

## **Selected Publications: D. Zeller**

### **Articles in refereed journals:**

- Christensen, V., Walters, C., Ahrens, R., Alder, J., Buszowski, J., Christensen, L., Cheung, W.L., Dunne, J., Froese, R., Karpouzi, V., Kastner, K., Kearney, K., Lai, S., Lam, V., Palomares, D., Peters-Mason, A., Piroddi, C., Sarmiento, J.L., Steenbeek, J., Sumaila, R.U., Watson, R., **Zeller, D.** and Pauly, D. (2009) Database-driven models of the world's large marine ecosystems. *Ecological Modelling* 220: 1984-1996.
- Mora, C., Myers, R.A., Coll, M., Libralato, S., Pitcher, T.J., Sumaila, R.U., **Zeller, D.**, Watson, R., Gaston, K.J. and Worm, B. (2009) Management effectiveness of the world's marine fisheries. *PLoS Biology* 7: 1-11.
- Worm, B., Hilborn, R., Baum, J.K., Branch, T., Collie, J.S., Costello, C., Fogarty, M.J., Fulton, E.A., Hutchings, J.A., Jennings, S., Jensen, O.P., Lotze, H.K., Mace, P.M., McClanahan, T.R., Minto, C., Palumbi, S.R., Parma, A.M., Ricard, D., Rosenberg, A.A., Watson, R. and **Zeller, D.** (2009) Rebuilding global fisheries. *Science* 325: 578-585.
- Jacquet, J.L., Alava, J.J., Ganapathiraju, P., Henderson, S. and **Zeller, D.** (2008) In hot soup: sharks captured in Ecuador's waters. *Environmental Sciences* 5: 269-283.
- Zeller, D.**, Darcy, M., Booth, S., Lowe, M.K. and Martell, S.J. (2008) What about recreational catch? Potential impact on stock assessment for Hawaii's bottomfish fisheries. *Fisheries Research* 91: 88-97.
- Sumaila, U.R., Khan, A., Watson, R., Munro, G., **Zeller, D.**, Baron, N. and Pauly, D. (2007). The World Trade Organization and global fisheries sustainability. *Fisheries Research* 88:1-4
- Sumaila UR, **Zeller D**, Watson R, Alder J, Pauly D (2007) Potential costs and benefits of marine reserves in the high seas. *Mar Ecol Prog Ser* 345:305-310
- Teh L, **Zeller D**, Cabanban A, Teh L, Sumaila UR (2007) Seasonality and historic trends in the reef fisheries of Pulau Banggi, Sabah, Malaysia. *Coral Reefs* 26:251-263
- Zeller, D.**, Booth, S., Davis, G. and Pauly, D. (2007) Re-estimation of small-scale fisheries catches for U.S. flag island areas in the Western Pacific: The last 50 years. *Fisheries Bulletin* 105:266-277.
- Zeller, D.**, Booth, S. and Pauly, D. (2006) Fisheries contributions to GDP: Underestimating small-scale fisheries in the Pacific. *Marine Resource Economics* 21: 355-374.
- Zeller, D.**, Booth, S., Craig, P. and Pauly, D. (2006) Reconstruction of coral reef fisheries catches in American Samoa, 1950-2002. *Coral Reefs* 25: 144-152.
- Booth, S. and **Zeller, D.** (2005) Mercury, food webs and marine mammals: implications of diet and climate change on human health. *Environmental Health Perspectives* 113: 521-526.
- Zeller, D.** and Pauly, D. (2005) Good news, bad news: Global fisheries discards are declining, but so are total catches. *Fish and Fisheries* 6: 156-159.
- Zeller, D.**, Froese, R. and Pauly, D. (2005) On losing and recovering fisheries and marine science data. *Marine Policy* 29: 69-73.
- Zeller, D.** and Pauly, D. (2004) The future of fisheries: from 'exclusive' resource policy to 'inclusive' public policy. *Marine Ecology Progress Series* 274: 295-303.
- Zeller, D.** and Russ, G. (2004) Are fisheries "sustainable"? A counterpoint to Steele and Hoagland. *Fisheries Research* 67: 241-145.
- Zeller, D.** and Reinert, J. (2004) Modelling spatial closures and fishing effort restrictions in the Faroe Islands marine ecosystem. *Ecological Modelling* 172: 403-420.
- Christensen, V., Guénette, S., Heymans, J.J., Walters, C.J., Watson, R., **Zeller, D.** and Pauly, D. (2003) Hundred-year decline of North Atlantic predatory fishes. *Fish and Fisheries* 4: 1-24.
- Russ, G.R. and **Zeller, D.** (2003) From *Mare Liberum* to *Mare Reservarum*. *Marine Policy* 27: 75-78.
- Zeller, D.**, Stoute, S.L. and Russ, G.R. (2003) The movement of reef fishes across marine reserve boundaries: effects of manipulating a density gradient. *Marine Ecology Progress Series* 254: 269-280.
- Alder, J., Sumaila, U.R., **Zeller, D.C.** and Pitcher, T.J. (2002) A method for evaluating marine protected area management. *Coastal Management* 30: 121-131.
- Pauly, D., Christensen, V., Guénette, S., Pitcher, T.J., Sumaila, U.R., Walters, C.J., Watson, R. and **Zeller, D.** (2002) Towards sustainability in world fisheries. *Nature* 418: 689-695.
- Zeller, D.** and Pauly, D. (2001) Visualisation of standardised life history patterns. *Fish and Fisheries* 2: 344-355.
- Zeller, D.** and Russ, G.R. (2000) Population estimates and size structure of *Plectropomus leopardus* (Pisces: Epinephelinae): Mark-Release-Resighting. *Marine and Freshwater Research* 51: 221-228.

- Zeller, D.** and Pauly, D. (2000) How life history patterns and depth zone analysis can help fisheries policy. pp. 54-63 in Pauly, D. and Pitcher, T.J., editors. *Methods for evaluating the impacts of fisheries on North Atlantic ecosystems*. Fisheries Centre Research Reports 8(2), Vancouver.
- Zeller, D.** (1999) Ultrasonic telemetry: Application in coral reef fisheries research. *Fishery Bulletin* 97: 1058-1065.
- Zeller, D.** (1998) Spawning aggregations: Patterns of movement of the coral trout *Plectropomus leopardus* (Serranidae) as determined by ultrasonic telemetry. *Marine Ecology Progress Series* 162: 253-263.
- Zeller, D.** and Russ, G.R. (1998) Marine reserves: Patterns of adult movement of the coral trout *Plectropomus leopardus* (Serranidae). *Canadian Journal of Fish and Aquatic Sciences* 55: 917-924.
- Zeller, D.** (1997) Home range and activity patterns of the coral trout *Plectropomus leopardus* (Serranidae). *Marine Ecology Progress Series* 154: 65-77.

### **Book chapters**

- Engelman, R., Pauly, D., **Zeller, D.**, Prinn, R.G., Pinnegar, J.K. and Polunin, N.V.C. (2008) Climate, people, fisheries and aquatic ecosystems pp. 1-15 in Polunin, N.V.C., (ed). *Aquatic Ecosystems: Trends and global prospects*. Cambridge University Press, Cambridge.
- Zeller, D.** (2005) From *Mare Liberum* to *Mare Reservatum*: Canada's opportunity for global leadership in ocean resource governance. pp. 1-18 in Chircop, A. and McConnell, M., editors. *Ocean Yearbook*. University of Chicago Press, Chicago.
- O'Dor, R.K., Aitken, J.P., Bolden, S., Babcock, R.C., Seinto, S., **Zeller, D.C.** and Jackson, G. (2001) Using radio-acoustic positioning and telemetry (RAPT) to define and assess marine protected areas (MPAs). pp. 147-166 in Siebert, J.R. and Nielsen, J.R., editors. *Electronic Tagging and Tracking in Marine Fisheries*. Kluwer Academic Publishers, Netherlands.

### **Editorship**

- Zeller, D.** and Pauly, D. (Editors) 2007. Reconstruction of marine fisheries catches for key countries and regions (1950-2004). *Fisheries Centre Research Reports* 15(2), 163 pp..
- Makaiau, J., Dalzell, P., DiNardo, G., Alexander, C., Fougner, S. and **Zeller, D.** (Editors) 2006. *Ecosystem Science and Management Planning Workshop: Development of Ecosystem-based Approaches to Marine Resource Management in the Western Pacific Region*. Report for the Western Pacific Regional Fishery Management Council, Honolulu, Hawaii, 157 pp.
- Zeller D.**, Booth, S., Mohammed E. and Pauly D. (editors) 2003. From Mexico to Brazil: Central Atlantic fisheries catch trends and ecosystem models. *Fisheries Centre Research Reports* 11(6), 264 pp.
- Zeller D.**, Watson R. and Pauly D. (Editors) 2001. *Fisheries Impacts on North Atlantic Ecosystems: Catches, effort and national/regional data sets*. *Fisheries Centre Research Reports* 9(3), 254 pp

### **Online**

- Pauly, D. and **Zeller, D.** 2006-2009. [www.seaaroundus.org](http://www.seaaroundus.org) The web-site of the *Sea Around Us* Project, presenting and visualizing data, news and information on the effects of fishing on marine ecosystems and biodiversity.
- Zeller, D.** 2007. Featured Contributor July 31, 2007. *Encyclopedia of Earth*. Eds. Cutler J. Cleveland (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment). [First published August 29, 2006; Last revised September 22, 2006]. [www.eoearth.org](http://www.eoearth.org)
- Pauly, D. and **Zeller, D.** (Lead Authors); Emmett Duffy, J. (Topic Editor). 2006. Marine fisheries. In: *Encyclopedia of Earth*. Eds. Cutler J. Cleveland (Washington, D.C.: Environmental Information Coalition, National Council for Science and the Environment). [First published August 29, 2006; Last revised September 22, 2006]. [www.eoearth.org/article/Marine\\_fisheries](http://www.eoearth.org/article/Marine_fisheries)