

Cambridge University Press

978-0-521-13022-6 - Ecosystem Approaches to Fisheries: A Global Perspective

Edited by Villy Christensen and Jay Maclean

Index

[More information](#)*Index*

- AAAS, American Association
for the Advancement of
Science, 295
- adaptive management, 203
- Alaskan pollock, 134
- albatross, 319
- Alder, Jacqueline, 303
- Andersen, K. P., 2
- anecdotes, 131
- aquaculture, 5
- detritivory, 100
 - ecological, 108
 - feeds, 97, 125
 - fish, 96
 - fishponds, 100
 - history, 92
 - integrated, 92
 - intensive, 93
 - plants, 96
 - statistics, 94
- Aquamaps, 42
- Aspen Institute Congressional
Program, 308
- Atlantic cod, 292
- Atlantic swordfish, 319
- Bailly, Nicolas, 24
- Bakun, Andrew, 11
- Barcode of Life, 35
- Baron, Nancy, 295
- barracuda, 14
- Beverton and Holt, 2, 218
- biodiversity, 176
- BIS, biodiversity information
system, 27
- Blender gaming engine, 309
- Block, Barbara, 292
- Blue Ocean Institute, 292
- bluefin tuna, 292, 315
- bottom trawling, 292
- bottom-up effects, 199
- Buckland
Frank, 90
Rev. William, 90
- Catalog of Fishes*, 49
- Catalogue of Life, 26, 35, 36
- catch
- biogeography, 61
 - export, 121
 - fishing agreements, 63
 - gear, 64
 - nationality, 64
 - reconstruction, 57
 - reported, 56
 - sharks, 122
 - spatial scale, 57
 - taxonomy, 63
 - value, 65, 276, 277
- CBD, Conference of the Parties to the
Convention on Biological
Diversity, 80, 246
- CephBase, 35
- Chavance, Pierre, 213
- Chesapeake Bay, 311
- Cheung, William W.L., 171
- Christensen, Villy, xiii, 1, 189, 212,
213, 304
- Chuenpagdee, Ratana, 226
- CIESM, Mediterranean Science
Commission, 77
- Cisneros-Montemayor, Andrés M., 272
- CITES, Convention on International
Trade in Endangered Species of
Wild Fauna and Flora, 317
- CLEMAM, 36
- climate change, 171, 284
- Code of Conduct for Responsible
Fisheries, 108, 211, 228
- communicating science, xiv, 2, 7, 216,
218, 221, 222, 236, 286, 287, 296,
300, 301, 304, 306, 307

Cambridge University Press

978-0-521-13022-6 - Ecosystem Approaches to Fisheries: A Global Perspective

Edited by Villy Christensen and Jay Maclean

Index

[More information](#)

Index 323

- connectivity, 158
 conservation
 advocacy, 291
 policy, 283
 consilience, 216
- DANIDA, Danish International
 Development Agency, 155
- database
 completeness, 40
 data exchange, 37
 quality control, 40
 standards, 39
 validation, 41
- decision support system, 309
- detritivory, 100
- Dover sole, 13
- Dyck, Andrew J., 272
- ecological footprint, 68, 95, 293
- Ecopace, 161
- Ecopath, 3, 43, 81, 157, 190, 212,
 216, 309
- Ecosim, 159, 193, 309
- Ecospace, 193
- ecosystem
 approach, xiii, 190, 211, 246
 biogeography, 212
 information, 41
 integrated use, 246
 management, 1, 212, 228
 model hindcasting, 194
 model predictions, 197
 modeling, 3, 43, 81, 159, 183, 189, 305
 pelagic, 12
 restoration, 211
 services, 302
 studies, 35
 support services, 198
- ecotourism, 274
- ELEFAN, 81, 149, 161
- Encyclopedia of Life, 30, 35
- environmental policy, 285
- Eschmeyer, William, 27, 49
- essential fish habitat, 199
- Essington, Timothy E., 76
- European Commission, 25, 30, 105,
 108, 212
- FAO, Food and Agriculture
 Organization of the United
 Nations, 3, 24, 55, 73, 105, 122,
 149, 209, 228, 251, 299, 316
- FIB, Fishing-in-Balance, 74
- FISAT, 81, 149, 161
- Fischer, Walter, 24
- fish
 diversity, 24, 49
 ensilage, 105
 feeds, 89, 93, 97, 107, 111
 growth, 24, 112, 150
 low value/trash fish, 105
 supply, 94, 95, 106, 110
 trade, 219, 252
- FishBase, 4, 24, 150, 176, 212
- consortium, 30
 impact on science, 31, 47
- Fishbyte, ICLARM Newsletter, 155
- fisheries
 and climate change, 171
 and rural development policies, 243
 catch amount, 57
 coral reef, 252
 economics, 272
 ethics, 125
 gear, 64
 global catch database, 65
 small-scale, 226, 261
 subsidies, 272
 value, 65
- fishing
 catch variability, 50
 ecological effects, 77
 recreational, value of, 274
- fishing down marine food webs, 48,
 72, 213, 291, 298
- fishing through the food web, 76
- fishmeal and fish oil, 101, 125
- foraging arena, 17, 193, 305
- Froese, Rainer, 25, 47, 212
- gaming and visualization, 309
- GBIF, Global Biodiversity Information
 Facility, 28
- GEF, Global Environment Facility, 262
- GenBank, 35
- gill
 membranes, 21
 surface area, 13, 16, 24, 112
- GIWA, Global International Waters
 Assessment, 214
- goliath grouper, 131
- Gore, Al, 136
- GTZ, German Agency for Technical
 Cooperation, 2
- Gulf of Mexico, 292
- Hardt, Marah J., 315
- HDI, Human Development Index,
 232, 234
- Hempel, Gotthilf, 209
- Hepburn, John, xv
- highly migratory species, 137
- Hilborn, Ray, 2, 133
- Hirshfield, Michael, 290
- Hsieh, Chih-hao, 50

Cambridge University Press

978-0-521-13022-6 - Ecosystem Approaches to Fisheries: A Global Perspective

Edited by Villy Christensen and Jay Maclean

Index

[More information](#)

324

Index

- Hutchings, Jeffrey A., 213
hydrodynamics, 12
- IAAS, integrated agriculture–aquaculture systems, 251
- ICARRD, International Conference on Agrarian Reform and Rural Development, 246
- ICCAT, International Commission for the Conservation of Atlantic Tuna, 316
- ICES, International Council for the Exploration of the Sea, 60
- ICLARM, International Center for Living Aquatic Resources Management, 25, 89, 149, 155, 251
- IFFO, International Fishmeal and Fish Oil Organization, 102, 104
- INCOFISH, 217
- International Indian Ocean Expedition, 20
- international scientific cooperation, 219
- International Underwater Spearfishing Association, 135
- IUCN, International Union for Conservation of Nature, 35, 133
- Jackson, Jeremy, 128, 213
- Jacquet, Jennifer, 120, 128
- Jamaica
coral reef fishery, 148
larval settlement, 159
Pedro Bank, 155
reef fish assessment, 158
jellyfish, 298
- Laevastu, Taivo, 2
- Lai, Sherman, 304
- Lam, Vicky W. Y., 171
- Lenfest Ocean Program, 306
- length-frequency, 81, 145, 149, 156
- LME, large marine ecosystems, 28, 32, 45, 68, 76, 211, 212, 213
- low-abundance refuge, 17
- Lubchenco, Jane, 295
- Machiavelli, Niccolò, 290
- Maclean, Jay, xiii
- Malacolog, 36
- Malthusian overfishing, 241
- May, Lord Robert, xii
- McClenachan, Loren, 132
- Meeuwig, Jessica J., 171
- Millennium Ecosystem Assessment, 214
- monk seal, 198
- monkfish, 135
- Mora, Camilo, 49
- mortality
natural, 24, 25, 154, 157, 158
rates, 153
- Mozambique, 121
- MPA, marine protected area, 124, 137, 221, 228, 262, 298
- MRA, marine recreational activities, 274, 276
- MSI, Marine Sciences Institute of the University of the Philippines, 25
- MTI, Marine Trophic Index, 80 *See* fishing down marine food webs
- MULTIFAN, 150
- multispecies
length cohort analysis, 157
management, 3
- Munro, John L., xv, 145
- Myers, R. A. M., 133, 213
- Naga, the ICLARM Quarterly, 155
- Natural Resources Defense Council, 290
- Nauen, Cornelia E., 25, 30, 209
- Nelson, Joseph S., 27
- NMFS, US National Marine Fisheries Service, 134
- NOAA, US National Oceanic and Atmospheric Administration, 3, 177, 295
- NORAD, Norwegian Agency for Development Co-operation, 25
- NTFS, Network of Tropical Fishery Scientists, 155
- OBIS, Ocean Biogeographic Information System, 28
- Ocean Summits, 306
- Oceana, 290
- omnivory, 90, 110
- OSLR, Ocean Science and Living Resources, 11
- otoliths, 151
- overfishing, 301
- oxygen
absorption, 21
balance, 173
concentration, 13
constraint, 11
deficit, 14, 19
gathering apparatus, 15
production, 100
supply, 13
- Palomares, M. L. Deng, 24
- Pauly, Daniel
International Cosmos Prize, xiii
- PLA, participatory learning and action, 244
- Polovina, Jeffrey J., 3, 81, 159

Cambridge University Press

978-0-521-13022-6 - Ecosystem Approaches to Fisheries: A Global Perspective

Edited by Villy Christensen and Jay Maclean

Index

[More information](#)

Index 325

- PRA, participatory rural appraisal, 244
 prey-herding, 18
 Pullin, Roger S. V., 89
- Reichert, Joshua S., 283
 Reykjavik Conference on Responsible Fisheries in the Marine Ecosystem, 211
 rock lobster, 198
 Rosenstiel School, 14
 RRA, rapid rural appraisal, 244
 rubbish
 tropical vs. temperate, 261
 Ruddle, Kenneth, 241
 rural development policies, 243
- Saffina, Carl, 292, 315
 Schulz, Theodore, 244
 Sea Around Us project, 5, 42, 55, 76, 122, 172, 213, 227, 272, 292, 297, 302
 seafood
 consumer campaigns, 123
 consumption, 120
 supply, 105, 121
 SeaLifeBase, 4, 24, 176
 SeaWeb, 299
 shark
 average length, 133
 basking, 13
 blue, 151
 copper, 19
 decline, 292
 finning, 122
 oceanic whitetip, 129
 whale, 13
 Sherman, Kenneth, 213
 shifting baseline, 4, 128, 213, 290, 291
 SIFR, Study on International Fisheries Research, 210
 SLCA, Shepherd's Length Composition Analysis, 150
 small-scale fisheries, 226, 261
 definition, 230
 global database, 229
 marginalization, 227
 women, 235
 South Pacific, 247, 264
 Species 2000, 26
 stock assessment
 history, 145
 length-based methods, 2
 multispecies, 157
 software, 149
 tropical, 146, 155
 stock reduction analysis, 194
 Sumaila, U. Rashid, 55, 272
 sustainable development, 211
- top-down effects, 199
 turtle
 exclusion devices, 320
 turtles
 Caribbean green, 130, 132
 hawksbill, 132
 leatherback, 292
 sea turtles, 320
- UN Conference on Environment and Development, 211
 UNDP, United Nations Development Programme, 232
 upland watersheds, 258
 Ursin, Erik, 2
- Vincent, Amanda, xiii
 visualization, 305
 Vitousek, Peter M., xi
 VPA, Virtual Population Analysis, 157, 194, 196
- Walters, Carl J., 159, 189, 212
 Watson, Reg, 55, 213, 299
 Web of Science, 31, 33, 48, 51, 190, 191
 Weiss, Ken, 136
 western king wrasse, 182
 wetlands
 coastal, 251
 tropical, 256
 whales
 grey, 130
 humpback, 130
 watching, 274
 Wikipedia, 217
 World Bank, 245
 World Commission on Environment and Development, 211
 World Summit on Sustainable Development, 211
 Worm, Boris, 133, 213
 WoRMS, World Register of Marine Species, 36
- Zeller, Dirk, 55, 59