

**Daniel Pauly**  
*Curriculum Vitae*

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(<http://www.fisheries.ubc.ca/members/dpauly/>)

[The symbol @ refers to items that are to be updated/completed]

## Summary

Dr. Daniel Pauly was born 1946 in Paris, France. He grew up in the French-speaking part of Switzerland, but completed high school and university studies in the Federal Republic of Germany, where he earned a ‘Diplom’ (= MSc) in 1974 and a Doctorate in Fisheries Biology in 1979 at the University of Kiel. Daniel Pauly is French, but, since 2014, also holds Canadian citizenship.

In 1979, he joined the International Center for Living Aquatic Resources Management (ICLARM), Manila, Philippines, as a Postdoctoral Fellow, gradually assuming increasing responsibilities as Associate Scientist, Senior Scientist and Program/Division Director. The latter positions involved management of and fundraising for what had traditionally been one of ICLARM’s largest and most scientifically visible sets of activities.

Following a study leave to earn his ‘Habilitation’, at Kiel University (1985), Dr. Pauly directed the doctoral theses of a number of students at Kiel’s Institut für Meereskunde (Marine Science Institute), where, as ‘Privatdozent,’ he also taught several courses in fish population dynamics. In 1994, he joined the Fisheries Centre, University of British Columbia (UBC), in Vancouver, Canada, as a tenured Professor, while remaining ICLARM’s Principal Science Advisor until 1997 and the Science Advisor of its FishBase project until 2000. He served as Director of the Fisheries Centre from November 2003 to October 2008.

Since 1999, Dr. Pauly has served as Principal Investigator of the *Sea Around Us* Project, based at the Fisheries Centre, UBC. The project, which is devoted to studying the impact of fisheries on the world’s marine ecosystems, is supported mainly by funds he secured from the Pew Charitable Trusts, Philadelphia, USA, and since 2014, from the Paul G. Allen Family Foundation. Pauly’s scientific output, dedicated mainly to the management of fisheries and to ecosystem modeling, comprises authored and edited books, scientific papers and reports (a total of well over 700 items), as well as the concepts, methods and software he (co-) developed that are in use throughout the world. This includes the Ecopath modeling approach and software (see [www.ecopath.org](http://www.ecopath.org)), FishBase, the online encyclopaedia of fishes (see [www.fishbase.org](http://www.fishbase.org)) and, increasingly, the quantitative results of the *Sea Around Us* Project (see [www.seaaroundus.org](http://www.seaaroundus.org)), notably ‘reconstructed’ catch time series for the marine fisheries of the entire world.

Dr. Pauly is also the recipient of multiple international prizes awards , including seven honorary doctorates from universities in Europe and Canada.

Profiles of Daniel Pauly were published in *Science* on April 19, 2002, *Nature* on Jan. 2, 2003 and March 17, 2015, the *New York Times* on Jan. 21, 2003, the *Globe and Mail* (Canada), October 29, 2005, *Cosmos Magazine* (Australia) in December 2006, and both *Le Monde* and *Libération*, France, March 4 and April 14, 2009, respectively, and other outlets.

## Positions Held

June 2016 to present: University Killam Professor, UBC.

October 1994 to June 2016: Professor of Fisheries, Fisheries Centre, UBC; from July 2015 to present, same, at the Institute for the Oceans and Fisheries (which succeeds the FC).

November 2003 to October 2008: Director, Fisheries Centre, University of British Columbia (UBC) [Acting Director from July to October 2003];

October 1994 to December 1997: Principal Scientific Advisor, International Center for Living Aquatic Resources Management (ICLARM), Manila, Philippines;

1997-December 2000: Scientific Advisor, FishBase Project, ICLARM;  
 July 1986 to September 1994: Director, Resources Assessment and Management Program, ICLARM (later renamed 'Capture Fisheries Management Program,' 'Coastal Resources Systems Program,' and 'Life Science Division');  
 July 1985 to August 1994: Senior Scientist, ICLARM;  
 July 1980 to June 1985: Associate Scientist, ICLARM;  
 July 1979 to June 1980: Post Doctoral Fellow, ICLARM;  
 September 1978 to April 1979: Research Assistant, Department of Fishery Biology, Institute for Marine Sciences, Kiel, Germany;  
 October 1974 to December 1976: Project Assistant, German Society for Technical Cooperation (GTZ), assigned to the Indonesian-German Demersal Fisheries Project, Jakarta and Semarang, Indonesia, May 1975-December 1976.

## Education

Management Course for Senior Staff of Centers in the Consultative Group for International Agricultural Research (CGIAR), Wintergreen, VA, USA, 29 June - 10 July 1992;  
 Habilitation (Marine Sciences), Kiel University (1985);  
 Dr. *rerum naturalis*, Kiel University (1979; *Magna cum laude*)  
 Diplom (Fishery biology, Zoology, Physical Oceanography), K.U. (1974; '*Sehr gut*');  
*Abitur*, Abendgymnasium, Wuppertal (1969).

## Awards received

Date received	Award	Awarding entity/location
Jan. 19, 2017	Scientifique de l'année 2016	Radio Canada, Montréal
Jan. 11, 2017	Ocean Award (Science), shared with Dr. Dirk Zeller	London, United Kingdom
Nov. 22, 2016	Grande Médaille Prince Albert 1 <sup>er</sup> (Section Science)	Albert I Foundation de Monaco/ Paris, France
June 2016	University Killam Professor	Univ. of British Columbia, Vancouver, Canada
July 17, 2015	American Fisheries Society Fellow (induction <i>in absentia</i> )	Portland, OR, USA
May 14, 2015	Peter Benchley Ocean Award (Science)	Washington, D.C., USA
June 19, 2014	Honorary Doctorate	Universidad de Cadiz, Spain
Feb. 15, 2014	Induction as AAAS Fellow	Chicago, IL, USA
2013	Honorary Doctorate	Univ. de Alicante, Spain
2012	Nierenberg Award for Science in the Public Interest	Scripps Institution of . Oceanography. La Jolla, USA
March 8, 2012	Innovative Dissemination of Research Award [for the <i>Sea Around Us</i> website; shared]	UBC Library, Vancouver, Canada
2012	Grand Prix 2011	Society Française d'Ecologie, Paris, France
2010	Honorary Doctorate	Universidade do Algarve, Faro, Portugal

2008	Ramon Margalef Prize in Ecology	Barcelona, Spain
2008	Honorary Doctorate	Wageningen University, The Netherlands
2008	Honorary Doctorate	Katholieke Universiteit Leuven, Belgium
2007	Conservation Award [received on behalf of the FishBase Consortium]	International Game Fish Association, Palm Beach, USA
2007	Ted Danson Ocean Hero Award	Ocean, Los Angeles, USA
2007	Excellence in Ecology Prize	Inter-Research Science Center, Oldendorf/Luhe, Germany
2007	Honorary Doctorate	Université de Montréal, Montréal, Canada
2006	Volvo Environment Prize [shared]	Volvo Foundation, Stockholm
	Zayed International Prize for the Environment	[Awarded to the many authors of the "Millenium Ecosystem Assessment"]-
2005	International Cosmos Prize	Expo '90 Foundation, Osaka, Japan
2005	Honorary Doctorate	Department of Biology, Aristotle University, Thessaloniki, Greece
2005	Edward T. LaRoe III Memorial award	Society of Conservation Biology, Brasilia, Brazil
2004	Roger Revelle Medal	IOC/UNESCO, Paris, France
2004	Award of Excellence	American Fisheries Society, Madison, WI, USA
Dec. 2003	<i>Scientific American's</i> '50 Research Leaders in 2003	USA
2003	Distinguished University Scholar	UBC, Vancouver Canada
2003	Fellow of the Royal Society of Canada	Academy of Science, Canada
2002	Honorary Professor	Kiel University, Germany
2001	Oscar E. Sette Award	Marine Fisheries Section, American Fisheries Society
2001	Murray Newman Award for Excellence in Marine Conservation Research Award	Vancouver Aquarium, Vancouver, Canada
1996	ICLARM Board of Trustees' Award for 'Best Staff'	Manila, Philippines
1988	Elvira O. Tan Memorial Award for Best Paper in Marine Fisheries [shared]	Philippine Council for Aquatic and Marine Research and Development, Manila, Phil.
1979-1980	ICLARM Post-Doctoral Fellowship	Manila, Philippines
1970-1974	Villigst Foundation Fellowship	Lutheran Church Foundation; for 'hochbegabte' (highly gifted) students, Germany

## Major profiles (not updated since 2009)

- Libération* (France), “Il ne laisse rien filet” by Michel Henry, 14 April 2009.
- Le Monde* (France), “Rencontre avec Daniel Pauly, expert mondial de la pêche” by Gaëlle Dupont, March 4, 2009.
- Cosmos Magazine* (Australia), “The Fisher King”, by Peter Calamai, December 2006,
- Globe and Mail* (Canada), “UBC Professor win major Japanese prize”; October 19, 2005;
- Vancouver Sun*: “An A-Z of advanced research in British Columbia” by Nicholas Read. May 14, 2004.
- Scientific American*: “50 for 2003”, December 2003.
- Trek (UBC)*: “Pauly’s Disappearing Fish”, Winter 2003.
- The New York Times*: “Iconoclast Looks for Fish and Finds Disaster” by Carol K. Yoon. January 21, 2003
- Nature*: Lifelines. January 2, 2003.
- Science*: “Going to the Edge to Protect the Sea” by David Malakoff. April 19, 2002.

## Conferences/Workshops organized

- Workshop on Catch Reconstruction for the Philippines, Manila, 3-4 November 2014 [With Dr. M.L.D. Palomares].
- Atelier COMFISH/ELEFAN; Dakar, Senegal, June 3-8, 2013 [With Dr. M.L.D. Palomares].
- Symposium on “Leveling the Global Playing Field: Global Inferences from Reliable Global Samples,” February 19, 2012, Annual Meeting, AAAS, Vancouver, B.C. [With Dr. Kristin Kleisner]
- Too Precious to Drill: the Marine Biodiversity of Belize. International conference on June 28 - July 1, 2011, Biltmore Hotel, Belize City. [With Dr. M.L.D. Palomares]
- FishBase Consortium Annual Meeting and Symposium, September, 4-6, 2006, Fisheries Centre, UBC, Vancouver, BC. [With Dr. M.L.D. Palomares]
- Evaluating Marine and Fisheries Information Needs of NGOs, Aquatic Ecosystem Research Laboratory, UBC, October 5-6, 2005, Vancouver.
- Atelier Ecopath: Elaboration d’un modèle de la zone maritime de Kerguelen. Muséum National d’Histoire Naturelle, Paris, 29-30 Sept. 2003. [With Dr. M.L.D. Palomares].
- International Symposium on “Marine fisheries, Ecosystems, and Societies in West Africa: Half a Century of Change,” Dakar, Senegal, 26-28 June 2002. [With P. Chavance (IRD) and others].
- Symposium on “Fisheries-induced changes in Marine Ecosystems,” February 16, 2002, Annual Meeting, AAAS, Boston, MA.
- Atelier Ecopath : Construction d’un modèle de la Baie du Mont St. Michel, Golfe Normand-Breton. Avril 17-20, 2000, Département Halieutique, École Nationale Supérieure Agronomique de Rennes, France.
- Symposium on “Back to the Future: Restoring Ecosystems Impacted by Fisheries,” February 21, 2000, Annual Meeting, AAAS, Washington, D.C.
- Workshops to present the Prince William Sound Ecosystem Model and the Alaska Marine Ecosystem CD-ROM, March 28 (Alaska Department of Fish and Game) and September 29, 1999 (Exxon Valdez Oil Spill Restoration Council), Anchorage, Alaska.
- ACP/EU International Conference on Ocean Food Webs and Economic Productivity, July 1-3, 1998, Lisbon, Portugal.
- FAO/FC Workshop on the Use of Ecopath with Ecosim to Evaluate Strategies for Sustainable Exploitation of Multi-Species Resources, March, 25-27 1998, Fisheries Centre, UBC.

- Workshop on Modeling the Prince William Sound Ecosystem, March 2-4, 1998, Exxon Valdez Oil Spill Restoration Council, Anchorage, Alaska.
- Workshop on Mass-Balance Models of North Pacific Ecosystems, November 6-10, 1995, Fisheries Centre, University of British Columbia, Vancouver.
- Mid-Term Planning Workshop for ICLARM's Coastal Resources System Program, ICLARM Headquarters, 1-3 October 1992.
- Poster Session on Construction and Comparison of Trophic Models of Aquatic Ecosystems, International Council for the Exploration of the Seas, Copenhagen. October , 4-9, 1990.
- Workshop on Models for Yield Prediction in the Peruvian Upwelling Ecosystem, August 24-28, 1987, IMARPE, Callao, Peru.
- ICLARM/KISR Conference/Workshop on the Theory and Application of Length-Based Methods in Stock Assessment. February 10-15, 1985. Mazara del Vallo, Sicily, Italy.
- Ad hoc Consultation on Fish Stock Assessment in Coral Reefs. ICLARM Headquarters, May 25-26, 1981. Manila, Philippines.
- ICLARM/CSIRO Workshop on the Theory and Management of Tropical Multispecies Stocks. January 12- 21, 1981, Cronulla, Australia.

### **Memberships in editorial boards**

- African Journal of Marine Science*. Editorial Advisory Board Member, 2003 to 2013.
- African J. of Tropical Hydrobiology and Fisheries*. Editorial Board Member, 1995 to 2001;
- Asian Fisheries Science*. Editorial Board Member, 1987 to 1993;
- Boletim do Instituto Português de Investigação Marítima*. Advisory Board Member, 1995.
- Ethics in Science and Environmental Politics*, Editorial Board Member, 2008 to present;
- Fish and Fisheries*, Associate Editor, 1999 to 2009;
- Fishbyte* (Newsletter of the Network of Tropical Fisheries Scientists). Editor, 1988 to 1991; Fishbyte Section of Naga, the ICLARM Quarterly, Editor, 1992-1996;
- Journal of Applied Ichthyology*. Subject Editor for Fisheries in Developing Countries, 1985-1994;
- Marine and Freshwater Research* (formerly *Austr. J. Mar. Freshwat. Res.*), 1997 to 2007.
- Reviews in Fish Biology and Fisheries*, Editorial Board Member, 1991-1999.

### **Memberships in societies/panels**

- American Fisheries Society, 1981 to 1987 and 1995 to present;
- Asian Fisheries Society, 1984 to 1993;
- Asian Fisheries Society Research Fellowship Award Scheme - Scientific Advisor, 1988 to 1993;
- BBVA Foundation Frontier of Knowledge Award (Ecol. & Conservation) – Jury Chair (Jan. 2009 to June 2014);
- British Sub-Aqua Club/Philippine Sub-Aqua Club, 1988 to 1997;
- Coastal Development Centre, Faculty of Fisheries, Kasetsart University, Bangkok. Board of Advisors (2000-2002).
- Centre de Recherche Halieutique Méditerranéenne et Tropicale, Sète, France - Membre du comité scientifique, 2004 to 2008;
- Committee on Ecosystem Management for Sustainable Marine Fisheries, (U.S.) National Research Council (Washington, D.C.), September 1995 to 1998;
- Committee on Marine Science, Pacific Science Association, 1986 to 1988;
- Common Property Resource Network, 1986 to 1997;
- COMPASS/Communication Partnership for Science and the Sea - Science Advisor, 2005 to 2013;
- Deutsche Gesellschaft für Meeresforschung, 1982 to 1994;

EPOMEX (Program of Ecology, Fisheries and Oceanography of Gulf of Mexico (of the Universidad Autonoma de Campeche and Mexico's Secretaria de Educacion Publica), Member of the Scientific Council, 1991-1996.  
 Fisheries Society of the British Isles, 1987 to 1994;  
 Fisheries Centre, University of British Columbia, Director, 2003 to 2008;  
 Global Footprint Network - Member, Science and Policy Advisory Council, 2004 to present;  
 Grenelle de la Mer (French national consultation on ocean affairs) - session of May 6, 2009, on fisheries, w/ briefing of the Minister of the Environment, J.L. Borloo on May 7, 2009;  
 International Foundation for Science, Stockholm - Scientific Advisor, 1995 to 1998;  
 IOC/FAO Guiding Group of Experts of the Ocean Science and Living Resources Program, 1984 to 1989;  
 IOC/SCOR Committee on Climate Changes and the Oceans - Biological Rapporteur, 1987 to 1988;  
 IOC/SCOR. Working Group 105 on "The Impact on Fisheries Harvest on the Stability and diversity of Marine Ecosystems." Member, March 1996 to February 1999;  
 IOC/SCOR Working Group 119 on "Quantitative Ecosystem Indicators for Fisheries Management." Associate member, 1996 to 2005;  
 IPCC Working Group III; Contributing Author to Fifth Assessment Report, Chapter 11, on 'Agriculture, Forestry and Other Land Uses (AFOLU)', 2013/2014.  
 Millennium Ecosystem Assessment: Coordinating Lead Author for 'Marine Systems', 2002 to 2005;  
 National Geographic 'Ocean Advisory Board', 2010-2011.  
 Natural Resources Defence Council, New York - Board Member, 2002 to 2006 (Honorary Board Member since 2007);  
 Network of Tropical Aquaculture Scientists, 1987 to 1997;  
 Network of Tropical Fisheries Scientists (ICLARM), 1982 to 1997;  
 Nippon Foundation's Nereus Program/Predicting Future Oceans. Chair, Steering Committee, 2014 to present.  
 Oceana, Washington, D.C. - Board Member, 2003 to present;  
 Ocean Foundation - Member, Board of Advisors, 2005 to present;  
 One World One Ocean Science Advisory Council [see [oneworldocean.org](http://oneworldocean.org) ]  
 Pew Fellows Program in Marine Conservation - Member, Advisory Council (1999-2004);  
 Philippine Fisheries Research Society, 1980 to 1989;  
 Royal Society of Canada (Academy of Science), 2003 to present;  
 TerraNature, New Zealand, - Advisory Council Member, 2005 to 2009;  
 Truth and Reconciliation Commission of Canada. 'Honorary Witness' (Induction on September 20, 2013),  
 Vancouver Institute - Council Member, 2006 to present;  
 World Wildlife Fund for Nature (WWF), Canada - Board Member, 2004 to 2006;  
 Zentrum für Tropische Meeresökologie, Universität Bremen, Germany - Member of the Scientific Advisory Committee, 2004 to 2007.

## **Consultancies**

Advising the NWFSC Modeling Trends in Fish Abundance in Gulf of Mexico pre/post Spill. Project (2014-2015).  
 Advising the Exxon Valdez Oil Spill Restoration Council, Ecosystem Modeling on Prince William Sound, January 1997, Anchorage, Alaska, with follow-up ecosystem modeling project (1997-1998);

- Reviewing, with two other external evaluators (TJ Pitcher, UBC and Bill Peterson, GLOBEC), proposals submitted to the SANCOR Program, Cape Town, South Africa, 26-30 September 1994;
- Leading a World Bank Mission to Kenya, Malawi, Mozambique and Zimbabwe, as a part of the 'Study of International Fisheries Research' 7-26 January 1990;
- Introducing staff of the Programa Peruano-Aleman de Investigacion Pesquera and of the Instituto del Mar del Peru to advanced stock assessment methods and assisting with the preparation of various publications (including two books), in Callao, Peru: November/December 1981, 30 April-7 May 1983; 19 February-14 March 1985; 7-26 October 1986; 17 August-2 September 1987; September 1988; and 22 July-5 August 1989; all visits on behalf of the Deutsche Gesellschaft für Technische Zusammenarbeit);
- Reviewing (with three other team members), on behalf of the U.S. Agency for International Development, the achievements of the ASEAN/US Coastal Area Management Project, January 1988;
- Advising the Secretary and staff of the Intergovernmental Oceanographic Commission (IOC, Paris) on the status of shrimp recruitment research in the Western Pacific area, 4-5 June 1987;
- Reviewing and contributing to the research of the Fish and Shrimp Management Program of the Mariculture and Fisheries Department, Kuwait Institute of Scientific Research, Kuwait, April and December 1985, and January 1986;
- Developing (with P. Fox, I.R. Smith and E. Cruz), on behalf of the U.S. Agency for International Development, Philippine Mission, a project plan for a fish stock assessment/pilot fishery management component of its 'Rainfed Resource Development Project', September-November 1985;
- Providing Advice on Microcomputer Use and Shrimp Stock Assessment to the FAO/SIDA Bay of Bengal Programme, Madras, India, 3-5 December 1983;
- Advising on analysis of fishery survey data and research planning, 15-27 August and 8-17 December 1983, Sea Fisheries Research Unit, Rangoon, Burma on behalf of the Food and Agriculture Organization of the United Nations;
- Planning of FAO/DANIDA Training Courses In Tropical Fish Stock Assessment: October 1982, Charlottenlund, Denmark, and September 1982 and February 1989 at FAO Headquarters, Rome, Italy;
- Advising the Ecuadorian-British Fisheries Development Project in Guayaquil, Ecuador, on the interpretation of project data (visit sponsored by the Overseas Development Agency), November/December 1981;
- Reviewing the Theory of Tropical Multispecies Fisheries, ICLARM Headquarters, Manila, Philippines, July-August 1978.

## **Teaching and training**

### **Courses and lectures at various institutions in the Philippines (1987-1982)**

- FAO/DANIDA Follow-up Training Course in Stock Assessment in the Tropics, 12 January - 6 February 1987;
- CRSP/GTZ/ICLARM Course on Fish Stock Assessment, College of Fisheries, University of the Philippines, October 1986;
- FAO/DANIDA National Training Course in Tropical Fish Stock Assessment, Manila, Philippines, 13 January - 5 February 1986;
- Regular lectures at the University of the Philippines, Dilliman Campus, Quezon City: 1980/1981 term: Management of aquatic resources; 1981/1982: Management of aquatic resources; 1985/1986: Tropical fish population dynamics;



MSL/ICLARM Course in Fish Population Dynamics, Marine Science Laboratory, Silliman University, Dumaguete City, Philippines, June 1982;  
 BFAR/PCARRD/SCSP/ICLARM Course on Fisheries Resources Assessment, Ateneo de Manila University, 3-15 May 1982.

**Courses and lectures at the University of Kiel, Germany (1990-1984)**

Aufbaukurse zur Populationsdynamik der Fische: neue Konzepte und Methoden (2-Stündig. Blockkurs, 20-26 Juni 1989, 10-15 July 1989 and 25-29 June 1990, Institut für Meereskunde);  
 Aufbaukurse zur Populationsdynamik Tropischer Fische: neue Konzepte und Methoden (2-Stündiger Blockkurs, 20- 26 Juni 1988, Institut für Meereskunde);  
 Theorie und Praxis der Datenanalyse in der Fischereibiologie (Vorlesung mit Übung, 2 Stündig, SS 1985, Institut für Meereskunde);  
 Einführung in die Fischereibiologie der Tropen (Einstündige Vorlesung, WS 1984/1985, Institut für Meereskunde);

**Courses in miscellaneous institutions and countries (2016-1980; excluding UBC)**

Co-teaching “Topics in Marine Ecology & Conservation” (with Dr. Jennifer Jacquet); fall semester 2016 at New York University (ENVST-UA 323).  
 One-week course (8 lectures + discussions) for the “Master Internacional en Gestión Pesquera Sostenible”, Universidad de Alicante, 18-22 April, 2016.  
 Daily lectures to the 2003 class of the United Nations University Fisheries Training Program, Institute of Marine Research, Reykjavik, December 15-19, 2002;  
 Composante Ecopath du Cours SIAP en Gestion Ecosystemique, juillet 3-5, 2001. Ecole Nationale Supérieure Agronomique de Rennes, France;  
 APEC/OMISAR Workshop on Marine Ecosystem Analysis and Modeling for the APEC Region. Taipei, Taiwan, August 7-10, 2000;  
 ACP-EU FishBase Training Courses in Fisheries and Fish Biodiversity Management (Nouméa, New Caledonia Oct. 1997; Port of Spain, May/June 1998; Swakopmund, Namibia, Dec. 1998; Dakar, Senegal, April 1999 and Nairobi, Kenya, August 1999; details at [www.fishbase.org](http://www.fishbase.org));  
 Placing Fisheries in their Ecosystem Context. ‘Ecopath course’ for Participants from South America, held in Sao Paulo, Brazil, November 30-December 5, 1998, under the Auspices of the European Union;  
 Placing Fisheries in their Ecosystem Context. ‘Ecopath course’ for Participants from West Africa and Europe, held in Hirsthals, Denmark, August 4-8, 1998, under the Auspices of the European Union;  
 Placing Fisheries in their Ecosystem Context. ‘Ecopath course’ for Participants from Central America and the Caribbean, held in Puntarena, Costa Rica, April 21-27, 1998, under the Auspices of the European Union;  
 Training course in the Construction and Interpretation of Ecopath Mass-Balance Models of Ecosystems, CICIMAR/ICLARM/UBC Fisheries Centre, La Paz, Mexico, October 21-27, 1996;  
 Population dynamics and trophic interactions of fish and aquatic invertebrates. EPOMEX, Universidad Autonoma de Campeche. Annual course: October/November 1992-1995, Campeche, Mexico;  
 Population dynamics and trophic interactions of fish and aquatic invertebrates. Alfred-Wegener Institut für Polar und Meeresforschung/Bremen University, 4-8 November 1991,

- Bremerhaven, Germany; Zentrum für Marine Tropenökologie, Bremen University, 11 May 1992, Bremen, Germany; and University of Bergen, 20-22 May 1992, Bergen, Norway;
- IMARPE/FAO/DANIDA Training Course in Fish Stock Assessment, Callao, Peru, 3-28 September 1990;
- Training course on length-based assessment and the Compleat ELEFAN software. Executed for the Caribbean Fisheries Council and the Puerto Rico Dept. of Fisheries at Mayagüez, Puerto Rico, July 30 to August 1, 1990;
- FAO/DANIDA Regional Training Course in Fish Stock Assessment, 15 October - 9 November, 1990 Cumana, Venezuela;
- HEST/TAFIRI/FAO/DANIDA Regional Training Course in Tropical Fish Stock Assessment, Mwanza, Tanzania, 4- 26 February 1989;
- Training Course on Quantitative Methods in Marine Biology, given to staff of the Laboratory for Ichthyology and Coastal Systems , Universidad Nacional Autonoma de Mexico, Mexico, D.F., Mexico, 7- 11 September 1987;
- Training Course on the use of Microcomputers and of Length-Frequency Data for Fishery Stock Assessment, Instituto del Mar del Peru, Callao, Peru, August 29 - September 2, 1987;
- FAO/DANIDA Follow-up Training Course in Tropical Fish -Stock Assessment, Hirtshals, Denmark, 5-24 May 1986;
- CIFAD Training Course on Fishery Data Management Using Microcomputers, Corvallis, Oregon, U.S.A., 4-8 August 1986;
- Training Course in Fish Stock Assessment sponsored by NORAD and held at the Instituto de Investigaçao Pesqueira, Maputo, Mozambique, 22 February - 14 March 1986;
- Workshop of the General Council for the Fisheries of the Mediterranean on Simple Analytical Methods for Stock Assessment, Sidi Fredj, Algeria, 16-18 November 1985;
- Taller sobre Metodos Simples en la Dinamica de Poblaciones de Peces e Invertebrados, Universidad de Trujillo, Peru, 17-19 October 1985;
- FAO/DANIDA National Training Course in Tropical Fish Stock Assessment, Penang, Malaysia, 5 November -1 December 1984;
- FAO/DANIDA Training Course in Tropical Fish Stock Assessment, Cochin, India, 25 November - 2 December 1983;
- FAO/DANIDA Training Course in Tropical Fish Stock Assessment, Mombasa, Kenya, 28 May - 20 June 1983;
- Regional Training Course on Fishery Stock Assessment and Fishery Statistics, sponsored by the Asian Development Bank, FAO/SCSP, FAO/SIDA and the Government of Thailand, Samutprakarn, Thailand, 1-9 October 1981;
- Danida/FAO Training Course in Tropical Fish Stock Assessment, Mombasa, Kenya, 19 May - 4 June 1980;

### **Theses supervised while at the University of British Columbia (2016 -1997)**

- Brotz, Lucas, 2016. Jellyfish fisheries of the world. PhD thesis, University of British Columbia, Vancouver, 170 p.
- Hehre, Edward James III. 2016. Effects of seaweed farming on tropical shallow coral ecosystems. PhD thesis, University of British Columbia, 98 p.
- Al-Abdulrazzak, Dalal. 2015. In the Wake of the Dhow: Historical Changes in the Marine Ecology and Fisheries of the Persian Gulf. PhD thesis, University of British Columbia, Vancouver, 181 p.
- Greer, Krista, 2014. Considering the 'effort factor' in fisheries: a methodology for reconstructing global fishing effort and CO<sub>2</sub> emissions, 1950 – 2010. MSc thesis, University of British Columbia, Vancouver, 107 p.

- Belhabib, Dyhia, 2014. West African Fisheries: Past, Present and Futures? PhD thesis, University of British Columbia, 214 p.
- Le Manach, Frédéric. 2014. Past, Present and Future of Publicly-Funded European Union's Fishing Access Agreements in Developing Countries. PhD thesis, University of British Columbia and Université de Montpellier (co-supervision w/ Dr. Philippe Cury, Montpellier), 171 p.
- Colléter, Mathieu, 2014. Fishing impacts on the trophic functioning of marine ecosystems: a comparative approach using trophodynamic models. PhD thesis, University of British Columbia and Ecole doctorale Vie-Agro-Santé, Agrocampus Ouest, Rennes, France, 236 p. (co-supervision w/ Prof. Didier Gascuel, Rennes).
- Ulman, Aylin, 2014. Actual and perceived decline of fishery resources in Turkey and Cyprus: A history with an emphasis on shifting baselines. MSc Thesis, University of British Columbia, Vancouver, 207 p.
- Schiller, Laurenne L. 2014. Tuna be, or not tuna be: using catch data to observe the ecological of commercial tuna fisheries in the Pacific Ocean at varying spatial scales. MSc thesis, University of British Columbia, Vancouver, 155 p.
- Boonzaier, Lisa, 2014. Marine protected areas: a global exploration of their quantity and quality. Master Thesis (Zoology), University of British Columbia, Vancouver, 110 p.
- Bhathal, Brajgeet, 2014. Government-led development of India's marine fisheries since 1950: catch and effort trends and bioeconomic models for exploring alternative policies. PhD thesis, University of British Columbia, 321 p.
- Govender, Rhona. 2013. Small but Mighty: a Global Reconsideration of Small-scale Fisheries. Master Thesis, University of British Columbia, Vancouver, 86 p.
- Palczy, Michelle. 2012. An analysis of temporal and spatial patterns in global seabird abundance during the modern industrial era (1950-2010), and the relationship between global seabird decline and marine fisheries catch. Master Thesis, University of British Columbia, Vancouver, 119 p.
- Biery, Leah. 2012. Using shark catch data to estimate the magnitude and global distribution of the shark fin trade. Master Thesis, University of British Columbia, Vancouver, 122 p.
- Tesfamichael, Dawit. 2012. Assessment of the Red Sea Ecosystem, with Emphasis on Fisheries. PhD thesis, University of British Columbia, 238 p. (co-supervision w/ Prof. T.J. Pitcher).
- Brotz, Lucas. 2011. Changing jellyfish populations: trends in large Marine Ecosystems. MS thesis, Faculty of Graduate Studies/Oceanography. University of British Columbia. 198 p.
- Campbell, Brooke, 2010. A global analysis of historical and projected mariculture production trends, 1950-2030. Master Thesis, University of British Columbia, Vancouver. 144 p.
- Tremblay-Boyer, Laura. 2010. Effects of global fisheries on the biomass of marine ecosystems: a trophic-level-based approach. Master Thesis, University of British Columbia, vi+79 p.
- Wabnitz, Colette. 2010. Marine sea turtle conservation and ecosystem based management, with a focus on green turtles (*Chelonia mydas*) and sea grass ecosystems. PhD thesis, University of British Columbia, 272 p.
- Cullis-Suzuki, Sarika, 2009. High seas, high risk: a global evaluation of the effectiveness of regional fisheries management organizations. Master thesis, University of British Columbia, 130 p.
- Jacquet, Jennifer, 2009. Fish as Food in an Age of Globalization. PhD thesis, University of British Columbia, 187 p.
- Mondoux, Suzanne. 2008. Ranking maritime countries in terms of the sustainability of their fisheries. Master of Science in Environmental Management, Royal Roads University, Victoria, B.C., 119 p.
- Wood, Louisa. 2007. The global network of marine protected areas: developing baselines and identifying priorities. Department of Geography, University of British Columbia. 171 p.

- Morissette, Lyne. 2007. Complexity, cost and quality of ecosystem models and their impact on resilience: a comparative analysis, with emphasis on marine mammals and the Gulf of St. Lawrence. PhD thesis, University of British Columbia. xviii + 260 p.
- Trujillo, Pablo. 2007. A global analysis of the sustainability of marine aquaculture. MS thesis, Department of Resource Management and Environmental Studies, University of British Columbia. 127 p.
- Preikshot, David. 2007. The influence of geographic scale, climate and trophic dynamics upon North Pacific oceanic ecosystem models. PhD thesis, University of British Columbia, 205 p.
- Gelchu, Ahmed. 2006. Growth and distribution of port-based global fishing effort within countries EEZs. PhD thesis, University of British Columbia, 160 p.
- Hunter, Andrea. 2005. A multiple regression model for predicting the energy requirements of marine mammals. MSc thesis, University of British Columbia, 300 p.
- Freire, Katia. 2005. Fishing impacts on marine ecosystems off Brazil, with emphasis on the north-eastern region. PhD thesis, University of British Columbia, 254 p.
- Karpouzi, V. 2005. Modelling and mapping trophic overlap between fisheries and the world's seabirds. MSc thesis, University of British Columbia, 159 p.
- Bhathal, Brajgeet. 2004. Historical reconstruction of Indian marine fisheries catches, 1950-2000, as basis for testing the 'Marine Trophic Index', MSc thesis, Department of Zoology, University of British Columbia, 130 p.
- Coombs, Andrea. 2004. Marine mammals and human health in the Eastern Bering Sea: Using an ecosystem-based food web model to track PCBs. MSc thesis, Department of Resource Management and Environmental Studies, University of British Columbia, 91 p.
- Kaschner, Kristin. 2004. Modelling and mapping resource overlap between marine mammals and fisheries on a global scale. PhD thesis, Department of Zoology, University of British Columbia, 225 p.
- Poon, Amy Min-Yee. 2005. Haunted Waters: A preliminary estimate of ghost fishing of crabs and lobsters by traps. MSc thesis, Department of Resource Management and Environmental Sciences, University of British Columbia. 135 p.
- Chaikina, Natalia. 2004. A trophic mass-balance model of the Sea of Okhotsk for the 1980s period. BSc. thesis, Faculty of Science, University of British Columbia, 49 p.
- Okey, Thomas Anthony. 2004. Shifted community states in four marine ecosystems [microform]: some potential mechanisms. PhD thesis, Department of Zoology, University of British Columbia. 173 p.
- Swartz, Wilfram Ken. 2004. Global maps of the growth of Japanese marine fisheries and fish consumption. MSc thesis, Resource Management and Environmental Studies, University of British Columbia, 67 p..
- Beattie, Alasdair. 2002. Optimal size and placement of marine protected areas. MSc thesis, Resource Management and Environmental Studies, University of British Columbia, 159 p.
- Kay, Aran. 2002. *Mysis relicta* and Kokanee Salmon (*Oncorhynchus nerka*) in Okanagan Lake, British Columbia: from 1970 and into the future. MSc thesis, Department of Zoology, University of British Columbia, 144 p.
- Watkinson, Stephen. 2001. Life after death: the importance of salmon carcasses in watershed function. MSc thesis, Resource Management and Environmental Studies, University of British Columbia, 111 p.
- Vidal-Hernandez, Laura. 2000. Exploring the Gulf of Mexico as a large marine ecosystem through a stratified spatial model. MSc thesis, Resource Management and Environmental Studies, University of British Columbia, 158 p.

- Preikshot, David. 2000. An Interdisciplinary assessment of tropical small-scale fisheries using multivariate statistics. MS thesis, Department of Zoology, University of British Columbia, 111 p.
- Wallace, Scott 1999. Fisheries Impacts on Marine Ecosystems and Biological Diversity: The Role for Marine Protected Areas in British Columbia. PhD thesis, Resource Management and Environmental Studies, University of British Columbia, 198 p.
- Buchary, E. 1999. Evaluating the effects of the 1980 trawl ban in the Java Sea, Indonesia: an ecosystem-based approach. MSc Thesis, Resource Management and Environmental Studies, University of British Columbia, 134 p.
- Nsiku, E. 1999. Changes in the fisheries of Lake Malawi, 1976-1996: ecosystem-based analyses. MSc thesis, Resource Management and Environmental Studies, University of British Columbia, 217 p.
- Dalsgaard, Johanna. 1999. Modeling the trophic transfer of beta radioactivity in the marine food web of Enewatak Atoll, Micronesia. MSc thesis, Resource Management and Environmental Studies, University of British Columbia, 125 p.
- Chuenpagdee, Ratana. 1998. Damage schedules for Thai coastal areas: a non-monetary approach. PhD thesis, Resource Management and Environmental Studies, University of British Columbia, 255 p.
- Bozynski, Chantelle. 1998. Interactions between growth, sex, reproduction, and activity levels in control and fast-growing strains of Nile tilapia (*Oreochromis niloticus*). MSc thesis, Department of Zoology, University of British Columbia, 109 p.
- Vernier, M. J. 1997. Seasonal Ecosystem Models of the Looe Key National Marine Sanctuary, Florida. MSc thesis, Department of Zoology, University of British Columbia, 109 p.
- Bundy, Alida. 1997. Assessment and Management of Multispecies, multigear fisheries: a case study from San Miguel Bay, The Philippines. PhD thesis, Resource Management and Environmental Studies, University of British Columbia, 396 p.

#### **Theses supervised for/at European Institutions (1993-1979)**

- Federizon, R. 1993. Using vital statistics and survey catch composition data for tropical multispecies fish stock assessment: application to the demersal resources of the Philippines. Fachbereich 2 (Biologie), Universität Bremen, 201 p. (Supervision of doctoral thesis).
- Bianchi, G. 1992. Demersal assemblages of tropical continental shelves. Department of Fisheries and Marine Biology, University of Bergen, Norway, 217 p. (Thesis evaluation and acting as opponent at doctoral thesis defence)
- Jarre-Teichmann, A. 1992. Steady-state modelling of the Peruvian upwelling system. Fachbereich 2 (Biologie), Universität Bremen, 84 p. + Appendices. (Supervision of doctoral thesis).
- Jamet, J.L. 1991. Importance de la faune ichtyologique dans le lac d'Aydat, milieu eutrophe dans la zone tempérée nord, ses relations trophiques avec les autres composants de l'écosystème. Université Blaise Pascal, Clairmont-Ferrand, 263 p. (Co-supervision of doctoral thesis, jointly with Prof. N. Lair).
- Mendo, J. 1991. Stock identification of Peruvian anchoveta (*Engraulis ringens*): morphometrics, tagging/recapture, electrophoretic and ecological studies. Fachbereich 2 (Biologie), Universität Bremen, 161 p. (Supervision of doctoral thesis).
- Opitz, S. 1991. Quantitative models of trophic interactions in Caribbean coral reefs. Math. Nat. wiss. Fakultät, Universität Kiel, 470 p. (Supervision of doctoral thesis)
- Palomares, M.L. 1991. La consommation de nourriture chez les poissons: études comparatives, mise au point d'un modèle prédictif et application à l'étude des réseaux trophiques. Institut National Polytechnique de Toulouse, 211 p. (Co-supervision of doctoral thesis, jointly with Prof. J. Moreau).

- Vakily, J.M. 1990. Determination and comparison of growth in bivalves, with emphasis on the tropics and Thailand. Math-Nat. wiss. Fakultät, Universität Kiel, 125 p. (Supervision of doctoral thesis).
- Prein, M. 1990. Multivariate analysis of tilapia growth experiments in ponds: case studies from the Philippines, Israel, Zambia and Peru. Math-Nat. wiss. Fakultät, Universität Kiel, 125 p. (Supervision of doctoral thesis)
- Isaac, V. 1989. The accuracy of length-based methods for fish population studies, Doktorarbeit, Math-Nat. wiss. Fakultät (Supervision of doctoral thesis)
- Dalzell, P. 1989. The biology of surgeon fishes (Family: Acanthuridae), with particular emphasis on *Acanthurus nigricauda* and *A. xanthopterus* from Northern Papua New Guinea. Master thesis, University of Newcastle, 285 p. (Topic formulation and methodological guidance on behalf of Prof. N. Polunin, Univ. of Newcastle, U.K.).
- Prein, M. 1985. The influence of environmental factors on fish production in tropical fish ponds investigated with multiple regression and path analysis. Diplomarbeit, Math-Nat. wiss. Fakultät, Universität Kiel, 104 p. (Topic definition, and acting as 'Korreferent' on behalf of Prof. Dr. W. Nellen, Abteilung Fischereibiologie, IfM).
- Vakily, J.M. 1980. The exploitation of a fishing ground in the Philippines. Diplomarbeit, Math-Nat. wiss. Fakultät, Universität Kiel, 104 p. (Topic defined and Philippine field work supervised on behalf of Prof. Dr. G. Hempel).
- Ziegler, B. 1979. Growth and mortality of some fishes from Manila Bay Philippines, as estimated from their length frequencies. Diplomarbeit, Math.-Nat.wiss. Fakultät, Universität Kiel, 116 p. (Topic defined, field work and data analysis supervised on behalf of Prof. G. Hempel, Director, Abteilung Fischereibiologie, IfM).

#### **Master of Science theses supervised in the Philippines (1991-1981)**

My supervision of Filipino students was performed in various formal (and sometimes informal) roles, including 'advisor,' 'co-advisor,' 'field advisor,' 'critic,' 'reader,' etc., but implied in all cases that the student in question worked on themes and/or with methods I suggested and that I reviewed and edited various drafts.

- Espinosa, J.S. 1991. Aspects of the feeding biology of *Siganus fuscescens* Houuttuyn (Pisces: Siganidae). Marine Science Institute, College of Science, University of the Philippines.
- Sambilay, V.C. Jr. 1991. Depth-distribution patterns of demersal fishes of the Samar Sea, Philippines, and their use for estimation of mortality. Institute of Marine Fisheries and Oceanology, University of the Philippines in the Visayas, Iloilo, 66 p.
- Balgos, Miriam C. 1990. Age and growth of the squid *Sepiotheuthis lessoniana* Lesson (1830) in Bolinao, Pangasinan, by statolith observation and length-frequency analysis. MSI/Coll. Sci. Univ. Philippines, 78 p.
- Soliman, Victor. 1989. Population dynamics of Sinarapan (*Mistichthys luzonensis* Smith) in Lake Manapao, Buhi, Camarines Sur, Philippines. Central Luzon State University, Muñoz, Nueva. Ecija, 73 p.
- Manrique, Amalia S. 1988. Simple productivity indices for lake ecosystems: the case of Sampaloc Lake. University of the Philippines at Los Baños, 121 p.
- Peñaflor, Grace. 1987. Growth of *Leiognathus splendens* (Cuvier 1829) based on daily otolith rings validated through length-frequency analysis. College of fisheries, University of the Philippines in the Visayas, Diliman, Quezon City, 51 p.
- Sarmiento, Loida. 1987. Spatial relationships of macro-epifauna on pier pilings. College of Science, University of the Philippines, Diliman, Quezon City, 49 p.
- Palomares, Ma. Lourdes. 1987. Comparative studies on the food consumption of marine fishes with emphasis on species occurring in the Philippines. College of Science, University of the Philippines, Diliman, Quezon City, 107 p.

- del Norte, Annabelle Glenda 1986. Some aspects of the growth, recruitment, mortality and reproduction of the Asian moon scallop, *Amusium pleuronectes* (Linné) in the Lingayen Gulf, Philippines. College of Science, University of the Philippines, Diliman, Quezon City, 117 p.
- Tandog, Dulce D. 1984. State of exploitation and population dynamics of skipjack tuna (*Katsuwonus pelamis*) in waters off Misamis Oriental. College of Fisheries, University of the Philippines in the Visayas, Diliman, Quezon City, 93 p.
- Cabanban, Annadel S. 1984. Some aspects of the biology of *Pterocaesio pisang* (Bleeker 1853) (Pisces: Caesionidae) in Central Visayas. College of Science, University of the Philippines, Diliman, Quezon City, 69 p.
- Cortes-Zaragoza, Ester. 1983. Morphometric and relative abundance of tunas (Perciformes: Scombridae) caught off Darigayos Cove, La Union. College of Arts and Sciences, University of the Philippines, Diliman, Quezon City, 85 p.
- Mangaoang, Inocencio Jr., D. 1982. Age and growth of three species of *Siganus* in the wild and in captivity: comparative study based on their otoliths' daily rings. College of Arts and Sciences, University of the Philippines, Diliman, Quezon City, 88 p.
- Pagdilao, R. Cesario. 1982. Taxonomy, growth and mortality of slipmouths (Order Perciformes, Family Leiognathidae) in Manila Bay. College of Arts and Sciences, University of the Philippines, Diliman, Quezon City, 114 p.
- Navaluna, Noli A.N. 1982. Population dynamics of the tiger-toothed croaker *Otolithus ruber* in San Miguel Bay. College of Arts and Sciences, University of the Philippines, Diliman, Quezon City, 73 p.
- Aniceto, M. Hernando, Jr. 1981. Contributions to the taxonomy and biology of *Formio niger* (Bloch) in Lingayen Gulf. College of Arts and Sciences, University of the Philippines, Diliman, Quezon City, 103 p.

**Post Doctoral Fellows** (*with main publication*)

- Teh, Lydia C.L** (2012-2016): Teh, C.L. and L.S.L. Teh. 2016. Malaysia (Peninsular), p. 323. *In*: D. Pauly. and D. Zeller. (eds.). Global Atlas of Marine Fisheries: A critical appraisal of catches and ecosystem impacts. Island Press, Washington D.C.
- Al-Abdulrazzak, Dalal** (2016-2017): Al-Abdulrazzak, D., D. Zeller, D. Belhabib, D. Tesfamichael and D. Pauly. 2015. Total marine fisheries catches in the Persian/Arabian Gulf from 1950 to 2010. *Regional Studies in Marine Science*, 2: 28-34.
- Belhabib, Dyhia** (2015): Belhabib, D., V. Koutob, V.W.Y. Lam, A. Sall and D. Pauly. 2014. Fisheries catch misreporting and its implications: the case of Senegal. *Fisheries Research*, 151: 1-11.
- Lam, Vicky** (2014- 2015): Lam, V.WY, William WL Cheung, and U. Rashid Sumaila. 2014. Marine capture fisheries in the Arctic: winners or losers under climate change and ocean acidification. *Fish and Fisheries* DOI: 10.1111/faf.12106
- Tesfamichael, Dawit** (2012-2014): Tesfamichael, D. and D. Pauly. 2012. Learning from the past for future policy: approaches to time series catch data reconstruction. *Western Indian Ocean Journal of Marine Science* 10(1): 99-106.
- Kleisner, Kristin** (2010-2013): Kleisner, K., R. Froese, D. Zeller and D. Pauly. 2013. Using global catch data for inferences on the world's marine fisheries. *Fish and Fisheries* DOI: 10.1111/j.1467-2979.2012.00469.x

- McCrea-Strub, Ashley** (2009-2012): McCrea-Strub, A., U.R. Sumaila, D. Zeller, J. Nelson and D. Pauly. 2011. Understanding the cost of establishing marine protected areas. *Marine Policy*. 35: 1-9.
- Jacquet, Jennifer** (2009-2012): Jacquet, J., J. Hocevar, S. Lai, P. Majluf, N. Pelletier, T. Pitcher, E. Sala, R. Sumaila and D. Pauly. 2010. Conserving Wild Fish in a Sea of Market-Based Effort. *Oryx* 44(1): 45-56.
- Cheung, William** (2007-2008): Cheung, W. W.L., C. Close, V. Lam, R. Watson and D. Pauly. 2008. Application of macroecological theory to predict effects of climate change on global fisheries potential. *Marine Ecology Progress Series* 365: 187-193.
- Zeller, Dirk** (1999-2002): Zeller, D. and D. Pauly. 2001. Visualization of standardized life history patterns. *Fish and Fisheries* 2(4): 344-355.
- Palomares, Maria-Lourdes** (1991-1994): Palomares, M.L. and D. Pauly. 1998. Predicting food consumption of fish populations as functions of mortality, food type, morphometrics, temperature and salinity. *Marine and Fisheries Research* 49: 447-453.
- Guénette, Sylvie** (1999-2001): Guénette, S., V. Christensen and D. Pauly (Editors). 2001. *Fisheries Impacts on North Atlantic Ecosystems: Models and Analyses*. Fisheries Centre Research Reports 9(4)
- Ruttan, Lore** (1999-2000). Ruttan, L.M. F.C. Gayanilo Jr., U.R. Sumaila and D. Pauly. 2000. Small- versus large-scale fisheries: a multi-species multi-fleet model for evaluating their interactions and potential benefits. p. 64-78. In: D. Pauly and T.J. Pitcher (Editors). 2000. *Methods for Evaluating the Impacts of Fisheries on North Atlantic Ecosystems*. Fisheries Centre Research Reports 8(2).

### Items in *Nature* or *Science* (2015 - 1988)

- Cressey, D. 2015. Eyes on the oceans: Daniel Pauly is sounding the alarm over global fish harvests, but other think he is making too much noise. *Nature*, 519: 280-282.
- Pauly, D. and A. Charles. 2015. Counting on Small-Scale Fisheries. *Letter to Science*. 347: 242-243.
- Pauly, D., 2014. Listed among the newly elected AAAS Fellows, *Science* 342: 1064.
- Cheung, W., R. Watson and D. Pauly. 2013. Signature of ocean warming in global fisheries catch. *Nature* 497: 365-368; DOI: 10.1038/nature 12156.
- Paine, M.R. 2013. Climate change at the dinner table. *Nature* 497: 320-321. [Comments on Cheung, Watson and Pauly, *Nature*, 2013]
- Pala, C. 2013. Detective work uncovers under-reported overfishing. *Nature* 496: 18. [Comments on Pauly et al. *Fish and Fisheries*, 2013],
- Halpern, B.S., S.D. Gaines, K. Kleisner, C. Longo, D. Pauly, A.A. Rosenberg, J.F. Samhouri and D. Zeller. 2013. Reply to: is the ocean food provision index biased? *Nature* 495. doi:10.1038/nature11975.
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- Richardson, A.J., D. Pauly and M.J. Gibbons. 2012. Keep jellyfish numbers in check. Correspondence to *Nature* 483: 158
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- Cressey, D. 2011. Uncertain sanctuary *Nature* 480: 166-167. [Discusses MPAs and cites D. Pauly extensively].
- Anon. 2011. Arctic Fishing. *Nature* 470: 145. [News item about the article: Zeller, D., S. Booth, E. Pakhomov, W. Swartz and D. Pauly. 2011. Arctic fisheries catches in Russia, USA and Canada: Baselines for neglected ecosystems. *Polar Biology* 34: 955-973],
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- Gerber, L., L. Morissette, K. Kaschner and D. Pauly. 2009. Should whales be culled to increase fishery yields? *Science*. 323: 880-881.
- Schrope, M. 2008. Overfishing worse than thought. *Nature* online, doi: 10.1038/news.2008.942.
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- Pauly, D. 2005. Rebuilding fisheries will add to Asia's problems. Correspondence to *Nature*, 433: 457.
- Pauly, D. 2004. Much rowing for fish. News and Views, *Nature*, 432: 813-814.
- Avise, J.C. 2004. Book Review: A chrestomathy on fishes Review of "Darwin's Fishes: An Encyclopedia of Ichthyology, Ecology and Evolution" by Daniel Pauly. *Nature*, 429: 18.
- Pauly, D. 2003. Lifeline. *Nature* 421: 23.
- Pauly, D., J. Alder, E. Bennett, V. Christensen, P. Tyedmers and R. Watson. 2003. The future for fisheries. *Science*, 302: 1359-1361.
- Malakoff, D. 2002. Profile of Daniel Pauly: Going to the Edge to Protect the Sea. *Science*, 296(5567):458-461.
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- Shepherd, J. 2003. Net losses. Review of "In a Perfect Ocean" by Daniel Pauly and Jay Maclean. *Nature* 425: 125-126.
- Pearson, H. 2001. China caught out as model shows net fall in fish. *Nature* 414: 477.
- Watson, R. and D. Pauly. 2001. Systematic distortions in world fisheries catch trends. *Nature* 414: 534-536.
- Pauly, D., R. Froese and V. Christensen. 1998. How pervasive is "Fishing down marine food webs": response to Caddy et al. *Science* 282: 183 [full text (p. '1383a') on [www.sciencemag.org/cgi/content/full/282/5393/1383](http://www.sciencemag.org/cgi/content/full/282/5393/1383)].
- Pauly, D., V. Christensen, J. Dalsgaard, R. Froese and F.C. Torres Jr. 1998. Fishing down marine food webs. *Science* 279: 860-863.
- McCall, R.A., and R.M May. 1995. More than a seafood platter – FishBase: a biological database on fish (CD-ROM and Users' Manual), by R. Froese and D. Pauly. *Nature* 376: 735.
- Beddington, J. 1995. The primary requirements. *Nature* 374, 213 – 214.

- Pauly, D. and V. Christensen. 1995. Primary production required to sustain global fisheries. *Nature* 374: 255-257. [Erratum in *Nature* 376: 279]
- Williams, D.M. 1988. Review of "Ecology of Tropical Oceans" by Alan R. Longhurst and Daniel Pauly, *Science*, 242: 1065.

### Lectures/presentations (10 February to 1 January 2015<sup>1</sup>)

- Texel, February 3, 2017. *Distant-Water Fleets and Eye-Yu-Yu Fishing*. Keynote at conference on- Globalization of Fisheries: the prevalence, actors, ecological impact and regulation of illegal fishing February 3-5, 2017 The Netherlands
- Tromsø, January 23, 2017. Climate change and the future of the oceans. @@
- London, January 12. *What is the real catch of the world, and what is preventing us from seeing it?* Turing Lectures, Huxley Hall, Zoological Garden [the same lecture was presented at the University of York, on January 12, 2017].
- Liverpool, December 13, 2016. *The ecology of fishing down marine food webs*. Annual Meeting 2016, British Ecological Society.
- Paris, November 23, 2016. *Les grandes tendances des pêcheries marines*. Conférence «Un seul Océan : enjeux et solutions». Pew Charitable Trusts and Institut Océanographique de Monaco. Maison des Océans.
- New York, November 2, 2016. *How to reduce fishing costs at any cost*. Environmental Humanities Series: Captured at Sea: Trafficking, Slavery, and Illegal Fishing on the Open Ocean, NYU Center for the Humanities.
- Ottawa, October 26, 2016. *The Global Context for Fisheries Rebuilding*. Oceana Canada's Science Symposium, October 26, 2016
- Amsterdam, October 23, 2016. *Impacts of fisheries on the world's marine ecosystems*. Forgotten Fish Symposium, Tolhuistuin (THT), Amsterdam, The Netherlands.
- New York, September 26, 2016. *A Portrait of Fisheries in the High Seas*. Workshop on Closing the High Seas to Fishing, Furman Hall, New York University.
- New York, September 20, 2016. *How to make fisheries more equitable*. Equity in a global context – Rebuilding marine fish stocks under multiple stressors. Side Event to the U.N. General Assembly (UNGA71), organized by the Institut pour la recherche et le développement, France.
- Paris, September 9, 2016. *An Atlas of Global Marine Fisheries*. 14<sup>th</sup> FishBase Symposium, Muséum National d'Histoire Naturelle.
- Galapagos Islands, August 31, 2016. *The future of global fisheries: what to expect in the next decades*. Third World Heritage Marine Managers Conference, held on 27-31 August 2016 on board the *National Geographic Endeavor*.
- Mexico City, August 9, 2016. *Global warming: effects on marine fish distribution and growth*. Ciencia del Cambio Climático y Manejo Pesquero en México, Ciudad de Mexico, August 9 and 10, 2016. Environmental Defense Fund & Instituto Nacional de Pesca.
- Noumea, July 25, 2016. *Large Marine Protected Areas: why we need them*. Parc Naturel de la Mer de Corail - Atelier Scientifique, 25-27 juillet 2016, Nouméa, Nouvelle Calédonie [Also on July 26: *Les impacts de la pêche et du réchauffement climatique sur les écosystèmes marins*. Public lecture publique at the headquarters of IRD, Nouméa]
- Kiel, June 30, 2016. *A global, community-driven catch database*. Mini-presentation/poster. 'Essential Ocean Variables' for Monitoring and Assessment of Marine Biodiversity and Ecosystem Health. International Workshop, June 30-July 1, 2016, Conti Hotel, Kiel, Germany.
- Vancouver, May 13, 2016. Human impacts on marine biodiversity - lessons and future in the context of climate change. Biodiversity & Innovation in the Context of Climate

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<sup>1</sup> Earlier lecture/presentations (back to 1976) available on request

- Change. Beaty Museum and #FACTSvan16 (French American Climate Talk (<http://facts.france-science.org>)).
- Snells Beach, April 8, 2016. *The Catches of Global Marine Fisheries and the Unseen Cost of Shifting Baselines*. New Zealand Fisheries Symposium [Also, April 9: *Impacts of Fisheries and Global Warming on Marine Ecosystems: the Challenges for New Zealand*]
- Auckland, April 7, 2016. *The Catches of Global Marine Fisheries: The Policy Implications of Reliable Statistics*. Business School, University of Auckland, New Zealand
- Whitehorse, March 20, 2016. *Global and Arctic Fisheries as if People Mattered*. Beringia Centre, Yukon. [Same lecture on March 21 at Yukon College, Haines Junction]
- Tunis, November 30, 2015. *Pêcheries et réchauffement planétaire et leurs effets sur les écosystème marins*. Institut National Agronomique de Tunisie. [Also, December 1: *Approches appropriées de la gestion des ressources de pêche en Méditerranée*. Institut National des Sciences des Technologies de la Mer], Tunisia.
- Brussels, November 26. *Fisheries and Global Warming: Impacts on Marine Ecosystems*. CEBios - Biodiversity and Development: a global heritage. Royal Belgian Institute of Natural Sciences.
- Mt Carmel, November 17, 2015. Fisheries Session Keynote: *The Impact of Industrial Fishing on the World's Marine Ecosystems*. Batsheva de Rothschild Seminar: Environmental Science and Policy Challenge in the South Eastern Mediterranean, Nir Etzion, Mt. Carmel, Israel.
- Xiamen, November 11, 2015. *Why reliable catch estimates matter: global comparisons of trends in marine fisheries*. Forum on the Sustainability of China's Fisheries, Xiamen, China [Also, on November 11: *Five Easy Pieces Revisited*. Third Oceanographic Institute, Xiamen].
- Rio Grande, October 20, 2015. *Links between the Sea Around Us and Pew's Global Ocean Legacy project*. Wyndham Grand Rio Mar Resort and Spa, Puerto Rico.
- Valparaiso, October 5, 2015. *What's the Catch? Challenges in Estimating and Maintaining Global Fisheries Catches*. Keynote to Side Event, Conference "Our Ocean 2015", National Congress, Chile.
- Washington, DC. September 30, 2015. *The FishBase Project*. Mini-presentation to the Forum on Open Science and Innovation: "f the People, By the People, For the People", Office of Science and Technology Policy and Domestic Policy Council, White House.
- Mahajanga, September 10, 2015. Conference Keynote: *Official vs. Reconstructed Fisheries Catches and their Impacts on Marine Ecosystems*. First FisherMan Regional Conference on "Sustainable Fisheries in the South-Western Indian Ocean: the Importance of Education, Management and Governance," 10 & 11 September 2015, Madagascar,
- Los Baños, September 1, 2015. Symposium Keynote: *FishBase: an improbable success and what it inspired*. FishBase Symposium, Campus of the International Rice Research Institute, Philippines.
- Erice, August 19, 2015. *Challenges to Ocean Life: Fisheries, Global Warming and Pollution*. International Seminars on Planetary Emergencies, 48th Session, Sicily, Italy.
- Brasilia, July 9, 2015. *The State of Global Marine Fisheries (III): The Why and How of Catch Reconstructions*. Workshop sobre a Reconstrução da Estatística Pesqueira do Brasil. July 9-10, Brazil.
- Brasilia, July 8, 2015. *The State of Global Marine Fisheries (II): Solutions for the World and Brazil*. First International Symposium on Marine Fisheries Management in Brazil. July 7-8. [Organized by Oceana Brazil].
- Brasilia, July 7, 2015. *The State of Global Marine Fisheries (I): Challenges to the World and Brazil*. First International Symposium on Marine Fisheries Management in Brazil. July 7-8. [Organized by Oceana, Brazil].
- Tokyo, June 29, 2015. Global Marine reconstructions: first findings. Nippon Foundation, Japan.
- Nassau, June 18, 2015. *Global marine fisheries sustainability: the challenges for The Bahamas*. Bahamas National Trust, New Providence Island, Bahamas.
- Toronto, June 9, 2015. *Global marine fisheries catch reconstructions: rationale, methods and first findings*. Oceana Board and Senior Staff Meeting.

- Hong Kong, June 1, 2015. Keynote: *Toward a re-estimation of the world's marine fish catch.* . International Conference on Biodiversity, Ecology and Conservation of Marine Ecosystems (BECOME) 2015, University of Hong Kong.
- Sydney, May 29, 2015. *Global marine fisheries sustainability: the challenges for Australia.* Bondi Beach Pavilion, Sydney, NSW, Australia.
- Canberra, May 27, 2015. *Global marine fisheries sustainability: the challenges for Australia* Breakfast with Daniel Pauly, Senate Alcove, Parliament House.
- Brisbane, May 22, 2015. *Global marine fisheries sustainability: the challenges for Australia.* Address, 50<sup>th</sup> Anniversary of the Australian Marine Conservation Society. [Also in Cairns, Australia, on May 23, 2015]
- Sydney, May 21, 2015. *Global marine fisheries sustainability: the Challenges for Australia.* David Thomas Oration, Sydney, Australia.
- Sydney, May 21, 2015. *The Footprint of Global Fisheries and the 'Seafoodprint' of Australia.* TEDx Talk, Sydney Opera.
- Vancouver, April 17, 2015. *The state of global fisheries.* Ten Years of Oceanwise, Vancouver Aquarium.
- Muscat, February 24, 2015. Conference keynote: *The fisheries of the Western Indian Ocean in the context of global fisheries development.* Second International conference on Fisheries, Aquaculture and Environment in the Indian Ocean, Oman.
- New York, January 30, 2015. *Fisheries and global warming: the end of marine biodiversity?* Planet Ocean –Rosa Luxemburg Stiftung. New York City.
- New York, January 29, 2015. *Three Vignettes on the Relationships between (Environmental) Science and Society.* Guest lecture, New York University (Course: Environment & Society; Prof. Dale Jamieson).

## **Publications (present - 1973) [over 1000 items; not included]**

A complete list of publications is available separately