

## 1. Plenty More Fish in the Sea?

R. A. Watson, T. J. Pitcher, S. Jennings, (2017). *Fish and Fisheries* 18, 105-113.

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

10.1111/faf.12128, <http://www.ecomarres.com/downloads/FishinSea.pdf>

## 2. Global Seafood Trade Flows and Developing Economies: Insights from Linking Trade to Production.

R. A. Watson, R. Nichols, V. W. Y. Lam, U. R. Sumaila, (2017). *Marine Policy* 82, 41-49.

global seafood trade; global fisheries; seafood value; developing nations; access agreements

, <http://www.ecomarres.com/downloads/Trade2.pdf>

## 3. A Database of Global Marine Commercial, Small-Scale, Illegal and Unreported Fisheries Catch 1950-2014.

R. Watson, (2017). *Nature Scientific Data* 4,

10.1038/sdata.2017.39, <http://www.ecomarres.com/downloads/scidata.pdf>

## 4. Reconciling Fisheries Catch and Ocean Productivity

C. A. Stock, J. G. John, R. R. Rykaczewski, R. G. Asch, W. W. L. Cheung, J. P. Dunne, K. D. Friedland, V. W. Y. Lam, J. L. Sarmiento, R. A. Watson, (2017). *PNAS* 114, E1441-E1449.

10.1073/pnas.1610238114, <http://www.ecomarres.com/downloads/CatchProduction.pdf>

## 5. Drivers of Fuel Use in Rock Lobster Fisheries

R. Parker, C. Gardner, B. S. Green, K. Hartmann, R. A. Watson, (2017). *ICES Journal of Marine Science*,

energy, fisheries, fuel, greenhouse gas emissions, lobster.

10.1093/icesjms/fsx024, <http://www.ecomarres.com/downloads/lobsterfuel.pdf>

## 6. Improving Understanding of Fisheries Functional Diversity by Exploring the Influence of Global Catch Reconstruction

K. L. Nash, R. A. Watson, B. S. Halpern, E. A. Fulton, J. L. Blanchard, (2017). *Nature Scientific Reports* 7,

Global Fisheries; sustainability; planetary boundaries; marine ecology; policy

10.1038/s41598-017-10723-1, <http://www.ecomarres.com/downloads/Functional.pdf>

## 7. Planetary Boundaries for a Blue Planet

K. L. Nash, C. Cvitanovic, E. A. Fulton, B. S. Halpern, E. J. Milner-Gulland, R. A. Watson, J. L. Blanchard, (2017). *Nature Ecology and Evolution* 1,

Global Fisheries; marine ecology; functional traits; ecosystems; resilience; database

10.1038/s41559-017-0319-z,

## 8. Widely Used Marine Seismic Survey Air Gun Operations Negatively Impact Zooplankton

R. D. McCauley, R. D. Day, K. M. Swadling, Q. P. Fitzgibbon, R. A. Watson, J. M. Semmens, (2017). *Nature Ecology and Evolution* 1,

seismic; zooplankton; marine; ecosystems; impacts

10.1038/s41559-017-0195, <http://www.ecomarres.com/downloads/seismic.pdf>

### **9. Farming and the Geography of Nutrient Production for Human Use**

M. Herrero, P. K. Thornton, B. Power, J. Bogard, R. Remans, S. Fritz, J. Gerber, G. C. Nelson, L. See, K. Waha, R. A. Watson, P. West, L. Samberg, J. van de Steeg, E. Stephenson, M. van Wijk, P. Havlik, (2017). *Lancet Planetary Health* 1, e33–42.

Global Fisheries; nutrition; biodiversity

, <http://www.ecomarres.com/downloads/Nutrition.pdf>

### **10. Assessing the Environmental Impacts of Seafood as Part of a Sustainable Diet**

A. Farmery, S. Jennings, C. Gardner, R. A. Watson, B. Green, (2017). *Fish and Fisheries* 18, 607–618.

aquaculture, food, greenhouse gas emissions, life cycle assessment, nutrition, wild-capture

10.1111/faf.12205, <http://www.ecomarres.com/downloads/seafooddiet.pdf>

### **11. Naturalness as a Basis for Incorporating Marine Biodiversity into Life Cycle Assessment of Seafood.**

A. K. Farmery, S. Jennings, C. Gardner, R. A. Watson, B. Green, (2017). *The International Journal of Life Cycle Assessment*,

Life cycle assessment, biodiversity, land use, sea floor, seawater column, seafood, hemeroby, naturalness

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### **12. Considering Land-Sea Interactions and Trade-Offs for Food and Biodiversity**

R. S. Cottrell, A. Fleming, E. A. Fulton, K. L. Nash, R. A. Watson, J. L. Blanchard, (2017). *Global Change Biology*,

Land-sea, interactions, trade-offs, food production, food security, biodiversity, sustainable development

10.1111/gcb.13873, <http://www.ecomarres.com/downloads/Interface.pdf>

### **13. Continental-Scale Hotspots of Pelagic Fish Abundance Inferred from Commercial Catch Records**

P. Bouchet, J. Meeuwig, Z. Huang, T. Letessier, S. Nichol, R. A. Watson, (2017). *Global Ecology and Biogeography*, 1-14.

submarine canyon, marine protected areas, pelagic fish, hotspot, topography, geomorphometrics, spatial modelling, random forest, catch standardisation

10.1111/geb.12619, <http://www.ecomarres.com/downloads/Canyon.pdf>

### **14. Linked Sustainability Challenges and Trade-Offs among Fisheries, Aquaculture and Agriculture**

J. L. Blanchard, R. A. Watson, E. A. Fulton, R. S. Cottrell, K. L. Nash, A. Bryndum-Buchholz, M. Büchner, D. A. Carozza, W. Cheung, J. Elliott, L. N. K. Davidson, N. K. Dulvy, J. P. Dunne, T. D. Eddy, E. Galbraith, H. K. Lotze, O.

Maury, C. Muller, D. P. Tittensor, S. Jennings, (2017). *Nature Ecology and Evolution* 1, 1240–1249.

fisheries;sustainability;Food security;global;agriculture

10.1038/s41559-017-0258-8, <http://www.ecomarres.com/downloads/NEE2.pdf>

### 15. Global Fishing Capacity and Fishing Effort from 1950–2012

J. D. Bell, R. A. Watson, Y. Ye, (2017). *Fish and Fisheries* 18, 489–505.

Fisheries management; fishing power; fishing energy use; fishing efficiency; global

10.1111/faf.12187, <http://www.ecomarres.com/downloads/Effort3.pdf>

### 16. Global Fishing Capacity and Fishing Effort from 1950–2012 Corrigendum

J. D. Bell, R. A. Watson, Y. Ye, (2017). *Fish and Fisheries* 18, 792-793.

Fisheries management; fishing power; fishing energy use; fishing efficiency; global

10.1111/faf.12234, [http://www.ecomarres.com/downloads/Effort3\\_correction.pdf](http://www.ecomarres.com/downloads/Effort3_correction.pdf)

### 17. Provenance of Global Seafood

R. A. Watson, B. S. Green, S. Tracey, A. Farmery, T. J. Pitcher, (2016). *Fish and Fisheries* 17, 585-595.

Export, import, mapping, Seafood consumption, provenance, seafood

10.1111/faf.12129, <http://www.ecomarres.com/downloads/Provenance.pdf>

### 18. Marine Foods Sourced from Farther as Their Use of Global Ocean Primary Production Increases.

R. A. Watson, G. Nowara, K. Hartmann, B. S. Green, S. Tracey, C. G. Carter, (2015). *Nature communications* 6,

Seafood consumption; seafood production; Food security; Global Fisheries; Aquaculture

10.1038/ncomms8365, <http://www.ecomarres.com/downloads/Farther.pdf>

### 19. Species Traits and Climate Velocity Explain Geographic Range Shifts in an Ocean Warming Hotspot

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

10.1111/ele.12474, <http://www.ecomarres.com/downloads/Range.pdf>

### 20. Winners and Losers in a World Where the High Seas Is Closed to Fishing.

U. R. Sumaila, W. Y. Lam, D. D. Miller, L. Teh, R. A. Watson, D. Pauly, D. Zeller, W. W. L. Cheung, I. M. Côté, A. D. Rogers, C. M. Roberts, E. Sala, (2015). *Nature Scientific Reports* 5,

Global Fisheries, high seas, Exclusive Economic Zones, tuna

10.1038/srep08481, <http://www.ecomarres.com/downloads/openocean.pdf>

## 21. Environmental and Economic Dimensions of Fuel Use in Australian Fisheries

R. W. R. Parker, K. Hartmann, B. S. Green, C. Gardner, R. A. Watson, (2015). *Journal of Cleaner Production* 87, 78-86.

Fuel, australia, Fisheries, Fisheries, Fuel, Fuel consumption, Carbon footprint, Life cycle assessment, Oil prices

10.1016/j.jclepro.2014.09.081, [http://www.ecomarres.com/downloads/Fuel\\_Parker.pdf](http://www.ecomarres.com/downloads/Fuel_Parker.pdf)

## 22. Fishing Access Agreements and Harvesting Decisions of Host and Distant Water Fishing Nations

R. Nichols, S. Yamazaki, S. Jennings, R. A. Watson, (2015). *Marine Policy* 54, 77–85.

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

10.1016/j.marpol.2014.12.019, <http://www.ecomarres.com/downloads/access.pdf>

## 23. Is Fisheries Production within Large Marine Ecosystems Determined by Bottom-up or Top-Down Forcing?

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

10.1111/faf.12082, <http://www.ecomarres.com/downloads/Production.pdf>

## 24. When Is a Fishery Sustainable?

R. Hilborn, E. A. Fulton, B. S. Green, K. Hartmann, S. R. Tracey, R. A. Watson, (2015). *Canadian Journal Fisheries and Aquatic Sciences* 72, 1433-1441.

sustainability; Global Fisheries; Fisheries management; stock assessment

10.1139/cjfas-2015-0062, <http://www.ecomarres.com/downloads/Sustainable.pdf>

## 25. Life Cycle Assessment of Wild Capture Prawns: Expanding Sustainability Considerations in the Australian Northern Prawn Fishery.

A. Farmery, C. Gardner, B. Green, S. Jennings, R. Watson, (2015). *Journal of Cleaner Production* 87, 96-104.

Northern prawn fishery, Banana and tiger prawn, Shrimp trawling, Greenhouse gas emissions, Sustainable seafood, LCA, prawn, shrimp, trawling

10.1016/j.jclepro.2014.10.063, [http://www.ecomarres.com/downloads/NPF\\_LCA.pdf](http://www.ecomarres.com/downloads/NPF_LCA.pdf)

## 26. Domestic or Imported? An Assessment of Carbon Footprints and Sustainability of Seafood Consumed in Australia

A. K. Farmery, B. G. Green, S. Jennings, R. A. Watson, C. Gardner, (2015). *Environmental Science & Policy* 54, 35-43.

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

, [http://www.ecomarres.com/downloads/Anna\\_Seafood.pdf](http://www.ecomarres.com/downloads/Anna_Seafood.pdf)

## 27. Reinventing Residual Reserves in the Sea: Are We Favouring Ease of Establishment over Need for

## Protection?

R. Devillers, R. L. Pressey, A. Grech, J. N. Kittinger, G. J. Edgar, T. Ward, R. Watson, (2015). *Aquatic Conservation* 25, 480-504.

marine protected areas; mpa; residual reserves; global

10.1002/aqc.2445, <http://www.ecomarres.com/downloads/aqc1.pdf>

## 28. The Global Ocean Is an Ecosystem: Simulating Marine Life and Fisheries

V. Christensen, M. Coll, J. Buszowski, W. W. L. Cheung, T. L. Frölicher, J. Steenbeek, C. A. Stock, R. A. Watson, C. J. Walters, (2015). *Global Ecology and Biogeography* 24, 507–517.

Ecosystem model; end-to-end model; fish biomass trends; fish catches; food security; model tuning; seafood production; world ocean

10.1111/geb.12281, <http://www.ecomarres.com/downloads/globalocean.pdf>

## 29. Primary Productivity Demands of Global Fishing Fleets

R. Watson, D. Zeller, D. Pauly, (2014). *Fish and Fisheries* 15, 231-241.

primary production; Large Marine Ecosystem; LME; global fishing fleets; marine fishing

10.1111/faf.1201, <http://www.ecomarres.com/downloads/ppr.pdf>

## 30. The Global Contribution of Forage Fish to Marine Fisheries and Ecosystems

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

10.1111/f, <http://www.ecomarres.com/downloads/ForageFish.pdf>

## 31. Energy Prices and (Sea)Food Security

N. Pellitier, J. André, A. Charef, D. Damalas, B. Green, R. Parker, R. Sumaila, G. Thomas, R. Tobin, R. Watson, (2014). *Global Environmental Change* 24, 30-41.

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

101016/jgloenvcha201311014, <http://www.ecomarres.com/downloads/Fuel2.pdf>

## 32. Tropical Marginal Seas: Priority Regions for Managing Marine Biodiversity and Ecosystem Function

A. D. McKinnon, A. Williams, J. Young, D. Ceccarelli, P. Dunstan, R. J. W. Brewin, R. Watson, R. Brinkman, M. Cappo, S. Duggan, R. Kelley, K. Ridgway, D. Lindsay, D. Gledhill, T. Hutton, A. Richardson, J., (2014). *Annual Review of Marine Science* 6, 1-23.

coral reef; fisheries; pelagic; deep sea; transboundary management

10.1146/annurev-marine-010213-135042, <http://www.ecomarres.com/downloads/Marginal.pdf>

**33. Where the Waters Meet: Sharing Ideas and Experiences between Inland and Marine Realms to Promote Sustainable Fisheries Management.**

S. J. Cooke, R. Arlinghaus, D. M. Bartley, T. D. Beard, I. G. Cowx, T. E. Essington, O. P. Jensen, A. Lynch, W. W. Taylor, R. Watson, (2014). *Canadian Journal of Fisheries and Aquatic Sciences* 71, 1593-1601.

fisheries management,freshwater,inland fisheries,global fisheries,marine fisheries,sustainability

10.1139/cjfas-2014-0176, <http://www.ecomarres.com/downloads/fresh1.pdf>

**34. Defining and Observing Stages of Climate-Mediated Range Shifts in Marine Systems.**

A. E. Bates, G. Pecl, S. Frusher, A. J. Hobday, T. Wernberg, D. A. Smale, J. M. Sunday, R. K. Colewell, N. Dulvy, G. J. Edgar, M. Feng, E. A. Fulton, N. Hill, N. Holbrook, B. T. Radford, D. Slawinski, P. A. Thompson, R. A. Watson, (2014). *Global Environmental Change* 26, 27-38.

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

10.1016/j.gloenvcha.2014.03.009, <http://www.ecomarres.com/downloads/Stages.pdf>

**35. Fishing Down the Deep: Accounting for within-Species Changes in Depth of Fishing.**

R. A. Watson, T. Morato, (2013). *Fisheries Research* 140, 63-65.

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

10.1016/j.fishres.2012.12.004, <http://www.ecomarres.com/downloads/deeper2.pdf>

**36. Coastal Catch Transects as a Tool for Studying Global Fisheries**

R. Watson, D. Pauly, (2013). *Fish and Fisheries* 15, 445-455.

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

10.1111/faf.1202, <http://www.ecomarres.com/downloads/transect.pdf>

**37. The Changing Face of Global Fisheries - the 1950s Vs. The 2000s**

R. Watson, D. Pauly, (2013). *Marine Policy* 42, 1-4.

global fisheries; marine; change; history

10.1016/j.marpol.2013.01.022, <http://www.ecomarres.com/downloads/cartogram.pdf>

**38. Global Marine Yield Halved as Fishing Intensity Redoubles**

R. A. Watson, W. W. L. Cheung, J. A. Anticamara, R. U. Sumaila, D. Zeller, D. Pauly, (2013). *Fish and Fisheries* 14, 493-503.

fishing effort; fishing intensity; spatial expansion; yield

10.1111/j.1467-2979.2012.00483.x, <http://www.ecomarres.com/downloads/cpue.pdf>

**39. Ecosystem Model of Tasmanian Waters Explores Impacts of Climate-Change Induced Changes in Primary Productivity**

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

climate-induced changes; climate change; marine; ecosystem model; primary productivity

10.1016/j.ecolmodel.2012.05.008, <http://www.ecomarres.com/downloads/CERF.pdf>

#### 40. **Response to Removing Biases in Forecasts of Fishery Status**

U. T. Srinivasan, W. W. L. Cheung, R. Watson, U. R. Sumaila, (2013). *Journal of Bioeconomics* 16, 221-222.

overfishing; fisheries management; depletion; sustainability

10.1007/s10818-013-9160-x, <http://www.ecomarres.com/downloads/Bias2.pdf>

#### 41. **China's Distant Water Fisheries in the 21st Century.**

D. Pauly, D. Belhabib, R. Blomeyer, W. Cheung, A. Cisneros-Montemayor, D. Copeland, S. Harper, V. Lam, Y. Mai, F. Le Manach, H. Österblom, K. Mok, L. van der Meer, A. Sanz, S. Shon, U. Sumaila, W. Swartz, R. Watson, Y. Zhai, D. Zeller, (2013). *Fish and Fisheries* 15, 474-488.

China; distant water; fishing; history

10.1111/faf.12032, <http://www.ecomarres.com/downloads/China2.pdf>

#### 42. **Exploring Patterns of Seafood Provision Revealed in the Global Ocean Health Index.**

K. M. Kleisner, C. Longo, M. Coll, B. S. Halpern, D. Hardy, S. K. Katona, F. Le Manach, D. Pauly, A. A. Rosenberg, S. F. Samhuri, C. Scarborough, U. R. Sumaila, R. Watson, D. Zeller, (2013). *AMBIO: a Journal of the Human Environment* 42, 910-992.

indicator; status; assessment; ocean health; global

10.1007/s13280-013-0447-x, [http://www.ecomarres.com/downloads/SF\\_Ambio.pdf](http://www.ecomarres.com/downloads/SF_Ambio.pdf)

#### 43. **Global Reductions in Seafloor Biomass in Response to Climate Change**

D. O. B. Jones, A. Yool, C. Wei, S. A. Henson, H. A. Ruhl, R. A. Watson, M. Gehlen, (2013). *Global Change Biology* 20, 1861–1872.

benthic; climate change; seafloor

4101111/gcb12480, <http://www.ecomarres.com/downloads/Benthic.pdf>

#### 44. **Signature of Ocean Warming in Global Fisheries Catch.**

W. W. L. Cheung, R. Watson, D. Pauly, (2013). *Nature* 497, 365-368.

climate change; ocean warming; global; fisheries

10.1038/nature12156, <http://www.ecomarres.com/downloads/warm.pdf>

#### 45. **Global Ex-Vessel Fish Price Database Revisited: A New Approach for Estimating ‘Missing’ prices**

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

price; value; global marine fisheries

10.1007/s10640-012-9611, <http://www.ecomarres.com/downloads/fishprice.pdf>

#### 46. **Impact of the Deepwater Horizon Well Blowout on the Economics of U.S. Gulf Fisheries**

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

10.1139/F2011-171, <http://www.ecomarres.com/downloads/GulfSpill2.pdf>

#### 47. **Benefits of Rebuilding Global Marine Fisheries Outweigh Costs.**

U. R. Sumaila, W. Cheung, A. Dyck, K. Gueye, L. Huang, V. Lam, D. Pauly, U. Srinivasan, W. Swartz, R. Watson, D. Zeller, (2012). *PLoS One* 7,

global fisheries; marine; rebuilding; costs

10.1371/journal.pone.0040542, <http://www.ecomarres.com/downloads/Benefits.pdf>

#### 48. **Global Fisheries Losses at the Exclusive Economic Zone Level, 1950 to Present**

U. T. Srinivasan, R. Watson, U. R. Sumaila, (2012). *Marine Policy* 36, 544-549.

overfishing; fisheries management; depletion; sustainability

10.1016/j.marpol.2011.10.001, <http://www.ecomarres.com/downloads/Loss3.pdf>

#### 49. **Sustainability of Deep-Sea Fisheries**

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

10.1016/j.marpol.2011.06.008, <http://www.ecomarres.com/downloads/deepsea.pdf>

#### 50. **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

10.1111/j.1466-8238.2011.00697.x, <http://www.ecomarres.com/downloads/Med2Coll.pdf>

#### 51. **Shrinking of Fishes Exacerbates Impacts of Global Ocean Changes on Marine Ecosystems**

W. W. L. Cheung, J. L. Sarmiento, J. Dunne, T. L. Frölicher, V. W. Y. Lam, M. L. D. Palomares, R. Watson, D. Pauly, (2012). *Nature Climate Change*,



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

10.1038/NCLIMATE1691, <http://www.ecomarres.com/downloads/size.pdf>

## **52. Comparison of Marine Spatial Planning Methods in Madagascar Demonstrates Value of Alternative Approaches**

T. F. Allnutt, T. R. McClanahan, S. Andréfouët, M. Baker, E. Lagabriele, C. McClennen, A. J. M. Rakotomanjaka, T. F. Tianarisoa, R. Watson, C. Kremen, (2012). *PloS one* 7, e28969.

marine spatial planning; Madagascar; MPA

10.1371/journal.pone.0028969, <http://www.ecomarres.com/downloads/Madagascar.pdf>

## **53. Modelling the Effects of Fishing on the Biomass of the World's Oceans from 1950 to 2006**

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>

## **54. 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.

oil spill; Gulf of Mexico; shrimp; closures

, <http://www.ecomarres.com/downloads/Gulf.pdf>

## **55. Protected and Threatened Components of Fish Biodiversity in the Mediterranean Sea.**

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>

## **56. Construction and First Applications of a Global Cost of Fishing Database**

V. W. Y. Lam, U. R. Sumaila, A. Dyck, D. Pauly, R. Watson, (2011). *ICES Journal of Marine Science: Journal du Conseil* 68, 1996-2004.

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

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## **57. High Value and Long Life—Double Jeopardy for Tunas and Billfishes**

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.

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subsidies; high seas; deep-sea fisheries; sustainability

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U. T. Srinivasan, W. W. L. Cheung, R. Watson, U. R. Sumaila, (2010). *Journal of Bioeconomics* 12, 183-200.

value loss; protein; nourishment; global

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seamount; fisheries; trawling

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cephalopod; invertebrates; global; marine; fisheries

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S. H. M. Butchart, W. Walpole, B. Collen, A. van Strien, R. E. A. Almond, J. E. M. Baillie, B. Bomhard, C. Brown, J. Bruno, G. M. Carr, A. Chenery, J. Csirke, N. C. Davidson, M. Foster, A. Galli, J. N. Galloway, P. Genovesi, R. Gregory, M. Hockings, V. Kapos, J. Lamarque, F. Leverington, J. Loh, M. A. McGeoch, L. McRae, A. Minasyan, M. H. Morcillo, T. Oldfield, D. Pauly, S. Quader, C. Revenga, J. Sauer, J. P. W. Scharlemann, B. Skolnik, D. Spear, D. Stanwell-Smith, A. Symes, M. Tierney, T. R. Tyrrell, J. Vié, R. Watson, (2010). *Science* 328, 1164-1168.

global; biodiversity; marine

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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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Marine Trophic Index; trophic level; global marine; catch; ecosystems

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subsidy; global fishing; fuel; price

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landed values; catches; price; mapping; temporal applications

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subsidy; global fisheries; WTO

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global catch; threat; vulnerability

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marine biodiversity; value; biodiversity; services; global

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fishing gear; database; catch; trawl; dredge

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deep-sea; deep-water fisheries; threat; global trends; global

1467-2979, <http://www.ecomarres.com/downloads/fishdeep.pdf>

#### 95. **Mapping World-Wide Distributions of Marine Mammal Species Using a Relative Environmental Suitability (Res) Model**

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spatial modeling; habitat prediction; RES; habitat suitability

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Y. Ye, N. Loneragan, D. Die, R. Watson, B. Harch, (2005). *Fisheries research* 73, 231-249.

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internet; catch; global

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fuel; energy; global fleets

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fisheries landings; fisheries statistics; global fisheries; mapping

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global; biodiversity; catch scenario; energy; fuel

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V. Christensen, S. Guenette, J. J. Heymans, C. J. Walters, R. Watson, D. Zeller, D. Pauly, (2003). *Fish and fisheries* 4, 1-24.

Ecopath; saup; biomass decline; ecosystem modelling; Atlantic; predatory fish

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bycatch; IUU; illegal; catch

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marine protected areas; ecological models; Ecosim; Ecopath; marine reserves; MPA

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shrimp; prawn; model; optimisation; fisheries

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R. A. Watson, T. J. Quinn II, (1997). *Ecological Modelling* 104, 103-112.

visual census; transect; dive; census; model; simulation; coral reef

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R. Watson, C. T. Turnbull, K. J. Derbyshire, (1996). *Marine and freshwater research* 47, 77-85.

shrimp; recruitment; model; Australia

1448-6059, <http://www.ecomarres.com/downloads/PrawnRecruitment.pdf>

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R. A. Watson, V. R. Restrepo, (1995). *ICES Marine Science Symposia* 199, 391-398.

shrimp; model; optimisation; closures; prawn

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transect; diver; survey; model; simulation; coral reef

0304-3800, <http://www.ecomarres.com/downloads/Bias.pdf>

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model; shrimp; simulation; optimisation; fleet; model; prawn; Australia; Torres Strait

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shrimp; value; yield; seagrass; Australia; model; simulation; prawn

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prawn; shrimp; Torres Strait; Australia; migration; growth; tiger prawn; endeavour prawn

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seagrass; shrimp; habitat prediction; Australia

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**118. Sledges for Daytime Sampling of Juvenile Penaeid Shrimp**

C. T. Turnbull, R. A. Watson, (1992). *Fisheries research* 14, 31-40.

shrimp; prawn; sampling; juvenile; seagrass

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D. J. Die, R. A. Watson, (1992). *Mathematics and computers in simulation* 33, 451-456.

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**120. A Per-Recruit Simulation Model for Evaluating Spatial Closures in an Australian Penaeid Fishery**

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**122. Spatial and Seasonal Variation in Demersal Trawl Fauna Associated with a Prawn Fishery on the Central Great Barrier Reef, Australia**

R. Watson, M. L. C. Dredge, D. G. Mayer, (1990). *Marine and Freshwater Research* 41, 65-77.

bycatch; trawl; shrimp; Australia; coral reef; GBR

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**123. Velvet Prawns (*Metapenaeopsis* Spp) of Torres Strait, Queensland, Australia**

R. A. Watson, J. Keating, (1989). *Asian Fish. Sci* 3, 45-56.

shrimp; prawn; Torres Strait; Australia; velvet prawn; biology; recruitment; reproduction

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coral reef; GBR; MPA; Australia; bycatch

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R. J. G. Lester, R. A. Watson, (1985). *J. Fish Biol.* 27, 307-318.

trawl; Hong Kong; China; growth; mortality; parasitology; yield; bigeye

, <http://www.ecomarres.com/downloads/Priacanth.pdf>

**126. The Life Cycle and Morphology of Tetracerasta Blepta, Gen. Nov. Sp. Nov. And Stegodexamene Callista, Sp. Nov. (Trematoda: Lepocreadiidae) from the Long Finned Eel, Anguilla Reinhardtii Steindachner.**

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parasitology; Australia; trematode; lifecycle

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**127. Metazoan Parasites of Pike, Esox Lucius Linnaeus, from Southern Indian Lake, Manitoba, Canada.**

R. A. Watson, T. A. Dick, (1980). *J. Fish Biol.* 17, 225-261. .

pike; freshwater; impacts; parasitology; Canada

, <http://www.ecomarres.com/downloads/Metazoan2.pdf>

**128. The Metazoan Parasites of Whitefish Coregonus Clupeaformis and Cisco C. Artedii from Southern Indian Lake, Manitoba.**

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**129. The Whitefish Pike Parasite Triaenophorus Crassus**

T. A. Dick, R. A. Watson, (1977). *Manitoba Nat.* 17, 26-31.

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prawn, shrimp, management, Western Australia, Australia, model, migration

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seabird, impacts, global, diet, overlap

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seabird, diet, overlap, fisheries, global

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biomass, Africa, demersal, pelagic

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biodiversity, fisheries, impacts, global, ecological impact

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China, distant water, fisheries, global, IUU

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spatial expansion, EU, effort, fleet, global

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landings, global

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value, price, landings

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indicator

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distribution, mapping

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climate change, catch

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biodiversity, fisheries, invertebrate

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biodiversity, climate change

1198-6727, <http://www.ecomarres.com/downloads/regional.pdf>

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shark, global, saup

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fisheries, global

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costs, fishing, database

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mapping, impacts, biodiversity, Indian Ocean, conservation

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statistics, landings

1198-6727, <http://www.ecomarres.com/downloads/fcr16-7.pdf>

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distribution, marine fishes, invertebrates

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modelling, seasonal, distribution, pelagic, marine fishes, squids

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biodiversity, economics, ecosystem

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