

**Daniel Pauly**  
*Curriculum Vitae*

<i>Summary</i> .....	2
<i>Positions held</i> .....	3
<i>Education</i> .....	3
<i>Awards received</i> .....	3
<i>Major profiles and interviews</i> .....	5
<i>Conferences/Workshops organized</i> .....	7
<i>Memberships on editorial boards</i> .....	8
<i>Memberships in societies/panels</i> .....	9
<i>Consultancies</i> .....	10
<i>Teaching and training (Courses; MSc, PhD and Postdocs)</i> .....	11
<i>Items in Nature or Science</i> .....	19
<i>Zoom Keynotes and other formal/public lectures (since mid-March 2020)</i> .....	21
<i>Keynotes and other formal/public lectures</i> .....	22
<i>Participation in films/videos</i> .....	43
<i>Publications (present–1973)</i> .....	44

Version of April 8, 2022

(<http://www.oceans.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*, based at the Fisheries Centre (now the Institute for the Oceans and Fisheries), University of British Columbia, Vancouver, Canada. This initiative, which is devoted to studying the impact of fisheries on the world’s marine ecosystems, was initially supported mainly by funds he secured from the Pew Charitable Trusts, Philadelphia, USA, and since 2014, from a number of philanthropic foundations. Dr. 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 1000 items), and the concepts, methods, and software he (co-)developed that are in use throughout the world, and made him one of the most-cited living scientists. These contribution includes the Ecopath modeling approach and software (<https://celebrating200years.noaa.gov/breakthroughs/ecopath/welcome.html#use>), 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.searoundus.org](http://www.searoundus.org)), notably ‘reconstructed’ catch time series for the marine fisheries of the entire world.

Dr. Pauly is also the recipient of multiple international prizes and awards, including seven honorary doctorates from universities in Europe and Canada. Since 2016, he is University Killam Professor, the highest honor conferred by UBC. Profiles of Daniel Pauly were published in the *Georgia Straight* on September 3, 1998, *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.

A biography Daniel Pauly, by David Grémillet (‘*Un océan de combats*’, Edition Wildproject, 350 p.) was published in 2019; its English translation (‘*The Ocean Whistleblower*’) will be published by Greystone Books in the September 2021. His Google Scholar profile and citations in the literature can be accessed at <https://scholar.google.ca/citations?user=b6s1NfkAAAAJ&hl=en>

## Positions held

June 2016 to present: University Killam Professor, UBC.

November 24, 2017 to November 23, 2020: Adjunct Professor, University of Western Australia, Perth.

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 (succeeding 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 to 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, Germany (1969).

## Awards received

Date received	Award	Awarding entity/location
November 2021	Highly Cited Researcher Across Fields (also in 2018 –2020)	Clarivate Analytics
October 2021	World Expert in Aquaculture (top 0.1% of scholars writing about Aquaculture over the past 10 years)	Expertscape. <a href="https://expertscape.com/ex/aquaculture">https://expertscape.com/ex/aquaculture</a>
Sept. 21, 2021	2019 Frontiers of Knowledge Awards (Ecology & Conservation; shared)	BBVA Foundation, Bilbao (awarded in 2020, but delayed due to Covid-19).
March 12, 2021	Prof. N. Balakrishnan Nair Memorial International Fisheries Guru Award	University of Kerala, India
Jan. 2021	Beverton Medal	Fisheries Society of the British Isles

May 22, 2019	“Great Supervisor”	Faculty of Graduate and Postdoctoral Studies, UBC
Nov. 24, 2017	Sir John Dawson Medal for Interdisciplinary Research	Royal Society of Canada (Acad. Sci.), Winnipeg
July 14 and Nov. 14, 2017	Chevalier de la Légion d’Honneur	République Française, through its Ambassador to Canada
July 7, 2017	Le Cren Medal (shared with FishBase staff)	Fisheries Society of the British Isles
Jan. 19, 2017	Scientifique de l’année 2016	Radio Canada, Montréal
Jan. 11, 2017	Ocean Award (Science), shared with Dr. Dirk Zeller	Boat International & Blue Marine Foundation, London
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	UBC, Vancouver, Canada
July 17, 2015	American Fisheries Society Fellow	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, US.
March 8, 2012	Innovative Dissemination of Research Award (for the <i>Sea Around Us</i> website)	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	Oceana, 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
2005	Zayed International Prize for the Environment (shared with the many authors of the “Millenium Ecosystem Assessment”)	Zayed International Foundation
2005	International Cosmos Prize	Expo '90 Foundation, Osaka, Japan
2005	Honorary Doctorate	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, BC, 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	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.
July 1979– June 1980	ICLARM Post-Doctoral Fellowship	Manila, Philippines
1970–1974	Villigst Foundation Fellowship	Lutheran Church Foundation; for 'hochbegabte' (highly gifted) students, Germany

## Major profiles and interviews

### Profiles

*Terre Sauvage*, “Daniel Pauly – Combattant des Océans, p. 46-48, No. 399, March 30, 2022  
*Vancouver Sun*, “Fisheries scientist Daniel Pauly’s life is one for the books”. October 26, 2021.  
*Scientific American*, “Bringing fisheries back from the brink”, September 23, 2021.  
*La Croix*, “Daniel Pauly, lanceur d’alerte océanique”, July 3, 2019.

- Telerama*, “L’océanographe Daniel Pauly : “Un jour, il ne restera que du poisson d’élevage ou du surimi”. May 8, 2019.
- Mongabay, “Daniel Pauly, el científico que investiga los mares para ayudar a las personas”. April 19, 2018.
- Radio-Canada, “Le biologiste Daniel Pauly a été nommé chevalier de la Légion d’honneur”. November 17, 2017.
- Radio-Canada, “Daniel Pauly: la science comme échappatoire”. December 29, 2016.
- El País Semanal* (Spain), “Daniel Pauly : Los próximos 10 años decidirán el futuro de nuestra civilización”. July 5, 2009.
- Libération* (France), “Il ne laisse rien filet” by Michel Henry, April 14, 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 wins 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.

## Interviews

### Television & Radio

- CBC North by Northwest with Sheryl MacKay, “Dr. Daniel Pauly, oceans and fisheries scientist and professor at UBC, on his extraordinary life and work”. October 23, 2021.
- BBC, “Extinction: The facts”. September 13, 2020.
- Radio-Canada, “La biographie Daniel Pauly, un océan de combats: Entrevue avec le biologiste”. July 2, 2019.
- 28 Minutes – ARTE: Daniel Pauly / USA-Europe: partageons-nous encore les mêmes valeurs? June 6, 2019.
- Radio Canadá Internacional: Esclavitud moderna y sobrepesca en las profundidades marinas. November 13, 2018.
- CBC Radio: Data for social good. November 8, 2018.
- American podcast: Climate change might shrink fish. August 29, 2017.
- Radio France Internationale: Climat: les poissons rétrécissent! Avec le biologiste Daniel Pauly. September 9, 2017.
- CBC Quirks and Quarks: The dangers of underestimating overfishing. January 23, 2016.
- Global: Overfishing is underreported, says a new UBC study. January 19, 2016.
- ABC: SE Asian waters devastated - fisheries close to collapse. April 17, 2015.
- ABC Catalyst: Sustainable Fishing. June 13, 2013.
- CBC Sunday Edition: Migrating by the millions. September 5, 2010.
- BBC The Food Programme: Jake’s Sustainable Fish. April 12, 2010.
- NPR: The perils of over-fishing, part I & II. November 2 - 3, 2009.
- Televisió de Catalunya: El medi ambient. Repensar la pesca. 2008.
- TV 2 Nyhetene: Laksen spiser fattige menneskers mat by Christian Magnus. November 3, 2008.
- ABC Radio Australia: Fish catches unreported. July 11, 2008.

Knowledge Network: The Leading Edge; segment “A Subsidized Collapse”. February 25, 2008.

CBC Newsworld: Oceans conference. February 22, 2007.

CHTV: Are we killing the world’s oceans? Conference at UVic. February 20, 2007.

CBC Radio: Sounds Like Canada. October 30, 2006.

CBC Radio: Sounds Like Canada. April 19, 2006.

CBC Newsworld: Deep sea destruction? June 10, 2005.

National Public Radio: Shifting Baselines: Opening the Ocean to Minorities. December 9, 2003.

Wisconsin Public Radio: To the best of our knowledge. June 22, 2003.

ScienCentral: Science News. March 27, 2003.

Discovery Channel: Biomass reductions in the North Atlantic. Discovery Canada. February 22, 2002.

NBC 6 Miami: Ecowatch. 2002.

TV 2 Norway: Dokument 2: Det vi skal leve av (Our livelihood). (No date).

### **Newspapers/Magazines**

*El Mundo*, “Daniel Pauly: La pesca es un monstruo, un ‘lobby’ que nos engana”. September 21, 2021.

*Science & Vie*, “Surpêche, Seaspiracy, réchauffement climatique : état des lieux avec Daniel Pauly”. September 19, 2021.

*Canadian Geographic*, “Where have all the fish gone?”. May 22, 2019.

*Star Vancouver*, “How Canadian consumers are eating seafood caught by modern-day slaves”. November 7, 2018.

*El País*, “Al ritmo actual, no habrá pescado para todos”. September 3, 2018.

*National Geographic*, “Climate change may shrink the world’s fish”. August 21, 2017

*The Guardian*, “Marine expert warns of climate emergency as fish abandon tropical waters”. June 15, 2017.

*Science*, “Official statistics understate global fish catch, new estimate concludes”. January 19, 2016.

*The Washington Post*, “Why we’ve been hugely underestimating the overfishing of the oceans”. January 19, 2016.

*Vancouver Magazine*, “An ocean half empty”; interview with Andrew Findlay, 47(4): 46-50. May 2014.

*The Globe and Mail*, “China's numbers don’t add up; Marine biologist's research shows the full extent of over-fishing and under-reporting”. April 5, 2013.

*Magazine Océano*. “Entrevista: Daniel Pauly”. No 3: 30-41, March 2013 [In Spanish and Portuguese].

*The Washington Post*, “The end of fish, in one chart”, May 19, 2012.

*Nature*, “Marine protection goes large”, May 16, 2011.

*The Globe and Mail*, “Failure to report on fishery undermines Canada’s claim to Arctic”, February 4, 2011.

*Scientific American*, “What's the catch? Researchers wrangle over how to measure commercial fishing’s impact on ocean biodiversity”, December 2010.

*Le Monde*, “Polémique autour de la pêche certifiée « durable »”, September 2010.

*Fisherman Life*, “An interview with Daniel Pauly”, March 2008.

*Nature*, “Lifeline: Daniel Pauly”, January 2, 2003.

*Vancouver Sun*: Looking for bigger fish to fry. Nov. 5, 1999.

## Conferences/Workshops organized

- Workshop on ‘Utilisation de la méthode CMSY pour l’évaluation des stocks de petits pélagiques en Afrique de l’Ouest’, Dakar, Sénégal, 23–27 septembre, 2019. [With Dr. M.L.D. Palomares]
- Workshop on ‘Use of the CMSY/LBB Tools for the Assessment of Chinese Stocks,’ Institute of Oceanology, Chinese Academy of Science, Qingdao, China, June 18–20, 2019 [With Drs. M.L.D. Palomares and C. Liang]
- 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 on editorial boards**

*Science*, Member of the Advisory Board (from July 1, 2020, for 2 years)

*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 2012

*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, Fisheries in Developing Countries, 1985 to 1994

*Marine and Freshwater Research* (formerly *Austr. J. Mar. Freshwat. Res.*), 1997 to 2007

*Reviews in Fish Biology and Fisheries*, Editorial Board Member, 1991 to 1999

## **Memberships in societies/panels**

Aquatic Science and Fisheries Abstracts (ASFA), member of Strategic Advisory Group, February to December 2019

Swire Trust Marine Advisory Panel (Hong Kong), January 1, 2019 to December 31, 2022

Parc National de la Mer de Corail, New Caledonia. Member, Scientific Committee, 2018-2020

British Columbia's Emerging Economy Task Force. Member, July 10, 2018 to December 2019

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 (Ecology & Conservation) – Jury Chair from January 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 to 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 (Universidad Autonoma de Campeche & Mexico's Secretaria de Educacion Publica), Member of the Scientific Council, 1991 to 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 to 2014

Millennium Ecosystem Assessment: Coordinating Lead Author for ‘Marine Systems’, 2002 to 2005

National Geographic ‘Ocean Advisory Board’, 2010 to 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 to 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’, from induction on September 20, 2013 to December 2015

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**

Evaluating the impacts of legal and illegal fishing on the fish resources of Coiba National Park, Panama, for UNESCO, May to June 2018

Advising the NWFSC Modeling Trends in Fish Abundance in Gulf of Mexico pre/post Spill. Project, 2014 to 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 to 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 (2019–1980; excluding UBC)**

- Atelier : Utilisation de la méthode CMSY pour l'évaluation des stocks ouest-africains, 23–27 septembre 2019, Dakar, Sénégal. *Sea Around Us*, Commission Sous-Régionale des Pêches et MAVA Fondation.
- Workshop on ‘Use of the CMSY/LBB Tools for the Assessment of Chinese Stocks,’ Institute of Oceanology, Chinese Academy of Science, Qingdao, China, June 18–20, 2019.
- Ocean Conservation Masterclass: ‘studying ocean conservation on a global basis’ (4 days with 2 times 1-hour lecture each), University of Western Australia, Perth, May 21 to 24, 2018.
- Ocean Conservation Masterclass: studying ocean conservation on a global basis’ (5 days with 2 times 1-hour lecture each), University of Western Australia, Perth, May 22–26, 2017.
- 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 Ecosystémique, 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 [Also: 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 Investigação 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 to 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 (2020 –1997)**

- Schijns, Rebecca. 2020. What has Canada caught, and how much is left? Reconstructing and assessing fisheries in three oceans. MSc Thesis, University of British Columbia, Vancouver, 128 p.
- Khalfallah, Myriam. 2020. Data-poor fisheries: Case studies from the Southern Mediterranean and the Arabian Peninsula. Ph.D. thesis, the University of British Columbia, Vancouver, Canada: 349 p.
- Cashion, Madeline. 2018. Evaluating and enhancing the taxonomic resolution of shark and ray (Subclass Elasmobranchii) catch statistics in the Mediterranean and Black Seas (1950–2014) MSc thesis, University of British Columbia, Vancouver, 70 p.
- 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 impact 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.
- Paleczny, 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 mode 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, University 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, Mathematische-Naturwissenschaftliche 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 key publication)**

- Khalfallah, Myriam (2020–2021): Khalfallah, M., B. Derrick, D. Zeller and D. Pauly. 2021. The Persian Gulf: Catch reconstructions update to 2018, p. 329–345 In: B. Derrick, M. Khalfallah, V. Relano, D. Zeller and D. Pauly (eds). *Updating to 2018 the 1950-2010 Marine Catch Reconstructions of the Sea Around Us. Part II: The Americas and Asia-Pacific*. Fisheries Centre Research Report 28(6).
- Brotz, Lucas (2017–2018): Brotz, L. and D. Pauly 2017. Studying jellyfish fisheries: toward accurate national catch reports and appropriate methods for stock assessments, p. 313–329 In: G.L. Mariottini (ed.) *Jellyfish: Ecology, Distribution Patterns and Human Interactions*. Nova Publishers, Hauppauge, New York.
- Teh, Lydia C.L. (2012–2016): Teh, L.C.L and D. Pauly. 2018. Who brings in the fish? The relative contribution of small-scale and industrial fisheries to food security in Southeast Asia. *Frontiers in Marine Science* doi: 10.3389/fmars.2018.00044.
- 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.W.Y, 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* (2020–1988)

- Pauly, D. Member of the Advisory Board of *Science* (from July 1, 2020, for 2 years)
- J.J. 2020. Economic losses from illicit trade; mini review of a paper (doi: 10.1126/sciadv.aaz3801), *Science* 369: 996.
- Pauly, D. 2020. Sidney Holt (1926–2019): influential fisheries scientist and savior of whales. *Science* 367(6479): 744; doi 10.1126/science.abat8964.
- Anon. 2019. “Micronutrient richness of global catches” featured in ‘365 Highlights from New and Views’. *Nature*, 576: 394–395.
- Pauly, D. 2019. Micronutrient richness of global catches. *Nature*/ doi.org/10.1038/d41586-019-02810-2.
- Kiser, B. 2019. World of Addiction, Zen cosmology, and the Impending Aquacalypse. *Nature* 569: 629. [Nature’s Best Science Pick of the Week; mini-review of ‘Vanishing Fish’].
- Pauly, D. 2018. The future of artisanal fishing: review of “Fishing Lessons: artisanal fisheries and the future of our oceans.” *Science* 360: 161.
- Anon. 2017. “Trend watch: Throwaway Culture.” [Feature on: Zeller, D., T. Cashion, M.L.D. Palomares and D. Pauly. 2017. Global marine fisheries discards: a synthesis of reconstructed data. *Fish and Fisheries*, doi:10.1111/faf.123], *Nature* 547: p. 11.

- 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.
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### **Invited Zoom lectures/formal presentations (since mid-March 2020)**

- March 16, *The Past And Future Of Global Marine Fisheries* - Congreso Futuro, Santiago de Chile, [https://www.youtube.com/watch?v=ol4\\_X2rS\\_Z0](https://www.youtube.com/watch?v=ol4_X2rS_Z0)
- January 18, 2022. *Aquacalypse: the Impact of Fisheries and global warming on marine ecosystems* Congreso Futuro, Santiago de Chile.
- January 17, 2022. *Fisheries catches and the mean temperature of the catch from historical and archeological records*. Meeting on “Climate and pre-industrial human impacts on marine ecosystems: crossing disciplinary boundaries’ Q-Mare, <https://pastglobalchanges.org/science/wg/q-mare/intro> .
- October 11, 2021. *Fish growth, reproduction and global warming: how they relate*. Ibero-American Symposium on Reproductive Ecology, Recruitment and Fisheries (V SIBECORP), Ibero-American Research Network for the Sustainable Use of Fisheries Resources (INVIPESCA), University of Magdalena, Santa Marta, Colombia.
- September @@ World Fisheries Congress, Adelaide, Australia.
- August 24, 2021. *Why fish move poleward as temperatures increase*. Sea Change: Fish and Fisheries Managers Respond to Climate Change. Institute for Journalism & Natural Resources.
- July 22, 2021. *Fish Must Breathe*. Conference keynote, 16th National Symposium on Marine Science, Philippines Association of Marine Sciences, Caraga State University, Philippines.
- July 8, 2021. *Why do fish reach first maturity when they do?* Jack Jones (Keynote) Lecture. Fish, Fisheries and Ecosystems in the Anthropocene, Fisheries Society of the British Isles 2021 Online Symposium, Leuven, Belgium.
- May 18. 2021. *The Management of Global Fisheries*. Brock House Society Tuesday Morning Lectures, UBC, Vancouver.

- May 15, 2021. *Vanishing Fish: Shifting Baselines and the Future of Global Fisheries*. SeaTalks, Saturna Island Marine Research & Education Society, B.C.
- April 22, 2021. *The Gill-Oxygen Limitation Theory (GOLT)*. Public lecture for the five marine institutes under the umbrella of the Spanish National Research Council, Institute of Marine Research in Vigo, Spain.
- April 21, 2021. *Fish gills and their growth*. Panther Talk:- Rainier Valley Leadership Academy, Seattle, USA.
- April 14, 2021. *The state of global fish stocks and overfishing*. Online seminar celebrating WWF Finland's 60<sup>th</sup> anniversary, Helsinki, Finland; <https://youtu.be/bBar2ThC4wE>
- April 8, 2021. *Poissons : notre appétit ravageur*. Coeur des science - Université du Québec à Montréal, Canada.
- March 16, 2021. *Tropical fish and invertebrates in warming and deoxygenating oceans*. Virtual ZMT Alumni Conference on 'Data management and collaboration for tackling marine challenges', Leibniz-Zentrum für Marine Tropenforschung (ZMT), Bremen.
- March 12, 2021. *Assessing the status of exploited tropical fish populations: the challenges and their solutions*. Online conference on : Sustainable Marine Fisheries and Aquaculture: Policies, Packages and Perspectives in the Blue Economy Paradigm, University of Kerala and Shastri Indo-Canadian Institute, Kerala, India.
- February 7, 2021. *The Gill-Oxygen Limitation Theory (GOLT): application to the fish and invertebrates of Iberoamérica*. Foro Iberoamericano de los Recursos Marinos y la Acuicultura (FIRMA).
- @November 24, 2020. Why water-breathers such as fish are sensitive to ocean warming and deoxygenation. Public lecture, Departamento de Manejo Pesquero y Medio Ambiente, Facultad de Pesquería, Universidad Nacional Agraria La Molina, Lima, Peru.
- November 16, 2020. Why water-breathers such as fish are sensitive to ocean warming and deoxygenation. Bren Seminar, Bren School of Environmental Science & Management, University of California – Santa Barbara, USA.
- October 1, 2020. Temperature, Oxygen and the Biology of Fish: Exploring the Gill-Oxygen Limitation Theory. Colombia 2020, International Conference on Marine Science: Tropical Oceans for the future. CEMarin 10th anniversary. Corporation Center of Excellence in Marine Sciences-CEMarin, Bogotá, Colombia.
- October 1, 2020. El crecimiento de la pesca artesanal en el Perú de 1950 al 2018. Panel discussion. Oceana Peru, Lima, Peru. <https://www.youtube.com/watch?v=ahWep1LYDAU>
- September 25, 2020. Illegal, unreported and unregulated fishing around the world. Celebrating 50 Years: Smithsonian Magazine and Earth Day, Washington DC, USA.
- September 2, 2020. Shrinking, gasping, and disappearing fish: how climate change and fishing policy impact marine ecosystems and the bold actions needed to protect ocean health. Yale Law Speaker Series "One Health: The Inseparable Fates of Humans, Animals, and the Planet." Law, Ethics, and Animals Program at the Yale Law School, New Haven, USA.
- September 1, 2020. The global impact of fisheries and global warming on marine ecosystems. Shoals Marine Laboratory's Rock Talk Seminar Series, Maine, USA. <https://www.youtube.com/watch?v=0PzMtsDqzVo>.
- July 8, 2020. Fisheries Subsidies: how can leaders use the trade system to deliver for people and planet? International Institute for Sustainable Development's webinar, organized together with Pew Charitable Trusts, the International Chamber of Commerce and the World Economic Forum's MC2020 dialogue. Châtelaine, Switzerland. <https://www.youtube.com/watch?v=zHiVlsBWJpg&feature=youtu.be>
- June 23, 2020. Major trends in marine fisheries. Sciaena Webinar. Universidade do Algarve, Faro, Portugal. <https://www.youtube.com/watch?v=gIfZrgpOAYY>

### **In-person lectures/formal presentations (March 2020 – 1976)**

- September, 30, 2021. *Revisiting a Perfect Ocean: Fisheries and Ecosystems of the Northwest Atlantic*. [in French] Opening Lecture - First Franco-Canadian Congress on Aquatic Science. St Pierre et Miquelon., 30 Sept. to Oct. 3, 2021.

- Marseille, September 11, 2021. *An Introduction to Gill-Oxygen Limitation Theory (GOLT)* [in French] Aix-Marseille Université, France.
- Paris, September 6, 2021. *Why do fish reach first maturity when they do?* FishBase Symposium, Muséum National d'Histoire Naturelle, France.
- Vancouver, March 12, 2020. *Navigating towards ecologically safe and socially just fisheries* (with Anne Salomon and Barbara Wilson). Simon Fraser University Harbour Centre.
- Hornby Island, March 7, 2020. *The impact of fisheries and global warming on marine ecosystems*. Fourth Annual Herringfest, Conservancy Hornby Island, B.C.
- Campbell River, October 16, 2019. *The impact of fisheries and global warming on marine ecosystems*. 10<sup>th</sup> Haig-Brown Memorial Lecture. Campbell River Community Arts Council, Haig-Brown Institute and Museum at Campbell River, British Columbia.
- Vienna, 3 October 2019. *Impact of fisheries on the world's marine ecosystems*. Enquete: Nachhaltige Beschaffung von Fisch und Fischprodukten. Stadt Wien, Shifting Values und Tierschutz Ombudstelle Wien.
- Alicante, 30 September 2019. *Studying the impact of fisheries and global warming on marine ecosystems*. Master Course Inaugural Lecture, University of Alicante, Spain.
- Dakar, 24 September 2019. Pourquoi devons-nous gérer les pêches ? Utilisation de la méthode CMSY pour l'évaluation des stocks ouest-africains., 23–27 septembre 2019, Dakar, Sénégal [with other lectures on 25–27 September]
- Perth, September 11, 2019. Public seminar: *New ways to view complex oceans data*. Ocean Institute, University of Western Australia.
- Medellin, July 17, 2019. *Fish Must Breathe: Outline of the Gill-Oxygen Limitation Theory (GOLT)*. XV Congreso Colombiano de Ictiología y VI Encuentro de Ictiólogos Suramericanos, Medellín, Colombia.
- Nouméa, June 25, 2019. *Les impacts de la pêche et du réchauffement climatique sur les écosystèmes marins*. Workshop on Biodiversity in Oceania– an IPBES/IRD event, CPS, Nouméa, 24–25 June, 2019.
- Qingdao, June 18, 2019. *Why we need to manage fisheries*. Workshop on 'Use of the CMSY/LBB Tools for the Assessment of Chinese Stocks', 18-20 June, Institute of Oceanology, Chinese Academy of Science, Qingdao, China. [Also: lectures on the CMSY and LBB stock assessment methods].
- Hong Kong, June 13, 2019. *An overview of global marine fisheries*. Swire Trust - Marine Stakeholders' Meeting.
- Dunedin, May 23, 2019. *The Impact of Fishing on the World's Oceans*. Science Communication Association of New Zealand. University of Otago, New Zealand.
- Wellington, May 22, 2019. *The Impact of Fishing on the World's Oceans*. Science Communication Association of New Zealand. Victoria University, New Zealand.
- Auckland, May 21, 2019. *The Impact of Fishing on the World's Oceans*. Science Communication Association of New Zealand. Auckland Centre, University of Otago, New Zealand.
- Perth, May 13, 2019. *The Sea Around Us' vision for the Global Fishing Index*. Global Fishing Index Workshop, 13-15 May. Minderoo Foundation, Forrest Hall, Perth, Western Australia. [Same venue and day: *20 years of the Sea Around Us - July 1999 to June 2019*].
- Irvine, April 25, 2019. *The Human Conquest of the Earth and the Ocean*. In: Conference on 'Economic Transition in the Anthropocene'. Beckman Center, Irvine, California.
- Bremen, April 4, 2019. *Ansprache in Namen der Studenten von Professor Hempel*. Feierlichkeiten zum 90. Geburtstag von Professor Gotthilf Hempel, Bremer Rathaus, Bremen, Germany.
- Dakar, February 19, 2019. *Assessing "all" the fish stocks in the world, including small pelagics in Northwest Africa*. Réunion annuelle de coordination du projet AGD-Pélagiques. Commission Sous-régionale des Pêches/Fondation Mava, Sénégal.
- Belem, January 28, 2019. *Fish Must Breathe: Outline of the Gill-Oxygen Limitation Theory (GOLT)*. Plenary lecture, Encontro Brasileiro de Ictiologia (EBI), Do rio ao mar..., Brazilian Ichthyological Society, Brazil. [Also, at same venue and same day: *FishBase and SeaLifeBase: Origins and Dissemination*; on Jan. 29: *Assessing "all" the fish stocks in the world, including Brazil's*, Oceana Side Event: Overview of EBFM in Data-poor Fisheries].
- São Paulo, January 26, 2019. *Everything Ends on the Sea: Human impacts on the seas and the fishing industry*. FRU.TO, Diálogo do Alimento. São Paulo, Brazil.

- San Diego, November 13, 2018. *Catch Reconstruction Research Shows Declining Global Fisheries Supplies*. Seafood. Session on ‘Oceans and Public Health: Sustainability and Equity Challenges,’ American Public Health Association Annual Meeting and Expo.
- Dana Point, November 1, 2008. *The Impacts of Fisheries and Climate Change on the World’s Marine Ecosystems*. Nicholas Endowment Speaker Series at the Ocean Institute. California, November 1, 2018
- Sooke, B.C. October 2018. *Assessing “all” the fish stocks in the world using CMSY*. Pew Fellows Program in Marine Conservation 2018 Annual Meeting, Canada.
- Singapore, September 25, 2018. Keynote: *Overview of the fisheries in the South China Sea*. The South China Sea Cooperation: Progress, Problems and Prospects. S. Rajaratnam School of International Studies, Nanyang Technological University.
- New York, September 21, 2018. *Thoughts on Interdisciplinarity*. Launch of the Center for Environmental and Animal Protection, New York University.
- Kiel, September 6, 2018. *Fish Must Breathe: Outline of the Gill-Oxygen Limitation Theory (GOLT)*. Ocean Deoxygenation: Drivers and Consequences – Past, Present, Future, 5-7 September 2018 [Replacement Plenary Presentation]. Also: Sept. 5: *Fish Must Breathe: How Temperature and Dissolved Oxygen Shape their Biology*. Sixteenth FishBase Symposium, Geomar, Kiel.
- Sydney, August 15, 2018. The Growth of Fish in Light of the Gill-Oxygen Limitation Theory (GOLT). Australian Museum Research Institute Special Seminar. Australia.
- Nürnberg, June 16, 2018. *Shifting Baselines and the Impacts of Fisheries and Climate Change on the World’s Marine Ecosystems*. International Symposium on Research & Conservation in South America (ISFAS), June 16–17, Nuremberg Zoo, Germany.
- Hong Kong, June 7. 2018. *The global challenge of sea and ocean sustainability*. International Symposium on “China and the Sea: Maritime Economy and the Challenge of Sea and Ocean Sustainability.” French Center for Research on Contemporary China and Hong Kong University, Chow Yei Ching Building, June 7–8, Hong Kong SAR, China.
- Corfu, June 2, 2018. *Fish Must Breathe: Outline of the Gill-Oxygen Limitation Theory (GOLT)*. 12th Panhellenic Symposium of Oceanography and Fisheries, Corfu, Greece, June 2, 2018
- Bremen, May 29, 2018. *Stomping through memory lane: the why and how of ELEFAN*. Working Group on Length-Based Population Studies and Stock Assessments Zentrum für Marine Tropenforschung, Universität Bremen. [Also, on May 30, 2018: *Fish must breathe: how temperature and oxygen shape their biology*. ZMT Public Lecture]
- Perth, May 17, 2018. *Fish must breathe!* University Club, University of Western Australia.
- Exmouth, May 16, 2018. ~~Two Ways of~~ *Introducing the Gill-Oxygen Limitation Theory (GOLT)*. Australian Coral Reef Society – 91<sup>st</sup> Conference and AGM. Ningaloo Centre, Exmouth, Western Australia
- Toronto, May 3, 2018. *Fisheries and Global Warming: Impacts on Marine Ecosystems*. 4th Doctoral Environmental Science Colloquium University of Toronto, Scarborough.
- Lima, April 20, 2018. *Efectos del Cambio Climático en el Crecimiento de los Peces: la teoría de la limitación de oxígeno-branquias (Gill-Oxygen Limitation Theory - GOLT)*. Universidad Nacional Mayor de San Marcos, Peru. [Also, on April 19: *El impacto de las pesquerías y del cambio climático en los ecosistemas marinos*. Universidad Nacional Agraria La Molina, Lima, Peru]
- Qingdao, March 29, 2018. *Two Ways of Introducing Gill-Oxygen Limitation Theory (GOLT)*. Also, on April 2, 2018: *Impacts of Fisheries and Climate Change on the World’s Marine Ecosystems*. Key Laboratory of Marine Ecology & Environmental Sciences Institute of Oceanology, Chinese Academy of Science, China.
- Hong Kong, January to March 28, 2018: various lectures at Hong Kong University, the Royal Geography Society (March 21), Foundation Exchange (March 28) and three high schools (March 21 & 22), HKSAR, China.
- Idaho Falls, February 28, 2018. First Keynote lecture: *Scientist Must Write*. American Fisheries Society, Idaho Chapter, 36th Annual Meeting [Also: *Two Ways of Introducing Gill-Oxygen Limitation Theory (GOLT)*]
- Xiamen, January 18, 2018. *Two Ways of Introducing Gill-Oxygen Limitation Theory (GOLT)*. Third Institute of Oceanography. Xiamen, Fujian Province, China. [Also: *Impacts of Fisheries and Climate Change on the World’s Marine Ecosystems*. Xiamen University].



- Quezon City, January 12, 2018. *Catch reconstructions reveal that global marine fisheries catches are higher than reported (and declining) and Oxygen and the Evolution of Fishes*. Law Enforcement and Science: Restoring Filipino Fisheries. Oceana Philippines, Metro Manila.
- Orono, Dec. 7, 2017. *Two Ways of Introducing Gill-Oxygen Limitation Theory (GOLT)*. University of Maine.
- Kharkiv, November 8, 2017. *Evolution and Change in Marine Ecosystems*. First Plenary Presentation, II USERN Congress and Prize Festival, Ukraine, November 8-10, 2017 [Also, on Nov. 9: *The Human Conquest of the Earth and the Oceans*, same venue.]
- Fairbanks, November 3, 2017. *Impacts of Fisheries and Climate Change on the World's Marine Ecosystems*. Life Science Hour Seminar Series. Institute of Arctic Biology, University of Alaska. [Also, on the same day: *Major Trends in Fisheries: where they lead and how we turn them around*; undergraduate class]
- Puerto Ayora, October 25, 2017. *El cambio climático y sus impactos en las pesquerías del Océano Pacífico*. Taller internacional sobre cambio climático para las Islas Galápagos, del 25 al 29 de octubre de 2017, Galápagos, Ecuador.
- Puerto Varas, October 21, 2017. *Traditional Ecological Knowledge and Now*. Workshop on Integration and Models: Integrating fisher data with quantitative models and assessments. Pew Fellows in Marine Conservation Annual Meeting, Chile
- Papeete, October 5. *Major trends in fisheries: where they lead and how to turn them around*. Plenary Talk, 10<sup>th</sup> Indo-Pacific Fish Conference, Maison de la Culture, Tahiti, French Polynesia [Also, same location: *Marine Protected Areas are Natural Responses to Fisheries Expansion*. Session on "Marine Reserves as Tools for Ecosystem-Based Fisheries Management in the Indo-Pacific" (B2), 10th IPFC, Oct. 3: *L'évolution de la pêche dans le monde: quel future et quelles améliorations possibles?* Public lecture, Oct. 4 and *Les aires marines protégées : une réponse naturelle à l'expansion des pêcheries*, Pew/CESC Event on Issues in Marine Conservation, Oct. 7]
- Tervuren, September 6, 2017. *Pages in a Book vs. Gill Lamellae: Insights from Reviews of a Paper Reiterating the Gill-Oxygen Limitation Theory (GOLT)*. 15<sup>th</sup> FishBase Symposium, Royal Museum for Central Africa, Tervuren, Belgium.
- Cape Town, August 29, 2017. *Ocean warming and its effects on fish and fisheries, with emphasis on West and Northwest Africa*. At the Nexus of Climate Change and Fisheries: Strengthening Adaptation Capacity in Africa. Technical Consultation, The World Bank, September 29–31, South Africa.
- Crans-Montana, July 25. *Global marine fisheries as a system: why they are so few fish in the sea*. Planet of the Fire Apes: Workshop on Energy, Finance, Economy and Governance Risk. Switzerland.
- Bremen, June 29, 2017. *Fisheries and Global Warming: Impacts on Marine Ecosystems*. BEST Seminar, Universum Science Centre, University of Bremen.
- Darwin, June 16, 2017. *Fisheries and Global Warming: Impacts on Marine Ecosystems*. Charles Darwin University, Northern Territory, Australia.
- Perth, June 5, 2017. *On Philanthropy and Advocacy for the Oceans, or: why they need us*. WalkFree/Minderoo Foundation. Perth, Australia.
- Perth, May 25, 2017. *Fisheries and Global Warming: Impacts on Marine Ecosystems*. Institute of Advanced Studies Public Lectures, University of Western Australia.
- Salt Spring Islands, May 5, 2017. *Q and A on Global Fisheries and Related Issues*. Salt Spring Forum, Beaver Point Hall, Salt Spring Island, B.C., Canada.
- Vancouver, March 28, 2017. *Save our Seas: Why is Translating Science into Policy so Hard?* UBC's University Killam Lecture at Science World.
- Nalanda, March 17, 2017. *World Fisheries: why there are no longer enough fish in the sea*. Buddhism in the 21st Century, Perspective to Global Challenge and Crises (Session on Environment, Nature Conservation & Animal Welfare), Nalanda, Bihar, India.
- Victoria, March 11, 2017. *Mapping Fisheries for Small Pelagics and the Primary Production they Require*. International Symposium on Drivers of Dynamics of Small Pelagic Fish Resources, 6-11 March. Keynote of WG 6.
- 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*. Arctic Frontier Conference, 21–26 January, Norway.

- London, January 12, 2017. *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 13, 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.
- Nouméa, 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 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 Change. Beaty Museum and #FACTSvan16 (French Ameri- Can 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 écosystèmes marins*. Institut National Agronomique de Tunisie. [Also, December 1 : *Approches appropriées de la gestion des ressources de pêche en Méditerranée*. Institute 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, Fujian Province, 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, The 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).
- Washington, D.C., December 16, 2014. *Bottom-up catch reconstructions, with emphasis on West African LMEs*. Global Environmental Facility Brownbag Lunch.
- Rennes, November, 24, 2014. *Impacts de la pêche et du réchauffement climatique sur les écosystèmes marins*. Les conférences d'Agorra, Agrocampus.
- Tacoma, November 16, 2014. *Impacts of fisheries and global warming on marine ecosystems*. Keynote, Western Society of Naturalists Annual Meetings.
- Manila, 3 November 2014. *Global fisheries catch reconstructions, with emphasis on the Philippines*. National Symposium on Fisheries - the Road to Sustainable Fisheries Governance, Quezon City.
- Swakopmund, October 9, 2014. *Bottom-up catch reconstructions, with emphasis on West African LMEs*. 3rd Global LME Conference, Namibia.
- Kelowna, *Impact of fisheries and global warming on marine ecosystems*. Okanagan Water & Biodiversity Forum. September 17, 2014, UBC Okanagan.
- Glasgow, August 17, 2014. *The real fisheries catch of the world: global implications of reconstructions*. Third International Marine Conservation Congress.
- Viña del Mar, July 3, 2014. *Recoveries of collapsed stocks*. Seminario internacional : crisis pesquera – el desafío de revertirla. Oceana, Hotel Sheraton International, Viña del Mar, Chile. [In bad Spanish].
- Santiago, July 2, 2014. *Robbing Peter to Pay Paul: relationships between marine capture fisheries and aquaculture*, Monaco Blue Initiative, 5th Edition: Marine Governance and Local Participation. Old Parliament Building, Santiago, Chile.
- Cadiz, June 19, 2014. *Impacto de la pesca y del calentamiento global en los ecosistemas marinos*. Lecture given in conjunction with the awarding of an honorary doctorate from the University of Cadiz.
- North Vancouver, February 28, 2014. *Fishing down marine food chains*. EarthWork Lecture, Capilano University.
- Stockholm, January 29, 2014. “*The global footprint of distant-water nations*”; January 30: “*Opportunities and challenges for RFMOs*”. Conference on Global Trends in Fisheries Governance – Improving Sustainability. Swedish Agency for Marine and Freshwater Management.
- Los Baños, December 9, 2013. *Shrinking fish and climate change*. ISB Main Lecture Hall, University of the Philippines.
- Dakar, Novembre 26, 2013. *Understanding and Sharing the Riches of the Ocean*. Plenary Keynote [in French]. 7ième Forum - Partenariat régional pour la conservation de la zone côtière et marine en Afrique de l’ouest. King Fahd Palace Hotel.
- Wilmington, November 11, 2013. *Fisheries and Global Warming Impact on Marine Ecosystems*. Synergy Keynote, Burney Center, University of North Carolina at Wilmington. [This went along with a lecture to freshmen, and a Q& A session with seniors]
- Marseille, October 30, 2013. *How can you govern what you don’t know? A rationale for fisheries catch reconstruction*. Keynote lecture. Commission Internationale pour l’Exploration Scientifique de la Méditerranée, 40th Congress. The Pharo, Marseille, France.
- Dublin, October 18, 2013. *Catch reconstructions*. Plenary lecture. Pew Fellows in Marine Conservation Annual Meeting.
- Tokyo, October 10, 2013. *Changes in marine ecosystems caused by climate change and their impact on fisheries*. Joint Symposium on the State of the Ocean. Nippon Foundation and Pew Charitable Trusts. ANA InterContinental, Tokyo, Japan.
- Trivandrum, October 3, 2013. *Overfishing and global warming as threats to Indian marine fisheries: how real and what to do*. Keynote, International Conference on Ecosystem Conservation, Climate Change and Sustainable Development, University of Kerala, India.
- Thessaloniki, September 2, 2013. *Fish have temperature*. 11<sup>th</sup> FishBase Symposium: More Fish and More. Aristotle University of Thessaloniki, Greece.
- Santa Fe, June 25. *Impact of fisheries and global warming on marine ecosystems*. Santa Fe Institute, New Mexico.

- Dakar, June 5, 2013. *Briefing on reconstructed and IUU catches from Senegalese waters*, to the Director of the Departments of Fisheries of Senegal and his senior staff.
- Berkeley, April 4, 2013. *Impact of Fisheries and Global Warming on Marine Ecosystems*. ESPM Seminar Series, Mulford Hall, University of California at Berkeley.
- Fort Lauderdale, February, 19, 2013. *Eye-You-You, China (again) and Mordor: Tales about Fisheries Catches*. Nova Southeastern University. [Also, on same day and venue *Impact of fisheries and global warming on marine ecosystems*].
- Alicante, January 28, 2013. *Impacto de la pesca y del calentamiento global en los ecosistemas marinos*. Aula Cultural, Alicante, Spain.
- Corpus Christi, January 18, 2013. *Impact of fisheries and global warming on marine ecosystems*. Distinguished speaker Series, Texas A&M University.
- Gamboa, December 9, 2012. In: Workshop on Options for the Management of data-poor stocks. Pew Fellows Program in Marine Conservation, 2012 Annual Meeting, Panama.
- Sydney, December 4, 2012. *Plenty more fish in the sea*. University of Technology, Sydney, Australia.
- Sydney, December 4, 2012. *Breakfast Briefing*, New South Wales Parliament House.
- Hobart, November 30, 2012. *Opportunities ad threat: the future of Australia's fisheries*. Opening lecture, Blue Ocean Film Festival, Stanley Burbury Theatre, UTAS in Sandy Bay [Lecture repeated on December 1 at the Theatre North, Launceston, Tasmania]
- Rimouski, November 27, 2012. *Les grandes tendances dans les pêcheries du monde et leurs effets sur les écosystèmes*. Symposium Keynote. Forum québécois en science de la mer.
- Lima, November 5, 2012. *Presentation of Little Fish - Big Impact: Summary of a Report from the Lenfest Forage Fish Task Force* to the Peruvian 'Sociedad Nacional de Pesqueria,' Nov. 6: same presentation to the Peruvian Minister of the Environment and his senior staff.
- Lima, November 5, 2012. *Seguridad Alimentaria en un Mundo Cambiante : La Pesqueria y el Rol de las Universidades*. [Lecture + panel discussion]. Universidad Agraria La Molina, Peru.
- Santa Cruz, October 17, 2012. *Impact of fisheries and global warming on marine ecosystems*. University of California at Santa Cruz Ecology & Evolutionary Biology Seminar Series.
- Victoria, October 3, 2012. *The State of Global Fisheries*. Luncheon Address, Maritime Security Challenges Conference 2012. Victoria Conference Centre and Royal Rhoads University.
- Tervuren, September 11, 2012. *Completing catch reconstruction for all countries in the world*. FishBase Symposium, Royal Museum for Central Africa, Tervuren, Belgium.
- Leuven, September 10, 2012. *Impact of Fisheries and Global Warming on Marine Ecosystems*. BioSCENter – Science, engineering & technology Seminars, University of Leuven, Belgium.
- Paris, July 2012. *Fisheries in Large Marine Ecosystems*. IOC/UNESCO-IUCN-NOAA Large Marine Ecosystem 14<sup>th</sup> Consultative Committee Meeting.
- Brussels, July 11, 2012. *The Distant-Water Fisheries of China*. Presentation to the Fisheries Committee of the European Parliament.
- Peniche, May 24, 2012. *Impact of Fisheries and Global Warming on Marine Ecosystems*. Keynote International Meeting on Marine Resources, Portugal. [Remote video presentation]
- Montréal, May 11, 2012. *Les grandes tendances dans les pêcheries du monde et leurs effets sur les écosystèmes*. Grande Conférence, Centre de Recherches Mathématiques, Université de Montréal.
- La Jolla, May 9, 2012. *Jellyfish Burgers, or How We Changed the Oceans and They Changed Us*. Acceptance speech, Nierenberg Prize for Science in the Public interest, San Diego.
- Princeton, May 7, 2012. *Impact of and Global Warming on Marine Ecosystems and Food Security*. STEP Seminars. Princeton University.
- New York, April 11, 2012. *Fisheries and Climate Stresses on the Global Ocean*. 'Fish School' Nautica/Oceana.
- Rome, April 5, 2012. *Re-assessing the actual and potential contribution of marine fisheries to food security*. Lecture to FAO Department of Fisheries Staff.
- Nairobi, April 2, 2012. *A few Slides on Marine Fisheries vs. Food Security*. Roundtable meeting on fisheries and the right to food. UN/UNEP.
- Vancouver, B.C. February 17, 2012. *Lessons from a Use-inspired international Collaboration in Marine Research*. Symposium on "Successful Interdisciplinary Collaborations: Insights from Practice and Theory". AAAS Annual Meeting.
- Burnaby, B.C. 26 January 2012. *Major trends in marine fisheries and their ecosystem impact*. Simon Fraser University, Biological Sciences Departmental Seminar.

- Arlington, VA, December 15, 2011. *5 Easy Pieces*. U.S. Fish and Wildlife Service & Island Press.
- Vancouver, WA, November 12, 2011. *Major trends in world fisheries*. Western Society of Naturalists, Annual Symposium.
- Bergen, November 18, 2011. *Reconstructing the marine fisheries catch of countries in the North and the South: the findings so far and the implications for Norway*. Institute of Marine Research. Bergen, Norway.
- Paris, October, 13, 2011. *Fishing Down the Deep*. Institut Océanographique de Monaco.
- Hamburg, September, 22, 2011. *Wie ändern sich die Verteilung der Meeresfischarten mit der Erwärmung? Warnsignale Klima: die Meere –Änderungen & Risiken*. Universität Hamburg, Germany.
- Strasbourg, September 13, 2011. *The global significance of CFP reform. A global perspective on EU fisheries reform* - European Parliament/Oceana. [with >10 MEPs]
- Paris, July 12, 2011. *Fisheries Trends in Large Marine Ecosystems*. 13th LME Consultative Committee Meeting, 12-13 July 2011, IOC-UNESCO, France.
- Arendal, July 6, 2011. *Small-scale fisheries: an evaluation of their role in the coastal zones of the world*. Keynote, International Symposium on Integrated Coastal Zone Management, Institute of Marine Research, Norway.
- Tour du Valat, June 21, 2011. *Tendance des pêches mondiales et leurs impacts sur les écosystèmes*. Fondation Internationale du Banc d'Arguin, Camargue, France.
- Washington, D.C., June 9, 2011, Feeding the Nation: National Security and American Seafood, Capitol Hill Oceans Week (CHOW). National Marine Sanctuary Foundation.
- Cascais, May, 27, 2011, *Fisheries Sustainability and Food Security*. European Foundation Centre's Annual General Assembly and Conference, Portugal.
- La Jolla, May 25, 2011. *Cause and effects of the global expansion of marine fisheries from 1950 to the present*. Scripps Institution for Oceanography Ecology Seminar. California.
- Vancouver, May 9, 2011. *Getting Information on Fishes out of and into FishBase*. Kick-off Meeting, Wet Coast Aquarium Society [<http://www.wetcoastaquariumsociety.ca>].
- Laguna Beach, May 5, 2011. *What's Happening to the Deep Blue Sea*. Oceana 'Fish School', Oceana.
- Paris, April 28, 2011. *The Ocean as a System*. The Oceans: Green Shipping and Sustainable Energy. Institut Océanographique de Monaco. Maison des Océans.
- St Petersburg, April 15, 2011. *Fisheries and global warming, and their impacts on marine ecosystems and global food security*. CMS Eminent Scholar Lecture Series, College of Marine Science, University of South Florida.
- Oxford, April 12, 2011. *Fisheries-induced Stresses on the Global Ocean*. International Earth System Workshop on Ocean Stresses and Impacts. Somerville College.
- Squamish, B.C., January 23, 2011. *Crisis & Opportunity: The History and Future of Global Fisheries*, Brackendale Art Gallery,
- Seattle, December 15, 2010. *5 Easy Pieces: the Impact of Fisheries on Marine Ecosystems*. (or *Soundings: Fisheries, Ecosystems, and Scientific Thought*) Town Hall Center for Civic Life; co-sponsored by Island Press, Washington, D.C.
- Hakodate, December 7, 2010. *Present trends and the Future of Fisheries*. Graduate School of Fisheries Science, Hokkaido University.
- Tokyo, December 6, 2010. *We must fix this vicious circle!* Nereus Program Launch and Press Conference, Nippon Foundation Headquarters.
- Vancouver, November 30, 2010. Why global fisheries still have to invent sustainability. The Future of Seafood, Vancouver Aquarium.
- Ottawa, November 25, 2010. *Fisheries and global warming, and their impacts on marine ecosystems and global food security*. Bacon & Eggheads Breakfast Talk, Parliament Hill. [Also, same at NSERC on Nov. 24]
- Bellingham, October 19, 2010. *Fisheries and Global Warming Impacts on Marine Ecosystems and Food Security*. Topics in Fisheries, Western Washington University, WA.
- Geneva, September 30, 2010. *The State of the Ocean and the impact of subsidies*. World Trade Organization.
- Corvallis, August 10 & 11, 2010. *Fisheries and Global Warming Impacts on Marine Ecosystems and Food Security*. International Baccalaureate World Student Conference, Oregon State University.

- Mar del Plata, July 14, 2010. *Changes of jellyfish abundance: testing hypotheses at the large marine ecosystem scale*. Keynote Address, Third International Jellyfish Bloom Symposium, July 13-16, Argentina [also, on July 13: *Impacto de las pesquerías y el calentamiento global en los ecosistemas marinos*, Instituto Nacional de Investigación y Desarrollo Pesquero]
- Souris, PEI, June 16, 2010. *Crisis & Opportunity: the History and Future of Global Fisheries*. Time and a Place; Institute of Island Studies, University of Prince Edward Island, Canada.
- Lima, June 1, 2010. *Impacto de las pesquerías y el calentamiento global en los ecosistemas marinos*. Universidad Agraria La Molina, Peru.
- Galapagos Islands, April 7, 2010. TED Talk on “*Shifting Baselines*”. TED and National Geographic Mission Blue Expedition in Honor of Sylvia Earle, April 6-11, 2010, Ecuador.
- San Diego, February 20, 2010. *Beyond duplicity and ignorance in fisheries*. Mini-Symposium on Denial, Détente, and Decisions: Fisheries at the Crossroads. AAAS Annual Meeting – Bridging Science and Society, San Diego Convention Centre.
- Paris, 31 January, 2010. *Trends in Seafood Supply: Challenging Assumption in a Changing World*. Keynote Lecture, Seafood Summit. Paris Marriott Rive Gauche, Hotel & Conference Center.
- Faro, 29 January 2010. *Fisheries and Global Warming Impacts on Marine Ecosystems and Food Security*. Lecture on Occasion of the Honorary Doctorate Awarded to Daniel Pauly by the University of the Algarve, Portugal.
- San José, November 18, 2009. *Impacto de las pesquerías y el calentamiento global en los ecosistemas marinos*. Conferencia inaugural, Simposio : Las ciencias acuáticas en la Universidad de Costa Rica: 30 años de avances científicos. Costa Rica.
- Belize City, November 16, 2009. *World Fisheries at Risk: Causes and Solutions*. Bliss Institute and Oceana, Belize.
- Lima, November, 2009. *Impactos de la pesquerías y del calentamiento global en los ecosistemas marinos*. Universidad Peruana Cayetano Heredia, Peru.
- Cumaná, November, 2, 2009. *If you didn't like overfishing, you sure won't like global warming*. Keynote of the 62<sup>nd</sup> Meeting of the Gulf and Caribbean Fisheries Institute, Venezuela.
- Kansas City, October 29, 2009. *The impact of Darwin's Beagle voyage on marine biology*. The Grandeur of Life: A Celebration of Charles Darwin and the Origin of Species. Linda Hall Library.
- Santiago, September 21, 2009. *Impactos de la pesquerías y del calentamiento global en los ecosistemas marinos*. Salas de Sesiones de la Cámara de Diputados del ex Congreso Nacional, Bandera 46-52, Santiago, Chile.
- Rome, September 9, 2009. *Darwin, Names and Databases*. Mini-Symposium, FishBase Consortium. Food and Agriculture of the United Nations, Rome. ([ftp://ext-ftp.fao.org/FI/Reserved/FI\\_Seminars/FIMF/Sept\\_09\\_Minisymposium/](ftp://ext-ftp.fao.org/FI/Reserved/FI_Seminars/FIMF/Sept_09_Minisymposium/))
- Portland, July, 27, 2009. *Darwin's ichthyological collection and musings during his voyage on HMS Beagle*. Darwin Symposium, Joint Meeting of Ichthyologists and Herpetologists, Portland, Oregon, USA.
- Bremen, June 25, 2009. *Gasping Fish and Panting Squid: Oxygen, Temperature and the Growth of water-Breathing Animals*, Fachbereich 2: Biologie/Chemie, Bremen University, Germany.
- Bremerhaven, June 23, 2009. *Globale Fischbestände vor dem Kollaps: Über den Einfluß der Weltfischerei auf die Meere und die Ernährungssicherheit der Menschheit*. Schiffahrtsmuseum. Germany.
- Wageningen, June 9, 2009. *Fisheries and Global Warming Impacts on Marine Ecosystems and Food Security*. Wageningen University, The Netherlands.
- Rotterdam, June 8, 2009. *Our Oceans Now*. World Ocean Day. Oceanium, Blijdorp Zoo. Delft University of Technology and Erasmus University of Rotterdam.
- Washington, D.C. May 20, 2009. *Toward a Conservation Ethic for the Sea: Steps in a Personal and Intellectual Odyssey*. Opening Keynote, International Marine Science Congress. Smithsonian Institution [see [http://scienceblogs.com/guiltyplanet/2009/05/daniel\\_pauly\\_keynote\\_imcc.php](http://scienceblogs.com/guiltyplanet/2009/05/daniel_pauly_keynote_imcc.php)]
- Marseille, 20 March 2009. *Surpêche et réchauffement climatique: quels impact sur les océans?* (with Philippe Cury). Conférence Exceptionnelle, Institut de recherche pour le développement and World Trade Center, France.

- Montpellier, 17 mars 2009. *Les Poissons de Darwin: l'ichtyologie de voyage du Beagle*. Mare Nostrum/Montpellier Aquarium [also on March 19, in Sète, for Les Jeudis du CRH. Centre de Recherche Halieutique Méditerranéenne et Tropicale]
- Paris, 10 March 2009. *Les enjeux globaux de la pêche*. WWF and Pew Charitable Trusts.
- Bath, February 12, 2009. *Darwin's Fishes: The ichthyology of the voyage of the Beagle*. Bath Royal Literary and Scientific Institution.
- Sète, February 5, 2009. *Cinq Pièces Faciles: l'écriture d'un livre sur l'effet de la pêche sur les écosystèmes marins*. Les Jeudis du CRH. Centre de Recherche Halieutique Méditerranéenne et Tropicale, France.
- Washington, D.C. December 8, 2008. *Impact of Fisheries and Global Warming on Ecosystems and Food Security*. Oceana 'Fish School, Oceana Headquarters.
- West Lafayette, November 24, 2008. *Impact of Fisheries and Global Warming on Marine Ecosystems and Food Security*. Sigma Xi University Lecture, Purdue University, Indiana.
- Valencia, 13 November 2008. *Human impacts on coastal and shelf ecosystems: small-scale fisheries as a problem and a solution*. Plenary Lecture, World Conference on Marine Biodiversity, City of Arts and Science [Also, same venue, Nov. 14: *Thought on Kicking off the Session on 'Emerging Paradigms in Coastal Management Research'*].
- Tokyo, 17 October 20, 2008, Keynote: The Transformation of Seascapes by Fisheries and the Need for Marine Protected Areas. International Marine Environment Symposium. Greenpeace and United Nations University.
- Lübeck, 13 October 2008. How to Save the Ocean's Biodiversity (Working Group 3). Mehr als Wasser: Ozeane und globale Verantwortung. XVII Malente Symposium. Dräger Foundation, Zeit Stiftung and Kiel Marine Sciences.
- Barcelona, October 6, 2008. Acceptance speech, Ramon Margalef Ecology Prize. IUCN World Congress [Also: Invited Lecture on Fisheries Impacts on Marine Ecosystems, Institute of Marine Sciences, Oct. 7, and presentation on Effects of the 'whales-eat-fish' controversy on the food security of developing countries, 9 Oct., Workshop on Whales and Fisheries Interactions, IUCN World Congress]
- Venice, September 26, 2008. Fisheries and Global Change Impact on Marine Ecosystems and Food Security. Food and Water for Life: 4th World Conference on the Future of Science. Fondazione Umberto Veronesi, Fondazione Giorgio Cini and Fondazione Silvio Tronchetti Provera.
- Brussels, 18 September 2008. Toward Reforming the EU's Common Fisheries Policy. WWF Marine Breakfast Meeting. WWF European Policy Office. [Also on same day: Challenge Facing Fisheries Policy in Europe. Press Briefing, Brussels International Press Centre/Oceana].
- Masset, Haida Gwaii, August 21, 2008. The State of the World's Fisheries & where do we go from here [also on same day: Policy Briefing, Haida Fisheries Program, Skidegate, Haida Gwaii/Queen Charlotte Islands, BC. Canada].
- Fort Lauderdale, July 9, 2008. Coral reef fisheries: a re-assessment of their ecological and socioeconomic impacts. Plenary Lecture, 11th International Coral Reef Symposium, 7-11 July, Fort Lauderdale, Florida.
- Vancouver, May 13, 2008. On the Emergence of Fisheries Conservation Biology. Opening lecture, Symposium in Honour of Ram Myers. Canadian Society for Ecology and Evolution Annual General Meeting, 11-14 May, The University of British Columbia.
- Dakar, May 9, 2008. Whales and fish interactions: the scientific and policy debate. Introductory Lecture at the International Workshop on Whales & Fish Interactions: Are Great Whale a Threat to Fisheries? WWF and Lenfest Ocean Program, Dakar, Senegal, 8-9 May 2008.
- Toronto, April 19, 2008. Impacts of Fisheries and Global Warming on Marine Ecosystems and Food Security. Atwood Memorial Lecture, Ecology and Environmental Colloquium, University of Toronto.
- Wageningen, March 8, 2008. Impacts of Fisheries and Global Warming on Marine Ecosystems and Food Security. Symposium on Science and Governance at the Occasion of Dies Natalis and the Awarding of an Honorary Doctorate.
- Stony Brook, February 20, 2008. *Impacts of Fisheries and Global Warming on Marine Ecosystems and Food Security*. Consortium for Interdisciplinary Environmental Research, Wang Center, State University of New York.
- Vancouver, February 14, 2008. Science One Student Lecture. Leonard S. Klinck Building, UBC.



- Bellingham, Washington, January 31, 2008. *Impacts of Fisheries and Global Warming on Marine Ecosystems and Food Security*. ESCI 204: Oceans: Topics in Marine Sciences, Western Washington University.
- Leuven, February 5, 2008. *Impacts of Fisheries and Global Warming on Marine Ecosystems and Food Security*. “A future for Fisheries?” - a Symposium on Occasion of the Honorary Doctorate Awarded to Daniel Pauly by the Katholieke Universiteit Leuven, Belgium.
- Washington, DC, December 5, 2007. *Impact of Fisheries on Marine Ecosystems and Food Security*. Lecture to the Staff, Oceana Headquarters.
- Trieste, 28 November 2007. *SeaLifeBase as a support system for modelling marine ecosystems*. 6th European Conference on Ecological Modelling ECEM '07, Italy.
- Pacific Grove, November 16, 2007. *Fisheries and Global Warming: Impacts on Marine Ecosystems and Food Security*. Hopkins Marine Station, Stanford University.
- Amsterdam, 26 October 2007. *Fisheries and Global Warming: Impacts on Marine Ecosystems and Food Security*. “Changing Marine Environment”: Seminar in Ecology and Evolution, Institute for Biodiversity and Ecosystem Dynamics, University of Amsterdam.
- Cambridge, 9 October 2007. *Fisheries and Global Warming: Impacts on Marine Ecosystems and Food Security*. Symposium on “Earth System Revolution: Key Turning Points in the History of our Planet”. Massachusetts Institute of Technology.
- Vancouver, September 27, 2007. *Fisheries and Global Warming: Impacts on Marine Ecosystems and Food Security*. Pacific Institute for the Mathematical Sciences, 10th Anniversary Distinguished Lectures. UBC Asian Centre Auditorium.
- White Rock, September 21, 2007. *Fisheries and Global Warming: Impacts on Marine Ecosystems and Food Security*. “More Inconvenient Truths”; Keeway Lecture Series, Rotary Club, Wheelhouse Theatre, White Rock, B.C.
- Paris July 3, 2007. *Presentation of SeaLifeBase*. 12th meeting of the Subsidiary Body on Technical and Technological Advice (SBSTTA 12), Convention on Biological Diversity (CBD) and UNESCO.
- Gold Coast, June 25, 2007. *Growth and morality of jellyfishes*. Second International Jellyfish Blooms Symposium, 24–27 June, Gold Coast, Queensland, Australia.
- Montreal, May 25, 2007. *FishBase as an Example of a Biodiversity Database*. Université de Montréal/Jardin Botanique de Montréal.
- Bamfield, May 15, 2007. *Global Impact of Industrial Fishing on Marine Ecosystems and Food Security*. Inaugural Seminar - Distinguished Speaker Series. Bamfield Marine Science Centre, Vancouver Island, B.C.
- New York, April 12, 2007. *Competition between Whales and Fisheries*. Symposium on the State of Conservation of Whales in the 21st Century. Pew Charitable Trusts, Varda Group and UNDP. United Nations, N.Y.
- Vancouver, March 26, 2007. *Of mille-feuilles and hamburgers: how scientists can engage in society and policy*. Keynote Address. Knowledge for the Salish Sea: Towards Collaborative Transboundary Solutions. Georgia Basin - Puget Sound Research Conference, Vancouver, British Columbia, March 26–29, 2007.
- Washington, March 19, 2007. *Marine Fisheries and Ocean Ecosystems: a Global Problem in Search of Policy* (with B. Worm). American Meteorological Society’s Environmental Science Seminar Series. Russell Senate Office Building, Washington, D.C.
- Montreal, March 15, 2007. *Major Trends in Global Fisheries and their Impacts on Ecosystems and Food Security*. Robert H. Peters Seminar in Aquatic Ecosystem Ecology. Redpath Museum, McGill University.
- Vancouver, March 10, 2007. *Global Fisheries: Are The Gloom and Doom Justified?* Vancouver Institute and UBC Excellence in Research Lecture.
- Victoria, February 21, 2007. *Are we past the point of no return in mining fish from the sea?* Royal Society of Canada/University of Victoria, British Columbia.
- San Francisco, February 18, 2007. *Introductory Lectures: (a) An Introduction to Dedicated Access Privilege and their Economic, Environmental and Social Performance (Mini-Symposium on New Approaches to Fisheries Management: a Deeper Look at Dedicated Access Privilege); (b) Fishing Down the Deep – a Second Look (Mini-Symposium on The World Last Wildlife Hunt: Deep Sea Fisheries)*. AAAS Annual Meeting, 2007.

- Punta Cana, December 9, 2006. Fisheries Induced Changes in Marine Ecosystems: the Role for Conservation. Pew Fellows Program in Marine Conservation, Annual Meeting, Punta Cana Resort and Club, Dominican Republic
- Lima, December 1, 2006. La industria de harina y aceite de pescado y su impacto en las pesquerías mundiales. Universidad Peruana Cayetano Heredia, Lima, Peru.
- Lima, November 27, 2006. Trophic Modeling of the Peruvian Upwelling Ecosystem: Towards Reconciliation of Multiple Datasets. Opening Keynote, International Conference on the Humboldt Current System: Climate, Ocean Dynamics, Ecosystem Processes and Fisheries, Biblioteca Nacional del Peru.
- Stockholm, November 22, 2006. *Fisheries impact on marine ecosystems*. Devastating Management: how have fisheries and other human activities influenced lakes and seas. In Honor of His Majesty King Carl XVI Gustaf and to Celebrate His Majesty's 60<sup>th</sup> Birthday. Royal Swedish Academy of Science/Balti Sea 2020.
- Mobile, November 1, 2006. Global Trends in Fisheries: Impacts on Marine Ecosystems and Food Security. Wiese Distinguished Lecture Series, Mobile, Alabama
- Göteborg, October 23, and Stockholm, 26 October. 2006. *Impact of Fisheries on Marine Ecosystems*. Contribution to Panel on "Main Challenges for Sustainable Fishery", with the other two recipients of the 2006 Volvo Environment Prize.
- Cardiff, October 14, 2006. Science and Ethics. Invited lectures to the IBO Chief Examiners' Meeting. International Baccalaureate Organization.
- Hong Kong, June 24, 2006. Trends in World Fisheries: Impacts on Marine Ecosystems and Food Security. Invited lecture to the Marine Association of Hong Kong.
- Hong Kong, June 18–24, 2006. Coral Reef Fisheries: Global Trends and Prospects. Coral Reefs: Cooperation for Better Conservation. 1st Asia Pacific Coral Reef Symposium. Chinese University of Hong Kong.
- Manila, June 14–15, 2006. Overfishing in Tropical Developing Countries and Strategies to 'Rollback' the Process. Confronting the Interrelated Problems of Poverty, Growth and Overfishing "The Way Forward for the Philippines." Path Foundation, Bayview Park Hotel.
- Miami, April 25, 2006. Why there are deep fisheries. International Workshop on the Sustainability of Deep-Sea Fisheries. Marine Conservation Biology Institute/University of Miami.
- Cambridge, March 28–30, 2006. Global Trends in World Fisheries: Impact on Marine Ecosystems and Food Security. Student Conference on Conservation Science. University of Cambridge, UK.
- Trieste, March 23–25, 2006. Trends in World Fisheries: Impacts on Marine Ecosystems and Food Security. Conference/Workshop on Climate Change, Upwelling, Fisheries, and Coastal Communities. International Centre for Applied Physics and International Institute for Applied System Analysis.
- Princeton, February 27, 2006. Trends in World Fisheries: Impacts on Marine Ecosystems and Food Security. STEP/Bradford Lunchtime Seminars. Princeton University.
- Philadelphia, February 22, 2006. *The Global Crisis of Fisheries: The Role of Science and Outreach*. A Presentation to the Board of the Lenfest Foundation.
- Palo Alto, CA, February 16, 2006. *Fisheries in Crisis*. Vision and Substance - UBC Alumni Event and Fundraiser.
- Hamburg, November 17, 2005. *In a Perfect Ocean: Auswirkung der Fischerei auf marine Ökosysteme*. Ökozertifizierung in der Fischerei-Ein Beitrag zum Schutz mariner Arten und Lebensräume. Ministry of the Environment.
- Kiel, November 16, 2005. *Global Trends in Marine Fisheries and their Effects on Marine Ecosystems*. Meereskundliches Kolloquium. IFM-GEOMAR.
- Moscow, Idaho, November 7, 2005. *Global Trends in Marine Fisheries*. Invited lecture, Department of Fish & Wildlife Resources, University of Idaho.
- Thessaloniki, November 22, 2005. *Global Trends in Marine Fisheries*. Honorary Doctorate Ceremony Lecture, Aristotle University, Thessaloniki, Greece.
- Vancouver, November 4, 2005. *Bad Graphs: an essential part of bad presentations*. Fish 500 Seminar. AERL Building, UBC. [Repeated annually from 2005 on]
- Tokyo, October 20, 2005. *Trends in World Fisheries: Implication for Food Security*. The Foreign Correspondents' Club of Japan.
- Osaka, October 18, 2005. Address by the Winner of the Cosmos Prize 2005, Expo '90 Foundation,
- Kyoto, October 15, 2005. *Major Trends in Marine Fisheries*. Doshisha University.

- Thessaloniki, August 31, 2005. *The Sea Around Us Project as a FishBase Partner*. FishBase Symposium: Fish and more... Aristotle University, Thessaloniki, Greece.
- Montreal, August 12, 2005. *Effects of Spatial and Temporal Scales on Evaluating World Fisheries Trends*. Special Session Annual Meeting of the Ecological Society of America.
- Providence, July 24, 2005. *Major Trends in Global Fisheries*. Grand Keynote, Annual Meeting. American Agriculture Economics Association.
- Brasilia, July 17, 2005. *Marine Biodiversity: Evaluation of Major Threats*. Edward T. LaRoe III Memorial Award Lecture, XIX Annual Meeting, Society of Conservation Biology. Universidade de Brasilia.
- Amsterdam, July 7, 2005. *Major Trends in Global Fisheries and Some Implications of the Social Sciences*. Keynote, People and the Seas III: New Directions in Coastal and Maritime Studies. Centre for Maritime Research Biannual Conference. University of Amsterdam.
- Vancouver, May 26, 2005. *Major Trends in Global Fisheries*. 2005 Forum, North American Association of Fisheries Economists, UBC.
- Seattle, May 9, 2005. *The Marine Trophic Index as Ecosystem Indicator: Implication for Research and Management*. National Academy Ocean Studies Board. Committee on Ecosystem Effects of Fishing.
- Vancouver, January 26, 2005. *Major Trends in Marine Fisheries and the Implications for Food Security*. UBC Science Week.
- Sopot, January 20–24, 2005. *Exclusive Economic Zones and the Structure of Global Fisheries*. The Baltic Sea: A Changing Ecosystem 5th Baltic Science Congress, Poland.
- Dalhousie, January 14, 2005. *Major Trends in Global Fisheries: what's going down & what's going up*. Creating a Positive Future for Fisheries and Coastal Communities Worldwide. Public Forum. International Ocean Institute, Dalhousie University and AQUALINK.
- Stockholm, December 6, 2004. *Using FishBase to Map Global Fisheries Trends*. 'Främmande Fiskar': A FishBase Symposium. Naturhistoriska Riksmuseet.
- Stralsund, December 2, 2004. *Impact of Fisheries on Marine Ecosystems*. Meeresnaturschutz 2004, Deutsches Meeresmuseum, Germany.
- Bremerhaven, December 1, 2004. *Können wir die Meere nachhaltig nutzen?* Vortrag des Alfred-Wegener Instituts im Deutschen Schiffahrtsmuseum.
- Hamburg, November 29, 2004. *Fisheries impacts on global marine biodiversity and ecosystems: Inferences from large heterogeneous data sets*. Ocean Biodiversity Informatics: An International Conference on Marine Biodiversity Data Management.
- Seattle, November 15, 2004. *Interactions of fisheries in ecosystems over time*. Improving Fisheries Management Conference. University of Washington.
- Ottawa, October 7, 2004. *Reverting to the Ocean's Primordial Ooze: A fresh look at global fisheries*. 4th World Conference of Science Journalists.
- Merida, October 5, 2004. *Global fisheries trends and their implications for Latin America and the Caribbean*. COASTFISH: Coastal Fisheries in Latin America and the Caribbean.
- Vancouver, August 25, 2004. *Trends in Fisheries and Fisheries Research*. Mensa Discussion Group, Vancouver.
- Auckland, August 17, 2004. *Major Trends in Global Fisheries*. Auckland Girls' Grammar School (and similar lectures in Wellington, Christchurch and Kaikoura, to August 21), New Zealand.
- London, July 21, 2004. *Trends in Global Fisheries: Implications for food security*. Public lecture sponsored by the Royal Society, Carlton House Terrace.
- Sorrento, July 19, 2004. *Competition between marine mammals and fisheries: food for thought*. International Whaling Commission meeting. [Presentation and Press Conference.]
- Monterey, July 16, 2004. *Endangered Ocean Life: Should International Baccalaureate Students care?* Annual Regional Conference, International Baccalaureate North America.
- Paris, June 23, 2004. *The Upper Trophic Levels in Ocean Basin Ecosystems*. Roger Revelle Award Lecture, Intergovernmental Oceanographic Commission. UNESCO.
- Washington, D.C., June 8, 2004. *The Crisis in the Fisheries Sector*. Global Fisheries Workshop on International Cooperation in Fisheries. The World Bank.
- Vancouver, May 2, 2004. *Reconciling fisheries with conservation: The challenge of managing aquatic ecosystems*. Grand Keynote, Fourth World Fisheries Congress.

- Paris, April 2, 2004. *Mapping indicators of the state of the world's marine ecosystems and A biodiversity-based data quality indicator for fisheries catch statistics*. SCOR/IOC International Symposium on Quantitative Ecosystem Indicators for Fisheries Management, UNESCO, France.
- San Juan, March 7, 2004. *Fisheries Impact on Marine Ecosystems: Food Security and Health Implications*. Pew Scholars Program in the Biomedical Science/Pew Latin American Fellows Program, Annual Meeting, Puerto Rico.
- Ann Arbor, January 26, 2004. *Fisheries impact on marine ecosystems: a global assessment, and the implications for food security*. Science, Society and Technology Program, University of Michigan.
- Vancouver, November 18, 2003. *Turning Fisheries Statistics into Insights: global impact of fisheries on marine ecosystems*. Special Interdisciplinary Lecture, Pacific Institute for the Mathematical Sciences, UBC.
- Boston, December 9, 2003. *Fisheries and the State of the Oceans*. Environmental Entrepreneurs' 'Ocean EcoSalon'. World Trade Center.
- San Diego, November 15, 2003. *The March of Folly as a metaphor for the recent history and the future of fisheries*. Marine Biodiversity: Using the Past to Inform the Future. Scripps Institution of Oceanography, La Jolla.
- Ottawa, November 7, 2003. *Fisheries impact on marine ecosystems, and their implications for global food security*. Gerhard Herzberg Lecture, Carleton University.
- Vancouver, November 4, 2003. *Not Just Fish: Global Overfishing and its Implications for Food Security and Distributive Justice*. Regent College/International Graduate School of Christian Studies. UBC.
- Narragansett, October 27, 2003. *Marine Fisheries: Global Trends and Ecosystem impacts*. Michael P. Metcalf Institute for Marine & Environmental Reporting. University of Rhode Island Graduate School of Oceanography.
- San Francisco, October 21, 2003. *Fisheries and the State of the Oceans*. Environmental Entrepreneurs' 'Ocean EcoSalon'. St. Francis Yacht Club.
- Blaine, October 18, 2003. *Oceans in the Balance: how the Sea Around Us Project Seized the Time*. Annual Meeting, Pew Fellows in Marine Conservation. Semiahmoo Resort, Blaine, WA.
- Québec City, August 11, 2003. *Worldwide declines of fish populations*. Grand Keynote, American Fisheries Society, 133rd Annual Meeting.
- Ottawa, June 23, 2003. *Fisheries as Commons*. Presentation at Panel on 'Beyond Borders: the Commons'. Environmental Grantmakers Association Fall Retreat, Fairmont Chateau Laurier Hotel.
- Banff, June 21, 2003. *Major Trends in Global Marine Fisheries*. Third Congress, International Geosphere-Biosphere Programme.
- Vancouver, June 13, 2003. *The State of North Atlantic Fisheries*. Lecture to the Committee on Transatlantic Economic Relations of the NATO Parliamentary Assembly, Liu Institute for Global Issues, University of British Columbia.
- Honolulu, June 11, 2003. *Ensuring fisheries sustainability through marine reserves and ocean zoning*. Western Pacific Fisheries Council, Honolulu, Hawai'i.
- New York, June 13, 2003. *Marine Fisheries and their Ecosystem Impact*. Session on Protection of Vulnerable Marine Ecosystems of the 'United Nations Open-ended Consultative Process on Oceans and the Law of the Sea.' 4th Meeting, United Nations.
- Victoria, May 13, 2003. *Making Ecosystem-based management work: connecting managers and researchers*. Fifth international Conference on Science and the Management of Protected Areas. University of Victoria, B.C.
- Vancouver, April 25, 2003. *Global Fisheries: from Anarchy and Crisis to Panarchy and Sustainability?* Workshop on Mutual Dependence and Mutual Vulnerability. Peter Wall Institute for Advanced Studies, UBC.
- Kiel, March 25, 2003. *Global trend in Fisheries*. Sonderkolloquium anlässlich der Verleihung einer Honorarprofessur. Institut für Meereskunde an der Universität Kiel.
- Zürich, March 23, 2003. *Trends in Global Marine Fisheries*. Keynote, Fifth International Conference on Environmental Future. Foundation for Environmental Conservation. Eidgenössische Technische Hochschule.
- Denver, February, 17, 2003. *Technological restraint and the transition toward sustainable fisheries*. Contribution to the Symposium on 'Shifting Gears: Bycatch and Habitat Impacts of Fishing.' Annual Meeting, AAAS.

- Seattle, January 30, 2003. *Assessing the global impact of fisheries on marine ecosystems: the first three years of the Sea Around Us project*. Bewan Lectures, School of Aquatic and Fisheries Science, University of Washington.
- Reykjavik, December 15., 2002. *Fish Population dynamics* and other lectures, United Nations University Fisheries Training Program, Institute of Marine Research, Reykjavik, December 15–19, 2002, Iceland.
- Woods Hole, November 22, 2002. *Global trend in fisheries and ecosystem health and their implications for ocean governance*. Distinguished Scientists Seminar. Woods Hole Oceanographic Institution.
- Rimouski, November 15, 2002. *Tendances globales des pêcheries marines: impacts sur les écosystèmes et la sécurité alimentaire*. L'importance des océans dans l'équilibre écologique et économique de la planète. 27ième Congrès annuel, Association des biologistes du Québec.
- Montréal, September 30, 2002. *Global Trends in Marine Fisheries: Impacts on Ecosystems and Food Security*. Public lecture sponsored by the Canadian Parks and Wilderness Society, Meakins Amphitheatre, McGill University.
- Brussels, July 4, 2002. *The State of North Atlantic and West African Fisheries Ecosystem: Implications for European Policy*. The European Policy Centre. [Lecture also given on same days at the EC's Directorate General for 'Fish']
- New York, June 5, 2002. *The global state of fisheries: implications for conservation*. Presentation to the Board and Headquarter Staff of the Natural Resources Defence Council. New York, N.Y.
- Bangkok, May 13, 2002. *Ecosystem-Based Approach for Coastal Zone Management*. Coastal Zone Asia-Pacific Conference on 'Improving the State of Coastal Areas.' [Plenary Keynote]
- Washington, D.C., April 12, 2002. *The State of Marine Ecosystems Worldwide: Lessons for the US?* Briefing to the House of Representatives' Oceans Caucus.
- Pacific Grove, CA, April 9, 2002. *The Unfolding Collapse of Global Fisheries: Implications for Food Security*. Invited lecture to The Friends of Hopkins Marine Station.
- Corvallis, April 8, 2002. *Mapping Fisheries onto Marine Ecosystems: a new tool for inference on basin-scale ecology and global food security*. Invited lecture, Oregon State University.
- New York, March 7, 2002. *The Crisis in Fisheries and Marine Biodiversity*. Invited presentation at the Conference on 'Sustaining Seascapes: the Science and Policy of Marine Resources Management.' American Museum of Natural History.
- San Diego, March 4, 2002. *Troubled Seas: the Fisheries Crisis*. Distinguished Speaker Series: Nature and Society – Putting Knowledge to Work. University of California at San Diego. [Also on same day: "Global Mapping of Fisheries: Methods and Lesson Learnt." Scripps Institution of Oceanography]
- College Station, Texas, February 19, 2002. *Global marine fisheries and their ecosystem impacts*. Texas A & M 125th Anniversary Celebration Symposium on 'A sustainable Gulf of Mexico: Research, Technology and Observations, 1950 to 2050s.'
- Boston, February 15, 2002. *Setting a Baseline: Fisheries and Ecosystems in 1900*. Symposium on 'Restoring the Richness of the Sea – Unrealized Potentials.' Annual Meeting, AAAS.
- Vancouver, February 7, 2002. *The Global Crisis of Fisheries: Implications for Food Security*. A Science First! Lecture. University of British Columbia.
- Paris, December 4, 2001. *Marine Fisheries and Mariculture at Rio+10*. Global Conference on Oceans and Coasts at Rio+10: Toward the 2002 World Summit on Sustainable Development.
- Miami, November 26, 2001. *The Global Status of Marine Fisheries: Limping into the 21st Century*. World Conference on Scientific and Technical Bases for the Sustainability of Fisheries. Rosenstiel School of Marine and Atmospheric Science, University of Miami.
- Reykjavík, October 4, 2001. *Mean trophic levels and related indices of ecosystem status*. SCOR/IOC Working Group 119 on 'Quantitative Ecosystem Indicators for Fisheries Management.'
- Gloucester Point, September 28, 2001. *The State of the North Atlantic Fisheries and their Supporting Ecosystems: a Map-based Approach*. Seminar Series, Virginia Institute of Marine Science.
- Reykjavík, September 24, 2001. *Ecological geography as a framework for a transition towards responsible fishing*. Session Keynote, Iceland-FAO Conference on Responsible Fisheries in the Marine Ecosystem.
- Hamburg, July 27, 2001. *Fischerei und Naturschutz: Wege zum Ausgleich der Interessen*. Festveranstaltung, 100 Jahre Deutsche Wissenschaftliche Kommission für Meeresforschung. Altonaer Museum, Hamburg-Altona.

- Rennes, July 2001. *Ecopath as a tool for ecosystem modelling*. Composante Ecopath du Cours SIAP en Gestion Écosystémique, juillet 3-5, 2001. Ecole Nationale Supérieure Agronomique de Rennes, France.
- Kiel, June 29, 2001. *The Importance of Thinking Big: Recent Developments in Ecosystem Modeling*. Meereskunde Kolloquium, Marine Science Institute, Kiel University.
- Rockport, June 12, 2001. *Fisheries impacts on marine ecosystems: they are worse than you thought*. Pew Ocean Commission, Maine, USA.
- Washington, D.C. June 5, 2001. *Mapping fisheries as a tool to evaluate their ecosystem impacts*. Marine Fish Conservation Network, Second Annual Meeting.
- Sidney, B.C., April 12, 2001. *Fisheries Impacts on Marine Ecosystems, or how physical oceanography became more important than it should be*. Institute of Ocean Sciences, Fisheries and Oceans Canada, 21st Century Lecture Series.
- San Francisco, February 18, 2001. *Down with Fisheries, Up with Aquaculture: implications of global trends in the mean trophic level of fishes*. Symposium on 'The Aquaculture Paradox: does fish farming supplement or deplete world fisheries?' Annual Meeting, AAAS.
- Woods Hole, February 2, 2001. *The Importance of Thinking Big: Addressing large-scale and global change issues through marine and fisheries biological research*. A Lecture to Honor Black History Month. Woods Hole Oceanographic Institution, Woods Hole, MA.
- Newport, January 8, 2001. @ Second Annual Distinguished Marine Scientist Colloquia, Hatfield Marine Science Center, Newport, Oregon.
- North Vancouver, October 26, 2000. *Fishing down marine food webs*. Capilano College Special Lectures in Science Series. North Vancouver, B.C.
- Seattle, October 10-12, 2000. Wooster Lectures in Ocean and Fishery Sciences. A series of three lectures sponsored by the College of Ocean and Fishery Sciences, University of Washington.
- Brugge, September 27, 2000. *Fisheries and Conservation: a Program for their Reconciliation*. 'Open Lecture' (Symposium Keynote), International Council for the Exploration of the Seas, Annual Science Meeting.
- Taipei, August 8, 2000. Ecopath as a tool from ecosystem modeling. APEC/OMISAR Workshop on Marine Ecosystem Analysis and Modeling for the APEC Region, August 7–10, 2000, Taiwan.
- Corfu, July 26, 2000. *Approaches for dealing with sources of bias when studying the fishing down marine food web phenomenon*. CIESM Workshop on 'Trophic levels and state of fisheries resources in the Mediterranean Sea.' Kerkyra, Greece.
- Washington, D.C., July 17, 2000. *Fishing down the food web: some policy implications*. International Ocean Science Day, AAAS/House of Representatives' Ocean Caucus.
- Akureyri, April 6, 2000. *Fisheries impacts on North Atlantic food webs*. Conference on 'Competitiveness within the Global Fisheries.' University of Akureyri, Iceland.
- Victoria, March 14, 2000. *Fisheries, Conservation and Marine Protected Areas*. A lecture sponsored by Department of Fisheries and Ocean. University of Victoria, B.C.
- Vancouver, March 8, 2000. *Fishing down marine food webs*. Lectures on Current Issues Facing B.C.'s Aquatic Environment. Marine Science Centre, Vancouver Aquarium.
- Washington, D.C., February 21, 2000. *Simulating fisheries impacts on aquatic ecosystems: the state of the art, what it can and cannot do*. Symposium on 'Back to the Future: Restoring Ecosystems impacted by Fisheries.' Annual Meeting, AAAS.
- Pacific Grove, February 14, 2000. *Extracting patterns on shark biology from electronic databases, or: one down and one more to go*. International Pelagic Shark Workshop, Asilomar Conference Center, Pacific Grove, California, USA.
- Vancouver, November 6, 1999. *Global fisheries and marine conservation: is coexistence possible?* Vancouver Institute Lecture, Woodward Instructional Resource Centre, UBC.
- Potsdam, October 3, 1999. *Fisheries science and its elusive search for sustainability*. IOC/SCOR/SCOPE Assessment Workshop 'Oceans 2020: Science for Future Needs,' Potsdam, Germany.
- Nairobi, @ August 1999. *Uses of FishBase for Fish Stock Assessments* (and other lectures). ACP-EU FishBase Training Courses in Fisheries and Fish Biodiversity Management, Kenya.
- Moncton, août 10, 1999. *Une vision mondiale des pêches et de leurs impacts sur les écosystèmes*. Colloque Nouveaux outils, nouvelles démarches pour la gestion durable du milieu marin. VIII Sommet de la Francophonie, Moncton, New Brunswick, Canada.

- Dakar, @ April 1999. *Utilisation de FishBase pour l'évaluation des stocks* and other lectures. ACP-EU FishBase Training Courses in Fisheries and Fish Biodiversity Management, Senegal. [Details at [www.fishbase.org](http://www.fishbase.org)]
- Athens. February 10, 1999. *Not Just Fish: the impact of Marine Fisheries on the Public Good*. Environment Ethics Certificate Program Seminar Series, School of Marine Programs, University of Georgia, USA.
- Swakopmund, @ December 1998. *Uses of FishBase for Fish Stock Assessments* and other lectures. ACP-EU FishBase Training Courses in Fisheries and Fish Biodiversity Management. [Details at [www.fishbase.org](http://www.fishbase.org)]
- Sao Paulo, December 1, 1998. *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.
- Burnaby, November 19, 1998. *Fishing down marine food webs: an update*. 'Oceans Limited Conference,' Simon Fraser University. [Also: Nov. 12: similar presentation at the session on 'The Use and Misuse of Science in Fisheries Management,' Sigma Xi Forum, Vancouver].
- Anchorage, September 29, 1998. *The Ecopath modelling approach applied to pre- and post-spill Prince William Sound*. Aleutian/Pribiloff Island Association.
- Woods Hole, August 25, 1998. *Overview of the current state of the world's fisheries*. 'Fisheries Oceanography and Society Symposium' presented by the Biology Department and sponsored by Mr. and Mrs. Eugene H. Kummel. Woods Hole Oceanographic Institution, Woods Hole, MA.
- Hirsthals, August 4, 1998. *Placing Fisheries in their Ecosystem Context* and other lectures. Ecopath course for Participants from West Africa and Europe, held in Hirsthals, Denmark, August 4–8, 1998, under the Auspices of the European Union.
- Accra, July 28, 1998. *Spatial modelling of trophic interactions and fisheries impacts in coastal ecosystems: a case study of Sakumo Lagoon, Ghana*. Workshop on the Gulf of Guinea Large Marine Ecosystem: environmental forcing and sustainable development. Ghana. [Also, on July 29: *Consilience in oceanographic and fishery research: a concept and some digressions*].
- Southampton, July 13, 1998. *Tropical Fish: Pattern s, Digression and Causes*. Jack Jones Lecture, FSBI Symposium on 'Tropical Fish Biology'. Fisheries Society of the British Isles, 13–16 July, United Kingdom.
- Lisbon, July 1, 1998. Keynote: *Fishing down marine food webs' as an integrative concept*. '98 EXPO Conference on Ocean Food Webs and Economic Productivity, Lisbon, Portugal, 1–3 July 1998.
- Port of Spain, June 1, 1998. *Rationale for reconstruction of catch time series* (and other lectures). ACP-EU FishBase Training Courses in Fisheries and Fish Biodiversity Management, Trinidad and Tobago.
- Puntarena, April 21, 1998. *Placing Fisheries in their Ecosystem Context* (and other lectures). 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.
- Ottawa, @ October (?). Presentation to Univ. of Ottawa students of Hutchings et al. paper (contra Art. May)
- Nouméa, October @, 1997. *Uses of FishBase for Fish Stock Assessments* (and other lectures). ACP-EU FishBase Training Courses in Fisheries and Fish Biodiversity Management, New Caledonia.
- Baltimore, September 4, 1997. *Localism vs. Universalism in Science: Vignettes from Fisheries Research*. Pre-ICES Conference to Encourage Minorities in the Marine Sciences. National Marine Fisheries Service/National Science Foundation/ Maryland Fisheries Commission/Morgan State University/Columbus Center. Baltimore, Maryland.
- Rennes, March 15, 1997. *Les pêches globales: géostratégies et nouveaux acteurs*. Activités halieutiques et développement durable - 4ième Rencontre halieutiques de Rennes. Ecole Nationale Supérieure Agronomique de Rennes.
- Galiano Island, March 8, 1997. *Marine Protected Areas around the World: how do we get one here?* South Galiano Community Hall, Galiano Island, B.C.
- Anchorage. January 24, 1997. *Building and Applying Ecological Models*. Joint lecture [with Dr. Stuart Pimm] to the Annual Conference, Exxon Valdez Oil Spill Restoration Council.
- Cape Town, @ November 1996. *Large marine ecosystems: analysis and management*. Benguela Dynamics Symposium, Benguela Ecology Programme.
- Sechelt, October 4, 1996. *Competition between Humans and Marine Mammals in the Pacific*. Sunshine Coast Natural History Society. Sechelt, B.C.

- Dearborn, August 28, 1996. *Quantitative vs. qualitative approaches for evaluating fisheries research, with emphasis on groupers and snappers in the south-eastern USA*. Side event by American Institute of Fishery Research Biologists: 'Forty Years of Controversy and Achievement in North American Fisheries.' Dearborn, Michigan.
- Amsterdam, 8 July 1996. Global change, fisheries and society: the future has already begun. The Oceanography Society's 1996 Meeting.
- Vancouver, November, 6, 1995. *Rationale for Mass-Balance Trophic Models*. Workshop on Mass-Balance Models of North Pacific Ecosystem, November 6-10, 1995, Fisheries Centre, UBC.
- Seattle, September 26, 1995. *Fleet-operational, economic and cultural determinants of by-catch uses in Southeast Asia*. Solving By-Catch Workshop: Considerations for Today and Tomorrow, Seattle, September 25–25, 1995.
- Tampa, August 28, 1995. *Primary production required to sustain global fisheries and its implication for conservation especially of marine mammals*. 125<sup>th</sup> Annual Meeting, American Fisheries Society, August 26 – September 1, Tampa, Florida.
- Quezon City, August 10, 1995. *Ecosystem modeling*. University of Philippines, Marine Science Institute.
- Nairobi, 31 July 1995. Keynote: *Population Dynamics of Tropical Fishes*. Fisheries Society of Kenya, 31 July–4th August, Nairobi. @
- Vancouver, May 2, 1995. *Fisheries, marine mammals and the carrying capacity of the Pacific Ocean*. Invited lecture, Fifth Asian and Pacific University President's Conference on 'Realizing the New Pacific Community'. UBC.
- Canberra, December 10, 1994. *History of fisheries in Southeast Asia*. Workshop on the 'Economic History of Southeast Asia' project of the Australian National University; organized by John Butcher. [See his book on the history of Southeast Asian fisheries].
- Manchester, August, 24, 1994. *Making predictions and managing multispecies communities*. Sixth International Congress on Ecology.
- Vancouver, March 28, 1994. *For a New Ichthyology: thought on what access to structured data on all fishes of the word may mean for teaching and research*. Fisheries Centre and Zoology Department, UBC. [Job application lecture].
- Seattle, June 15, 1994. *Small-scale fisheries in the tropics: marginality, marginalization and some implication for fisheries science*, World Conference on Fisheries Management, University of Washington.
- Campeche, October 27, 1993. *FishBase and AUXIMS as tools for comparing life-history patterns, growth and natural mortality of fish: applications to snapper and groupers*. EPOMEX/ICLARM International Workshop on Tropical Snappers and Groupers, University of Campeche, Mexico, 26–30 October 1993.
- Texel, September 30, 1993. Keynote: *A framework for latitudinal comparison of flatfish recruitment*. Second International Flatfish Symposium, September 29–6 October, Texel, The Netherlands.
- Dublin, September, 25, 1993. Introduction to the Theme Session on 'Computers in Fisheries Research'. International Council for the Exploration of the Sea, 23–28, Council Meeting.
- Dakar, February, 10, 1993. *Un mécanisme explicatif des migrations des poissons le long des côtes du Nord-Quest africain*. Symposium sur l'évaluation des ressources exploitables par la pêche artisanale sénégalaise, 8-13 février 1993, Centre de Recherche Océanographique de Dakar-Thiaroye (CRODT), Sénégal. Also: *Use of FishBase in the context of the BDRM*. 12 February, Workshop on the "Base de Données Régionale Maritime" (BDRM), 15–19 February 1993. CRODT, Sénégal.
- Athens, May, 5, 1992. *Assessment methodologies and fisheries management: how to keep making sense*. Session Keynote. Also: *The ICLARM Software Project*. First World Fisheries Congress, Athens, Greece.
- Townsville, March 4, 1992. *Modeling Coral Reef Ecosystems*. ICLARM/AIDAB Workshop on Management of Coral Reef Resource Systems, Australian Institute of Marine Science, Also: *Population dynamic studies of tropical fishes: a comparative approach*. Special Seminar, School of Biological Sciences, James Cook University of North Queensland.
- Abidjan, November 14, 1991. *A new method for comparing the growth performance of fishes, applied to wild and farmed tilapias*. Third International Conference on Tilapia in Aquaculture, 11–16 November 1991, Abidjan, Côte d'Ivoire.



- Jülich, July 20, 1991. Presentation of the B:RUN, FiSAT, MAXIMS and Ecopath II software. International Workshop on Techniques for Biological Assessment in Fisheries Management, 17–24 July 1991, Forschungszentrum Jülich, Germany.
- Montpellier, July 5, 1989. Presentation on behalf of H. Lampe of “*Small-scale fisheries and the development of related, particularly economic research in Southeast Asia*”. International Symposium on Research and Small-Scale Fisheries, 3–7 July, Montpellier, France. ,
- Perpignan, June 30, 1991. *Modélisation trophique des écosystèmes aquatiques*. Université de Perpignan, France.
- Havana, June 22, 1990. Keynote of Session on Fishery Biology: *Fishery science: a new toolkit for dealing with new problems*. Second Marine Science Congress, 18–22 June, La Havana, Cuba.
- Tokyo, April 20, 1991. *Fisheries yields and morphoedaphic index of Lake Mainit, Philippines*. Second Asian Fisheries Forum, 17–22 April, Tokyo, Japan.
- Manila, May 30, 1991. Sound Ecology is good economics: four vignettes from Philippine Fisheries. The Philippine Environment: Financing Environmental Conservation and Rehabilitation. Philippine Futuristic Society.
- Washington, D.C. February 18, 1991. *Stratified models of large marine ecosystem: a general approach and an application to the South China Sea*. Mini-Symposium on Science and Management of Large Marine Ecosystems, AAAS Annual Meeting.
- Copenhagen, October 7, 1990. Some features of fish food consumption estimates used by ecosystem modellers. I.C.E.S. C.M. 1990/G: 17, Session O., 4–9 October, Denmark.
- Mayagüez, July 31, 1990. *Growth and Population Dynamics of Tropical Fishes*. Training course on length-based assessment and the Compleat ELEFAN software. Executed from July 30 to August 1, 1990 for the Caribbean Fisheries Council and the Puerto Rico Department of Fisheries. [This was followed by lectures on ecosystem modelling at the NOAA Southeast Fisheries Center, Miami]
- Aberdeen, July 19, 1989. Keynote: *Food consumption by tropical and temperate marine fishes: some generalizations*. Symposium on Fish Population Biology dedicated to R.J.H. Beverton. Fisheries Society of the British Isles.
- Mwanza, February 10, 1989. Introduction to length-based fish stock assessment. FAO/DANIDA/HEST Training Course in Fish Stock Assessment, 7–22 February, Mwanza, Tanzania.
- Quezon City, November 30, 1988. *Key elements of the IMARPE/GTZ / NMFS / ICLARM study on the Peruvian anchoveta and its upwelling ecosystem as an example of multidisciplinary research in oceanography*. Synthesis Workshop on Marine Science Programs in the Philippines, Nov. 29–Dec. 1, 1988. Asian Institute of Tourism, Diliman, Quezon City, Philippines.
- Johore Bahru, October 26, 1988. *Fisheries Resource Management in Southeast Asia: Why bother?* ASEAN/US Policy Workshop on Coastal Area Management, October 25–27 1988, Johore Bahru Malaysia.
- Halifax, September 30, 1988. Invited lecture ‘*On development, fisheries and dynamite: a brief review of tropical fisheries management*’. International Conference on Natural Resources Modeling and Analysis, 29 September –1 October. Halifax, N.S., Canada,
- Toronto, September 14, 1988. *Fisheries stock assessment: what can the north learn from the south?* 118<sup>th</sup> Meeting of the American Fisheries Society, 12–16 September.
- Amsterdam, July 6, 1988. *Small-scale fisheries in the Neotropics: research and management issues*. 46<sup>th</sup> International Congress of Americanists/Symposium on Small-Scale Fisheries in Latin America, 4–8 July, 1988, The Netherlands.
- Paris, June 8, 1988. *Training and Education in marine science: the views of 130 members of CLARM’s Network of Tropical Fisheries Scientists*. Year 2000 Challenges for Marine Science Training and Education Worldwide. UNESCO Headquarters, 6–10 June 1988.
- Maputo, February 23, 1988. *Some key concepts in fisheries research and management, with emphasis on Mozambique*. Course on the “Use of Computers for Fisheries Research”, held at the Instituto de Investigaçao Pesqueira, 23 February to 15 March 1988 in Maputo, Mozambique.
- Kuwait, December 8. *On improving the construction, parametrization and interpretation of steady state ecosystem models*. 9th Shrimp and Finfish Management Workshop, 7–9 December, Safat, Kuwait.
- Jakarta, November 26, 1987. *Assessment of the fish resources of Southeast Asia, with emphasis on the Banda and Arafura Seas*. Snellius-II Symposium, 23-29 November 1987, Jakarta, Indonesia.

- Callao, August 24–28, 1987. *The Peruvian anchoveta and its Upwelling Ecosystem: three decades of change*. Workshop on Models for Yield Prediction in the Peruvian Upwelling Ecosystem, IMARPE, Callao (Lima), Peru.
- Bangkok, March 18, 1987. *Comparison of growth performance of tilapia in open water and aquaculture*. Second International Symposium on Tilapia in Aquaculture, 16–20 March 1987, Bangkok, Thailand.
- Darwin, February, 18, 1987. *Theory and practice of overfishing: A Southeast Asian perspective*. Symposium on the Exploitation and Management of Marine Fishery Resources in Southeast Asia/ 22nd Session of the Indo-Pacific Fisheries Commission, Darwin, Australia, 16–26 February 1987.
- Guayaquil, October 29, 1986. *Some preliminary results from an international multidisciplinary project aimed at reconstructing time series on the Peruvian ecosystem for the years 1953–1982*. Chapman Conference on El Niño: An International Symposium, 27–31 October 1986, Guayaquil, Ecuador.
- Manila, May 28, 1986. *Concepts that work: some advances in tropical fisheries research and Some practical extensions to Beverton and Holt's relative yield-per-recruit model*. First Asian Fisheries Forum, May 26-31, 1986. Asian Fisheries Society, Manila.
- Campeche, April, 23, 1986. *Towards appropriate concepts and methodologies for the study of recruitment in tropical demersal communities and The relationship between shrimp yields and intertidal vegetation (mangrove) areas*. IREP/OSLR Workshop on the Recruitment of Coastal Demersal Communities, Campeche, Mexico, 21–25 April 1986.
- Sidi-Fredj, November 16, 1985. *Méthodes analytiques simples pour l'évaluation des stocks de poissons*. Atelier CGFM/FAO de Sidi-Fredj sur les méthodes analytiques simples en évaluation des ressources, 16-18 novembre 1985, Sidi-Fredj, Algérie.
- Mexico City, August 14, 1985. *Shrimp vs. Fish in Southeast Asian Fisheries: the biological, technological and social problems*. Recursos Pesqueros Potenciales de Mexico: la Pesca Acompañante del Camaron. Instituto de Ciencia del Mar y Limnología/Instituto Nacional de Pesca/UNAM, Mexico, D.F.
- Philadelphia, July 1985. *Fishery science in tropical developing countries: some observation relevant to scientometry*. The Bibliometrics of the Third World's Contribution to Science, 10–14 July, Institute of Scientific Information, Philadelphia.
- Des Moines, June 11, 1985. *Application of information on age and growth to fishery management*. Invited Contribution to the International Symposium on The Age and Growth of Fish, 9–12 1985, Des Moines, Iowa. .
- Nouméa, June 28, 1985. *When is fisheries management needed?* Forum Fisheries Agency/South Pacific Commission Workshop on the Management of South Pacific Inshore Fisheries, June 26–July 7, 1985.
- Kiel, @, 1985. *Zur Fischereibiologie tropischer Nutztier: eine Bestandsaufnahme von Konzepten und Methoden*. Habilitation Lecture.
- Mazzaro del Vallo, February 13, 1985. *A review of the ELEFAN system for analysis of length-frequency data in fish and aquatic invertebrates*. ICLARM/KISR International Conference on the Theory and application of Length-based methods stock assessment Methods, Istituto di Tecnologia della Pesca e del Pescato, February 11–16 1985. Mazzaro del Vallo, Sicily, Italy.
- Kuwait, December 16, 1984. *A methodology for studying the recruitment into Kuwait's shrimp stocks*. 6<sup>th</sup> Shrimp and Fin Fisheries Management Workshop, 15–17 December 1984.
- Cochin, November 1984. *Population dynamics of tropical fishes* and other lectures. Advanced Training course on Fish Population Dynamics and Stock Assessment. Central Marine Fisheries Institute, Kochi, India.
- Vancouver, May 8, 1984. *Seasonality in the recruitment of Philippine fishes as related to wind patterns*. Third International Symposium on the Early Life History of Fishes/ 8th Annual Larval Fish Conference, 7–9 May 1984, University of British Columbia, Vancouver, Canada.
- Cagayan de Oro, @ late October 1983. *On management-oriented fisheries research*. Xavier University, Cagayan de Oro, Philippines.
- Halifax, September 28, 1983. *Studying recruitment variability in tropical fishes: a brief review of the available methodology*. Workshop on the IREP Component of the OSLR program, 26–20 September, Halifax, Nova Scotia. Canada.
- Honolulu, August 1983. @ Lecture to NMFS staff and others. Hawai'i, USA. .

- San José, April 20, 1983. *Monsoon-induced seasonality in the recruitment of Philippine fishes and On the seasonal growth, monthly recruitment and monthly biomass of the Peruvian anchoveta from 1961 to 1979*. Expert consultation to examine changes in abundance and species composition of neritic fish resources, Costa Rica, 18–29 April 1983.
- Rome, March 2, 1983. *The research process and communication of results: lessons learned from a multi-disciplinary analysis of a tropical small-scale fishery*. ACMRR Working Party on the Management of Living Resources in Near-shore Tropical Waters, 28 February- 4 March 1983. FAO, Rome,
- Cairo, January 1983. *Recent developments in the methodology available for the assessment of exploited fish stocks of reservoirs*. Roundtable Discussion on Increasing Benefits from African Reservoir Fisheries. Committee for Island Fisheries of Africa/FAO, 11-13 January, Cairo, Egypt.
- Sydney, May 2, 1982. *Development and dissemination of new methodologies for tropical stock assessments*. Indo-Pacific Fishery Commission. Third Session of the Standing Committee on Resources Research and Development, Australia, 28 April to 4 May 1982.
- Key West, November, 1981. *Application to shrimp stocks of objective methods for the estimation of growth, mortality and recruitment-related parameters from length-frequency data* NOAA/FAO Workshop on the scientific basis of the Management of Penaeid shrimps, November 18–24, 1981, in Key West, Florida
- Callao, November 1981. @. Peru.
- Woods Hole, October 8, 1981. *Stock assessment packages for programmable calculators and microcomputers: two examples, with a discussion of their potential usefulness in developing countries*. International Council for the Exploration of the Sea, 1981 Council Meeting.
- Samutprakarn, October 5, 1981. *The nature, investigation and management of tropical multispecies fisheries*. Lectures given at the Joint FAO Regional Training Course on Fisheries Stock Assessment and Fisheries Statistics, October 1-9, Samutprakarn, Thailand.
- Manila, May 20, 1981. *Aspects of the growth and mortality of exploited coral reef fishes*. Fourth International Coral Reef Symposium, 18–22 May 1981.
- Sydney, January 17, 1981. *Studying single-species dynamics in a multi-species context*. ICLARM/CSIRO Workshop on the Theory and Management of Tropical Multispecies Stocks, held in Cronulla, 12–21 January 1981.
- Copenhagen, October 8, 1980. A BASIC program for the objective extraction of growth parameters from length-frequency data. International Council for the Exploration of the Sea. Council Meeting 1980/D: 7 Statistics Committee.
- Mombasa, May 19–June 4, 1980. *A selection of simple methods for the assessment of tropical fish stocks*. Lectures given at the FAO/DANIDA Training Course on the Methodology of Fisheries Science, Mombasa, Kenya.
- Hong Kong, December 5, 1979. *An attempt to estimate the stock recruitment relationships of Gulf of Thailand penaeid shrimps*. 2nd Session of the Standing Committee on Resources Research and Development, Indo-Pacific Fishery Commission, Hong Kong, 3-8 December 1979.
- Kingston, September 20, 1979. *A new methodology for acquiring basic information on tropical fish stocks: growth, mortality and stock recruitment relationships*. International Workshop on Stock Assessment for Tropical Small-Scale Fisheries, 19–21 September, University of Rhode Island.
- Port Moresby, August 9, 1979. *On the growth of fishes*. Department of Biological Sciences, University of Papua New Guinea.
- Sydney, August 2, 1979. *Some aspect of the growth of fishes*. Seminar given to the CSIRO Division of Fisheries and Oceanography, Cronulla, Australia.
- Manila, August 1, 1979. *Problem of stock and yield assessment in tropical waters*. Seminar at the Philippine Ministry of Natural Resources.
- Copenhagen, September 1978. The estimation of natural mortality in fishes from their growth parameters and mean environmental temperature. Council Meeting, International Council for the Exploration of the Sea.
- Jakarta, July 1975. Presentation of 2 papers on fish of the Family Leiognathidae. International Symposium on the Ecology and Management of some tropical shallow water communities (coral reefs, tidal forest and estuaries, Jakarta, 28 June–3 July 1976.
- Jakarta, March 31, 1976. International Workshop on the Fisheries Resources of the Malacca Strait, March 29–April 2. Directorate General of Fisheries, Jalan Salemba Raya, 16, Jakarta, Indonesia.

## Participation in films/videos

- Everything will change: an extinction road movie from the year 2054. A film by Marin Persiel, which premiered on September 24, 2021 at the Filmfest Zürich.
- Extinction: The Facts. A documentary film by David Attenborough and BBC One; released in September 2020; <https://www.dailymotion.com/video/x7w7wxr>
- An Ocean Mystery: The Missing Catch. A film by Alison Barrat, Smithsonian Channel. Premiered on April 22, 2017 in Washington, DC.
- Daniel Pauly, scientifique de l'année. January 2017. A short film by Gaëlle Lussiaa-Berdou for ICI Radio-Canada. Available at <https://www.youtube.com/watch?v=7BGEzKPA2cU>
- Daniel Pauly - Lauréat 2016 Médailles Albert Ier - Section Science. November 2016. A short digital film by the [Musée océanographique de Monaco](http://www.musee-oceanographique.de.monaco). Available at <https://www.youtube.com/watch?list=PL73jofEMCBT5nxEvPohB55uv1DViscF91&v=dwohdHsm3ZA>
- The night is always young. 2015. Digital film by [Julian McAlpine](http://www.julianmc Alpine.com). Available at <https://www.youtube.com/watch?v=YA9Bot5wrtE>
- Daniel Pauly's next big question for marine biology. 2014. Unesco's Intergovernmental Oceanographic Commission. Available at <https://vimeo.com/111281229>
- The Last Ocean - Film on Ross Sea. 2013. Video Project. Trailer available at [https://www.youtube.com/watch?time\\_continue=135&v=k0QVV16sl5k](https://www.youtube.com/watch?time_continue=135&v=k0QVV16sl5k)
- The *Sea Around Us* project: assessing the impact of fisheries on marine ecosystems and food security. 2012. [video recording] URI: <http://hdl.handle.net/2429/43604>
- Mission of the Mermaid: a love letter to the ocean. 2012. A film by Susan Rockefeller. ([www.missionofthemermaid.com](http://www.missionofthemermaid.com)).
- Discovery Channel. D. Pauly: Is the fishing industry harmful to world ecosystems? January 12, 2012. Available at <https://go.discovery.com/tv-shows/curiosity/videos/d-pauly-is-the-fishing-industry-harmful-to-world-ecosystems>
- The Ocean's Shifting Baselines. TED Talk, April 2010. [>245,000 views] [http://www.ted.com/talks/daniel\\_pauly\\_the\\_ocean\\_s\\_shifting\\_baseline.html](http://www.ted.com/talks/daniel_pauly_the_ocean_s_shifting_baseline.html)
- ICI Radio-Canada. 2010. Salmon fishing. Available at [https://s3-us-west-2.amazonaws.com/legacy.seaaroundus/TVRadio/2010/10Jan31\\_CBCFrench\\_Pauly\\_salmonfishing.wmv](https://s3-us-west-2.amazonaws.com/legacy.seaaroundus/TVRadio/2010/10Jan31_CBCFrench_Pauly_salmonfishing.wmv).
- Sea the Truth. 2010. An Alanena Production, commissioned by the Nicolaas G. Pierson Foundation ([www.seathetruth.nl](http://www.seathetruth.nl)).
- Pink Gold 2009. A documentary on the background of farmed salmon, by Sven Bergman and Fredrik Laurin. Swedish Public Broadcasting, SVT, Duration: 55 minutes. Aired February 25, 2009. Available at SVT (Marianne Westman – [Marianne.westman@svt.se](mailto:Marianne.westman@svt.se));
- For Cod's Sake: a Documentary about Cod Fishery in the Baltic Sea. 2009. Folke Rydén Production, 58 min. ([www.folkeryden.com](http://www.folkeryden.com)).
- Global Sushi: Demain, nos enfants mangeront des méduses. 2009. CAPA. Un film de Jean-Pierre Canet, Jean-Marie Michel et Damien Vercaemer, 1h35' ; Aired February 2010 on ARTE tv.
- The End of the Line. 2009. Film based on the book of the same title by Charles Clover. Director: Rupert Murray. Executive Producers: Christopher Hird, Jess Search. 90 minutes. Premiered at the Sundance Festival 2009. Available at [www.endoftheline.com](http://www.endoftheline.com);
- Vom Verschwinden der Fische. 2008. Ein Film von Achim Kampmann. Shown in France and Germany on ARTE TV.
- Fish Forever: Seafood choices for a sustainable planet. 2007, April 3. Available at <http://www.youtube.com/watch?v=YOZxt1W-wuY> ;
- Fisheries and Global Warming: Impacts on Marine Ecosystems and Food Security. MIT Lecture. October 9, 2007. Available at <http://mitworld.mit.edu/video/501>;
- Fisheries on the Brink. Oceana. September 20, 2006. Available at <http://oceana.org/north-america/media-center/oceana-video/?vid=15>;

- Strange Days on Planet Earth – Predators. 2004. PBS. 240 minutes. Available at [www.pbs.org/strangedays/](http://www.pbs.org/strangedays/)Global Public Media – Public Service Broadcasting for a Post Carbon World. [http://www.globalpublicmedia.com/daniel\\_pauly\\_speaks\\_with\\_julian\\_darley](http://www.globalpublicmedia.com/daniel_pauly_speaks_with_julian_darley)
- Hollywood Ocean Night. March 22, 2004. Available at [www.shiftingbaselines.org](http://www.shiftingbaselines.org)
- World Fisheries Congress, 2004. Grand Keynote Speaker. Available at [http://www.seaaroundus.org/TVRadio/WFC4\\_Grand\\_Keynote.AVI](http://www.seaaroundus.org/TVRadio/WFC4_Grand_Keynote.AVI)
- A Database for the World's Fishes. May 2004. 6 minutes. European Commission, Brussels
- Zone Libre: Pêche sans poisson. 2003. Director: Pierre Devroede. Canadian Broadcasting Corporation. 22 minutes. Aired January 17, 2003. Available at <http://www.radio-canada.ca/actualite/zonelibre/03-01/poissons.html>;
- Empty nets – empty oceans. 2002. PBS. Director: Steve Cowan. Premiered April 22, 2002. Available at [www.habitatmedia.org](http://www.habitatmedia.org);
- Washington, D.C. 2002. *State of Marine Ecosystems*. C-SPAN. 1 hour 19 minutes. Available at [www.c-spanarchives.org](http://www.c-spanarchives.org);
- Vancouver Institute Lecture. Global fisheries and marine conservation. Is co-existence possible? March 10, 1999. Available at [www.library.ubc.ca](http://www.library.ubc.ca).

### **Publications (present - 1973) [not included]**

A complete list of publications is available separately.