

1. **Global Fishing Capacity and Fishing Effort from 1950–2012**

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Global Fisheries; nutrition; biodiversity

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Conservation, global abundance, historical fishing, reconstruction, stock assessment

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LCA, prawn, shrimp, trawling

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imports, seafood trade, supply chain, life cycle assessment, food miles, sustainable seafood, Australia

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sustainability; Global Fisheries; Fisheries management; stock assessment

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C. J. McOwen, W. W. L. Cheung, R. R. Rykaczewski, R. A. Watson, L. J. Wood, (2015). *Fish and Fisheries* 16, 623-632.

bottom-up; climate forcing; fishing effort; Large Marine Ecosystem; LME; top-down; fisheries production; primary production

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Fisheries, Access agreements, Tuna, Pacific island nations, Distant water fishing nations

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J. M. Sunday, G. T. Pecl, S. Frusher, A. J. Hobday, N. Hill, N. J. Holbrook, G. J. Edgar, R. Stuart-Smith, N. Barrett, T. Wernberg, R. A. Watson, D. A. Smale, E. A. Fulton, D. Slawinski, M. Feng, B. T. Radford, P. A. Thompson, A. E. Bates, (2015). *Ecology Letters*,

range shifts, climate change, species traits, range extension, climate velocity, functional traits, climate response

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species; redistribution; range; attribution; prediction; biogeography; warming; climate change; abundance–occupancy relationship

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food security; energy price; fuel; fisheries; aquaculture; adaptive capacity; vulnerability

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E. K. Pikitch, J. R. Konstantine, T. E. Essington, C. Santora, D. Pauly, R. Watson, U. R. Sumaila, P. D. Boersma, I. L. Boyd, D. O. Conover, P. Cury, S. S. Heppell, E. D. Houde, M. Mangel, E. Plaganyi-Lloyd, K. Sainsbury, R. S. Steneck, T. M. Geers, N. Gownaris, S. P. Munch, (2014). *Fish and Fisheries* 15, 43-64.

ecosystem-based management; ecosystem service; fisheries value; forage fish; supportive values; trade-offs

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indicator; status; assessment; ocean health; global

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overfishing; fisheries management; depletion; sustainability

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deep-sea; deep-water fisheries; depth of fishing; fishing deeper; global fisheries; coastal

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cross-sectional; transects; global fisheries; coastal; Large Marine Ecosystems; LME; Exclusive Economic Zones: EEZ

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global fisheries; marine; change; history

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fishing effort; fishing intensity; spatial expansion; yield

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R. Watson, G. Nowara, S. Tracey, B. Fulton, C. Bulman, G. Edgar, N. Barrett, J. Lyle, S. Frusher, C. Buxton, (2013). *Ecological Modelling*,

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marine spatial planning; Madagascar; MPA

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shrinkage; growth; climate change; global; marine ecosystems; ocean

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41. **The Mediterranean Sea under Siege: Spatial Overlap between Marine Biodiversity, Cumulative Threats and Marine Reserves**

M. Coll, C. Piroddi, C. Albouy, F. Ben Rais Lasram, W. W. L. Cheung, V. Christensen, V. S. Karpouzi, F. Guilhaumon, D. Mouillot, M. Paleczny, M. L. Palomares, J. Steenbeek, P. Trujillo, R. Watson, D. Pauly, (2012). *Global Ecology and Biogeography* 21, 465-480.

cumulative impacts; human threats; marine biodiversity; marine conservation; marine protected areas; MPA; Mediterranean Sea

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E. A. Norse, S. Brooke, W. W. L. Cheung, M. R. Clark, I. Ekeland, R. Froese, K. M. Gjerde, R. L. Haedrich, S. S. Heppell, T. Morato, L. E. Morgan, D. Pauly, R. Sumaila, R. Watson, (2012). *Marine Policy* 36, 307-320.

sustainability; deep-sea fisheries; fisheries collapse; fisheries economics; high seas; global fisheries

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overfishing; fisheries management; depletion; sustainability

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U. R. Sumaila, A. Cisneros-Montemayor, A. Dyck, L. Huang, W. Cheung, J. Jacquet, K. Kleisner, V. Lam, A. McCrea-Strub, W. Swartz, R. Watson, D. Zeller, D. Pauly, (2012). *Canadian Journal Fisheries and Aquatic Sciences* 69, 499-510.

oil spill; marine ecosystems; ecological impact; profit; wages

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global fisheries; marine; rebuilding; costs

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W. Swartz, R. Sumaila, R. Watson, (2012). *Environmental and Resource Economics*, 1-14.

price; value; global marine fisheries

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S. C. Anderson, J. M. Flemming, R. Watson, H. K. Lotze, (2011). *PloS one* 6, e14735.

invertebrate; fisheries; global; ecosystem

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S. C. Anderson, J. M. Flemming, R. Watson, H. K. Lotze, (2011). *Fish and Fisheries* 12, 317-339.

beche-de-mer; seacucumber; echinoderms; global market; invertebrate fisheries; global fisheries

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J. Anticamara, R. Watson, A. Gelchu, D. Pauly, (2011). *Fisheries Research* 107, 131-136.

fishing effort; global fishing; database; FAO; EU; CCAMLR

10.1016/j.fishres.2010.10.016, <http://www.ecomarres.com/downloads/effort1.pdf>

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B. B. Collette, K. E. Carpenter, B. A. Polidoro, M. J. Juan-Jordá, A. Boustany, D. J. Die, C. Elfes, W. Fox, J. Graves, L. Harrison, R. McManus, C. V. Minte-Vera, R. Nelson, V. Restrepo, J. Schratwieser, C. Sun, A. Amorim, M. B. Peres, C. Canale, G. Cardenas, S. Chang, W. Chiang, N. Leite, H. Harwell, R. Lessa, F. L. Fredou, H. A. Oxenford, R. Serra, K. Shao, R. Sumaila, S. Wang, R. Watson, E. Yáñez, (2011). *Science* 333, 291-292.

tuna; billfish; threat; global

10.1126/science.1208730, <http://www.ecomarres.com/downloads/Tuna.pdf>

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catch; database; fisheries; fishing cost; fixed cost; fuel cost; global cost; sustainability; variable cost

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D. Mouillot, C. Albouy, F. Guilhaumon, F. Ben Rais Lasram, M. Coll, V. DeVictor, E. Douzery, C. Meynard, D. Pauly, J. A. Tomasini, M. Troussellier, L. Velez, R. Watson, N. Mouquet, (2011). *Current Biology* 21, 1044-1050.

Mediterranean; biodiversity; hot spots

10.1016/j.cub.2011.05.005, <http://www.ecomarres.com/downloads/Med2.pdf>

53. Potential Impact of the Deepwater Horizon Oil Spill on Commercial Fisheries in the Gulf of Mexico

A. Scrub-McCrea, D. Zeller, U. R. Sumaila, W. Swartz, K. Kleisner, R. Watson, D. Pauly, (2011). *Fisheries* 36, 332-336.

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L. Tremblay-Boyer, D. Gascuel, R. Watson, V. Christensen, D. Pauly, (2011). *Marine Ecology Progress Series* 442, 169-185.

ecosystem modelling; biomass; fisheries; marine predators; trophic level; global

10.3354/meps09375, <http://www.ecomarres.com/downloads/biomass.pdf>

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J. Alder, S. Cullis-Suzuki, V. Karpouzi, K. Kaschner, S. Mondoux, W. Swartz, P. Trujillo, R. Watson, D. Pauly, (2010). *Marine Policy* 34, 468-476.

environmental indicator; fisheries; sustainability; mariculture; aquaculture; marine mammal; seabird

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T. A. Branch, R. Watson, E. A. Fulton, S. Jennings, C. R. McGilliard, G. T. Pablico, D. Ricard, S. R. Tracey, (2010). *Nature* 468, 431-435.

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C. J. Brown, E. A. Fulton, A. J. Hobday, R. Matear, H. Possingham, C. Bulman, V. Christensen, R. Forrest, P. Gehrke, N. Gribble, S. Griffiths, S. H. Lozano-Montes, J. Martin, S. Metcalf, T. Okey, R. Watson, A. J. Richardson, (2010). *Global Change Biology* 16, 1194-1212.

climate change; marine; ecosystem modelling; Ecopath

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