberg and John W. D. Sawyer

Index

[More information](#)

# Index

- Abbott, I. 71ff.
- Acacia* 106
- Acrocephalus scirpaceus* 121–2
- Actinidium chinensis* 92
- adaptive radiation 54
- allelopathy 119
- Andrewarthon, G. 15
- Anguilla vulgaris* 152, 154
- Antartica 32, 56
- sub-Antartica 42
- Aptenodytes forsteri* 121
- atlas 143
- barriers 182, 186, 210
- 'Beetle banks' 190
- Berghaus, H. 6
- biofuels 95
- biogeography
- analytical 13
- cladistic 12, 21
- dispersal 12
- ecological 47
- future roles 217
- historical 12
- panbiogeography 13
- regional 13
- taxonomic 13
- vicariance 12
- biogeographic regions 32, 58
- Biogeoclimatic Ecosystem Classification System (BEC) 39ff.
- bioclimatic 222
- biogeographical classifications 32ff.
- applications 40
- limitations 42
- marine 32
- spatial scales 36
- biological diversity 3, 5, 16, 19, 40, 45, 109, 126, 211, 218
- biomes 24, 34ff. 118, 212
- marine 36
- terrestrial 34
- Birch, L. C. 15
- Birdlife International 126, 130–1
- botanic garden 18
- British Ecological Society 14
- British Trust for Ornithology 129, 167–9
- buffer zone 167
- Buffon, Comte de 8
- carbon cycle 17
- Carson, R. 17
- Clements, F. E. 14, 34
- climate change 17–18, 78, 207ff.
- coelacanth 77–8
- conservation
- biological 44
- 'headland' 190
- continental drift 76, 88, 91
- cordgrass 93
- Cordyline australis* 144
- corridors 60
- cosmopolitan distribution 110
- Convention on Biological Diversity 3, 6
- Croizat, C. 12
- Cyatodes pendulosa* 153
- Darlington, P. J. 62, 68
- Darwin, Charles 7, 8, 24, 25, 51, 54, 143
- Dayton Climate Project 197

Cambridge University Press

978-0-521-45712-5 - An Introduction to Applied Biogeography

Ian F. Spellerberg and John W. D. Sawyer

Index

[More information](#)

## 242 Index

- Desmoschoenus spiralis* 101  
 Diamond, J. 162  
 Dinornithiformes 64  
*Diomedea epomophora* 104  
 discontinuous distribution 111  
*Dreissena polymorpha* 20  
*Drosophila* 73
- ecological restoration 19, 41, 217  
 Ecological Society of America 14  
 ecology 14  
 ecoregion 38, 40, 147  
 ecotherm 121  
 ecosystem 3, 4, 214  
   classification systems 38  
   effects of climate change 214  
 Elton, C. 14  
 endotherm 120  
 endemic (endemism) 49, 60, 62ff. 126  
 Environmental Impact Assessment 16  
 epiphytes 123  
 equilibrium theory 66ff., 72–3, 160  
*Eresus niger* 164–5  
*Eucalyptus grandis* 220  
*Eucalyptus globulus* 99  
 eurytopic 117  
 exotic species 18, 20, 49, 97, 113ff., 210
- Fagus* 4  
 fish  
   chub 60  
   coelacanth 77  
   freshwater 80  
   lungfish 80, 84  
 flightlessness 55, 64  
 Fleming, C. 81  
 founder principle 59
- Gadow, H. 11, 25  
 Galapagos Islands 51, 54, 62  
 gap analysis 41, 44ff.  
 Geographic Information System (GIS) 47, 136,  
   152, 178, 189, 224  
*Ginkgo* 77–8  
 Gondwana (Gondwanaland) 12  
*Gorilla* 102, 113  
 ‘greenhouse gases’ 17, 207  
 greenways 181, 197  
 grey seal, 111, 113  
 guilds 114  
*Gymnobelideus leadbeateri* 179
- habitat 4, 45  
   analysis 175ff.  
   fragmentation 2, 157ff., 164, 174, 203  
   linear 186  
   riparian 203
- Haeckel, E. 14  
*Halichoerus grypus* *see* grey seal  
 Heilprin 28  
 hedgerows 186ff.  
 herbarium 138ff.  
   voucher 139, 148  
 Herzog, T. 32  
 Hesse, R. 14  
 Holdridge, L. R. 36  
 Hooker, J. D. 11, 54, 56  
 Humboldt, A. 8  
*Hypericum perforatum* 20
- ‘Iceman’ 135  
 indicator species 125  
 Intergovernmental Panel on Climate Change  
   208ff.  
 International Centre for Antarctic Information  
   and Research 32  
 International Union for the Conservation of  
   Nature (World Conservation Union) IUCN  
   207  
 Internet 147  
 Institute of Terrestrial Ecology 164  
 invasive organisms 20, 72  
 island(s)  
   biology 59  
   classification 57  
   colonisation 64ff., 73  
   important studies 51  
   impoverishment 56  
   origins 88  
   species composition 68  
   species richness 68  
   types 50  
 island habitats 51, 158, 161
- Jersey Zoo Wildlife Preservation Trust  
   181
- klamath weed 20
- Lack, P. 54  
 land bridges 89  
*Latimeria chalumnae* 77–8  
 leaf monkey 59, 61  
 life form (plant) 33  
 Life Zone System 36  
 linear city 197, 202  
 Linnean Society 25, 56, 140  
 Linnaeus, C. 25  
 living fossil 77ff.  
 ‘Loch Ness monster’ 149
- McNeely, J. 206  
 MacArthur, R. 14, 51, 62, 68ff., 160, 222  
 Malay Archipelago 8

Cambridge University Press

978-0-521-45712-5 - An Introduction to Applied Biogeography

Ian F. Spellerberg and John W. D. Sawyer

Index

[More information](#)

Index 243

- maps 24, 45, 108  
 atlases 143  
 mapping 2, 24  
 types of distribution 150ff.
- Mayr, E. 59
- metapopulation 160
- Moa 64
- Montana Natural Heritage Program 147
- Myocastor coypus* 109
- National Vegetation Classification (NVC) 39, 43
- Nature reserves *see* protected areas
- Neoceratodus* 81
- Neophema chrysogaster* 145–6
- Nothofagus* 4, 6, 12, 80
- Our Common Future* 3
- palaeoecology 81, 133
- parasites 123
- paramo regimes 115–16
- Pearce, A. 14
- Peraxilla tetrapetala* 123–4
- Perdix perdix* 190
- Peripatus* 12, 80, 82
- pests 17, 129, 190, 218, *see also* 20
- phenology 144, 210
- phytogeography 1, 13
- Piltown Man 149
- pine 92
- Pinus radiata* 92
- plate tectonics 76, 77, 89
- Podocarpus totara* 106
- Porphyrio mantelli* 98ff.
- Presbytis* 59
- protected areas 18, 102, 161, 170ff.  
 criteria for selection 170ff., 220
- Pteridium aquilinum* 104, 119
- rat 92
- Raunkiaer, C. 33
- realms 24
- relict (wildlife) 60
- Ross, J. C. 56
- sacred trees 101
- Salix* 92, 95
- Sciurus carolinensis* 20
- Sclater, P.L. 25, 27
- Scott, P. 143
- Shelford, J. E. 34
- Shelford's law 117
- Smith, J. L. B. 77
- Spartina* 93
- speciation 54
- species  
 centres for diversity 126, 128  
 charismatic 102  
 distribution patterns 112–14  
 indicators 125, 190, 215  
 named 3  
 sacred 101  
 species diversity 175  
 species richness 16, 63, 68, 114  
 threatened 98
- species–area relationship 69ff., 162, 164ff.
- squirrel, grey 20, 93
- stepping stones 59, 71, 168, 182
- Sphenodon* 60–1, 81
- stenotopic 117
- symbiotic 123
- Tamiasciurus hudsonicus loquax* 154
- Tansley, A. G. 14
- taxonomy 4
- Teucrium parvifolium* 151
- Trichosorus vulpecula* 20, 103, 105
- tuatara *see Sphenodon*
- UNESCO 38, 42, 172, 197
- 'Vavilov centres' 94–6
- Wallace, A. R. 8, 24, 25, 32, 54, 57
- Wallace's line 57
- waste disposal 21
- Watt, A. S. 14–15
- Wegener, A. 88
- White, G. 143
- Wildfowl and Wetlands Trust 147
- wildlife 3  
 corridors 181ff.
- Wilson, E. O. 14, 51, 62, 68ff., 160, 222
- World Biogeography Agency 226
- World Conservation Monitoring Centre 35, 145, 226
- World Conservation Strategy 102–3
- zebra mussel 20
- zoogeographical regions 28, 32  
 subregions 32ff.
- zoogeography 1