

## One last word...

Daniel Pauly

**T**he *Sea Around Us* started in July 1999. At the time, we called it the 'Sea Around Us Project', because we thought it would last only a few years, as most projects do. But the *Sea Around Us* lasted because it quickly found its niche and generated products — notably publications and global online databases — that a growing number of colleagues in the scientific and conservation community found useful. Among them was our principal funder, The Pew Charitable Trusts.

While I outlined the goal of the *Sea Around Us* in 2006,<sup>1</sup> our progress in the 15 years since July 1999 is documented in [5-year](#) and [10-year](#) cumulative reports, to which a third, 15-year report, will be added by the end of 2014.

One constant throughout these 15 years has been the *Sea Around Us* Newsletter, of which one issue was published in 1999, followed by 81 issues in the following years (i.e., 5–6 issues per year). The founding editor of the *Sea Around Us* Newsletter was Ms. Nancy Baron, a Canadian journalist<sup>2</sup> and naturalist<sup>3</sup> now with the National Center for Ecological Analysis and Synthesis in Santa Barbara, CA (USA).

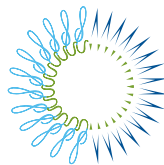
<sup>1</sup> Pauly D (2007) The *Sea Around Us* Project: documenting and communicating global fisheries impacts on marine ecosystems. *AMBIO: a Journal of the Human Environment* 34(4): 290–295.

<sup>2</sup> Baron N (2010) *Escape from the ivory tower: a guide to making your science matter*. Island Press, Washington, DC (USA).


<sup>3</sup> Baron N and Acorn J (1997) *Birds of coastal British Columbia*. Lone Pine Publishing, Vancouver, BC (Canada).

She was followed as Newsletter editor by a succession of PhD and MSc students: Melanie Power (until June 2002), Robin Forrest (until June 2008), Megan Bailey (until December 2011), Lisa Boonzaier (until June 2013), and finally Frédéric Le Manach. This 83<sup>rd</sup> issue is the last one, and I thank them all very much.

The *Sea Around Us* now has a new main funder, the Paul G. Allen Family Foundation (see page 2). We will work with its implementation arm, the Seattle-based Vulcan Inc. ([www.vulcan.com](http://www.vulcan.com)) to develop a new web-based approach to delivering our products, including material so far published through our Newsletter.



These new approaches will include social media and will be implemented in the course of 2015. In the meantime, we will be announcing new products (especially publications), mainly through our website ([www.seaaroundus.org](http://www.seaaroundus.org)). There, the interested reader will also find a single searchable file that will include all 83 issues of the *Sea Around Us* Newsletter.

All is left is to thank you, dear Reader, for your interest in the *Sea Around Us*. We hope it will last beyond this transition 

The *Sea Around Us* Newsletter  
Issue 83 | June/October 2014

# The Paul G. Allen Family Foundation grants \$2.6 million to improve data on world fisheries

UBC Media Release

The University of British Columbia's *Sea Around Us* has received \$2.6 million (U.S.) from The Paul G. Allen Family Foundation to provide African, Asian, and other countries with more accurate and comprehensive fisheries data to help them better analyze and support their ocean resources and local economies.


"This generous support will help UBC fisheries researchers work with countries to better understand the industry's impact on marine ecosystems and its social and economic benefits", UBC President Arvind Gupta said. "The Paul G. Allen Family Foundation is giving our researchers an exceptional opportunity to work with global communities". The project, led by UBC Fisheries Centre Professor Daniel Pauly and Dr. Dirk Zeller, will provide comprehensive catch data and data collection methods to policy-makers and nongovernmental organizations working with countries in West Africa, East Africa, the Arab world and South Asia.

Researchers will help countries use these data to address national policies related to four main problem areas:

- Increasing public transparency of access agreements for foreign vessels to fish in a country's waters;
- Improving inadequate methods for recording or estimating fish catches;

- Improving poor policy and management environments for local small-scale fisheries; and
- Deterring illegal fishing by foreign fleets.

"This project is significant for the global fisheries community", Pauly said. "The data collected will help governments make informed national policy decisions by balancing economic growth with resource preservation".

*Sea Around Us* started this project June 1, 2014, and it will run to June 1, 2016. The Paul G. Allen Family Foundation's funding will also support FishBase, the Philippines-based research partner of *Sea Around Us*, which aims to create the largest and most extensively accessed online database about fishes on the web 

The original press release (published by UBC on August 20, 2014) is available at: <http://news.ubc.ca/2014/08/20/the-paul-g-allen-family-foundation-grants-2-6-million-to-improve-data-on-world-fisheries/>

## About The Paul G. Allen Family Foundation

Launched by Microsoft co-founder and philanthropist Paul G. Allen and Jody Allen in 1988, the Allen family's philanthropy is dedicated to transforming lives and strengthening communities by fostering innovation, creating knowledge and promoting social progress. Since inception, the Foundation has awarded over \$500 million to more than 1,500 non-profit groups to support and advance their critical charitable endeavours in the Pacific Northwest and beyond. The Foundation's funding programs nurture the arts, engage children in learning, address the needs of vulnerable populations, advance scientific and technological discoveries, and provide economic relief amid the downturn. For more information, go to [www.pgafamilyfoundation.org](http://www.pgafamilyfoundation.org).

## About UBC's *start an evolution* campaign

This gift forms a part of UBC's *start an evolution* campaign, the most ambitious fundraising and alumni engagement campaign in Canadian history with the twin goal of raising \$1.5 billion and involving 50,000 alumni annually in the life of the university by 2015.

The *Sea Around Us* Newsletter is published by the Fisheries Centre at the University of British Columbia. Six issues are published annually, and subscriptions are free of charge.



Our mailing address is UBC Fisheries Centre, Aquatic Ecosystems Research Laboratory, 2202 Main Mall, The University of British Columbia, Vancouver, BC, Canada, V6T 1Z4. Our e-mail address is [seanotes@fisheries.ubc.ca](mailto:seanotes@fisheries.ubc.ca). All queries should be sent to Frédéric Le Manach, the *Sea Around Us* Newsletter editor.

The *Sea Around Us* website can be accessed at [www.seaaroundus.org](http://www.seaaroundus.org) and contains up-to-date information on the Project.

The *Sea Around Us* is a scientific collaboration between the University of British Columbia and The Pew Charitable Trusts that began in July 1999. The Pew Charitable Trusts work around the world to establish pragmatic, science-based policies that protect our oceans, wild lands and climate. Pew also sponsors scientific research that sheds new light on the dimensions of and solutions to the problems facing the global marine environment.

# List of 2014 Sea Around Us publications (as of October 31<sup>st</sup>)

## Peer-Reviewed Journals

- Al-Abdulrazzak D and Pauly D (2014) Ground-truthing the ground-truth: reply to Garibaldi *et al.*'s comment on "Managing fisheries from space: Google Earth improves estimates of distant fish catches". *ICES Journal of Marine Science* 71(7): 1927–1931.
- Belhabib D, Koutob V, Sall A, Lam VWY and Pauly D (2014) Fisheries catch misreporting and its implications: the case of Senegal. *Fisheries Research* 151: 1–11.
- Belhabib D, Koutob V, Sall A, Lam VWY, Zeller D and Pauly D (in press) Counting pirogues and missing the boat: reply to Chaboud *et al.*'s comment "Fisheries catch misreporting and its implications: the case of Senegal". *Fisheries Research*.
- Cheung WWL, Brodeur RD, Okey TA and Pauly D (2014) Projecting future changes in distributions of pelagic fish species of Northeast Pacific shelf seas. *Progress in Oceanography*, DOI: [10.1016/j.pocean.2014.09.003](https://doi.org/10.1016/j.pocean.2014.09.003).
- Christensen V, Piroddi C, Coll M, Steenbeek J, Buszowski J and Pauly P (2014) A century of fish biomass decline in the ocean. *Marine Ecology Progress Series*, 512: 155–166.
- Coll M, Carreras M, Cornax MJ, Massutí E, Morote E, Pastor X, Quetglas A, Sáez R, Silva L, Sobrino I, Torres MA, Tudela S, Harper S, Zeller D and Pauly D (2014) Closer to reality: reconstructing total removals in mixed fisheries from Southern Europe. *Fisheries Research* 154: 179–194.
- Davidson DJ, Andrews J and Pauly D (2014) The effort factor: evaluating the increasing marginal impact of resource extraction over time. *Global Environmental Change* 25: 63–68.
- Greer K, Harper S, Zeller D and Pauly D (2014) Evidence for overfishing on pristine coral reefs: reconstructing coastal catches in the Australian Indian Ocean Territories. *Journal of the Indian Ocean Region* 10(1): 67–80.
- Harper S, Guzmán HM, Zylich K and Zeller D (2014) Reconstructing Panama's total fisheries catches from 1950 to 2010: highlighting data deficiencies and management needs. *Marine Fisheries Review* 76(1–2): 51–65.
- Kleisner K, Mansour H and Pauly D (2014) Region-based MTI: resolving geographic expansion in the Marine Trophic Index. *Marine Ecology Progress Series*, 512: 185–199.
- Leitão F, Baptista V, Zeller D and Erzini K (2014) Reconstructed catches and trends for mainland Portugal fisheries between 1938 and 2009: implications for sustainability, domestic fish supply and imports. *Fisheries Research* 155: 33–50.
- McClenachan L, Neal BP, Al-Abdulrazzak D, Witin T, Fisher K and J. Kittenger (2014) Do community support fisheries (CSFs) improve fisheries sustainability? *Fisheries Research* 157: 62–69.
- Nunoo FKE, Asiedu B, Amador K, Belhabib D, Lam VWY, Sumaila UR and Pauly P (in press) Marine fisheries catches in Ghana: historic reconstruction for 1950 to 2010 and current economic impacts. *Reviews in Fisheries Science & Aquaculture*.
- Pauly D (2014) *Homo sapiens*: cancer or parasite? Ethics in Science and Environmental Politics. DOI: [10.3354/esep00152](https://doi.org/10.3354/esep00152).
- Pauly D, Belhabib D, Blomeyer R, Cheung WWL, Cisneros-Montemayor A, Copeland D, Harper S, Lam VWY, Mai Y, Le Manach F, Österblom H, Mok KM, van der Meer L, Sanz, Antonio A, Shon S, Sumaila UR, Swartz W, Watson R, Zhai Y, and Zeller D (2013) China's distant-water fisheries in the 21<sup>st</sup> century. *Fish and Fisheries* 15: 474–488.
- Pauly D and Stergiou K (2014) Introduction: the ethics of human impacts and the future of the Earth's ecosystems. *Ethics in Science and Environmental Politics*. DOI: [10.3354/esep00154](https://doi.org/10.3354/esep00154).
- Pauly D, Ulman A, Piroddi C, Bultel E and Coll M (2014) Reported versus 'likely' fisheries catches of four Mediterranean countries. *Scientia Marina* 78S1: 11–17.
- Pauly D and Zeller D (2014) Accurate catches and the sustainability of coral reef fisheries. *Current Opinion in Environmental Sustainability* 7: 44–57.
- Pikitch EK, Konstantine JR, Essington TE, Santora C, Pauly D, Watson R, Sumaila UR, Boersma PD, Boyd IL, Conover DO, Cury P, Heppell SS, Houde ED, Mangel M, Plaganyi-Lloyd E, Sainsbury K, Steneck RS, Geers TM, Gownaris N and Munch SP (2014) The global contribution of forage fish to marine fisheries and ecosystems. *Fish and Fisheries* 15(1): 43–64.
- Schiller L, Alava J, Grove J, Reck G and Pauly D (2014) The Demise of Darwin's Fishes: Evidence of fishing down and illegal shark finning in the Galápagos Islands. *Aquatic Conservation: Marine and Freshwater Ecosystems*. DOI: [10.1002/aqc.2458](https://doi.org/10.1002/aqc.2458).

Swartz W and Ishimura G (2014) Baseline assessment of total fisheries-related biomass removal from Japan's Exclusive Economic Zones: 1950–2010. *Fisheries Science* 80: 643–651.

Tesfamichael D, Pitcher TJ and Pauly D (2014) Assessing changes in fisheries using fishers' knowledge to generate long time series of catch rates: a case study from the Red Sea. *Ecology and Society* 19(1): 18.

Tsirlikas A, Stergiou K, Adamopoulos N, Pauly D and Mente E (2014) Shift in trophic level of Mediterranean mariculture species. *Conservation Biology*, 28: 1124–1128.

Ulman A (2014) Urgent change in management measures required to save Turkish fisheries from collapse. *Journal of Coastal Development* 17: 386–386.

Ulman A, Çiçek BA, Salihoglu I, Petrou A, Patsalidou M, Pauly D and Zeller D (2014) Unifying the catch data of a divided island: Cyprus's marine fisheries catches, 1950–2010. *Environment, Development and Sustainability* 16(4): 1–21.

Zeller D, Harper S, Zylich K and Pauly D (2014) Synthesis of under-reported small-scale fisheries catch in Pacific-island waters. *Coral Reefs*. DOI: [10.1007/s00338-014-1219-1](https://doi.org/10.1007/s00338-014-1219-1).

Zylich K, Harper S, Licandeo R, Vega R, Zeller D and Pauly D (2014) Fishing in Easter Island: a recent history (1950–2010). *Latin American Journal of Aquatic Research* 24(4): 845–856.

### Reports and Other Items

Hornby C, Khan Moazzam M, Zylich K and Zeller D (2014) Reconstruction of Pakistan's marine fisheries catches 1950–2010. *FAO Fisheries and Aquaculture Circular* No. 1085. RAP/C1085(En), Food and Agriculture Organization of the United Nations (FAO), Karachi (Pakistan). 39 p.

Palomares MLD and Pauly D, eds (2014) Philippine marine fisheries catches: a bottom-up reconstruction, 1950 to 2010. *Fisheries Centre Research Report* 22(1), Fisheries Centre, University of British Columbia, Vancouver, BC. 171 p.

Pauly D (2014) Fishing more, catching less. *The New York Times*. Edition of March 26, 2014. Available at: <http://goo.gl/wc75xE>.

Pauly D (2014) What is Maximum Sustainable Yield? *Oceana Magazine*, Spring 2014, p. 18.

Zylich K, Zeller D, Ang M and Pauly D, eds (2014) Fisheries catch reconstructions: Islands, Part IV. *Fisheries Centre Research Reports* 22(2). Fisheries Centre, University of British Columbia, Vancouver, BC. 157 p.

### Book Chapters

Al-Abdulrazzak D, Zeller D and Pauly D (in press) Understanding fisheries through historical reconstructions: applications to fishery management and policy at different governance scales. In: Kittinger JN, McClenachan L, Gedan K and Blight LK (eds.), *Marine historical ecology in conservation: applying the past to manage for the future*. University of California Press.

Belhabib D, Doumbouya A, Diallo I, Traore S, Camara Y, Copeland D, Gorez B, Harper S, Zeller D, Sumaila UR and Pauly D (in press) Guinean fisheries resources: an abused source of wealth. In: Onyango PO, Chimatiro S and Sumaila UR (eds.) *Unknown wealth: the contribution of capture and aquaculture fisheries in accelerating economic growth and food security in Africa*. Springer.

Palomares MLD, Taylor E and Pauly D, eds. (2014) Big old data and shiny new insights: using FishBase for research. *Book of Abstracts*. 12<sup>th</sup> FishBase Symposium, Beaty Museum of Biodiversity. University of British Columbia, Vancouver (Canada). A report prepared by the *Sea Around Us* to the Paul G. Allen Family Foundation and the Pew Charitable Trusts, 98 p.

Pauly D (in press) Foreword to: Kittinger JN, McClenachan L, Gedan K and Blight LK (eds.), *Marine historical ecology in conservation: applying the past to manage for the future*. University of California Press.

Pauly D and Cheung WWL (in press) Inferring past temperatures from middens and similar sources of species assemblages (Box). Kittinger JN, McClenachan L, Gedan K and Blight LK (eds.), *Marine historical ecology in conservation: applying the past to manage for the future*. University of California Press.

Pauly D and Froese R (2014) Fisheries management. eLS. DOI: [10.1002/9780470015902.a0003252.pub3](https://doi.org/10.1002/9780470015902.a0003252.pub3).

Ramdeen R, Smith N, Frotté L, Lingard S, Harper S, Zeller D and Pauly D (in press) Reconstructed total catches by the marine fisheries of countries of the wider Caribbean (1950–2010). In *Proceedings of the 65<sup>th</sup> Meeting of the Gulf and Caribbean Fisheries Institute*, Santa Marta (Colombia), 5–9 November 2012.