

C. JOSH DONLAN

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Josh Donlan is a seasoned practitioner and scientist who builds and leads interdisciplinary initiatives to develop solutions to environmental and sustainability challenges. He has over a 20 years of experience in ecology, social science, design, and finance. Over the past decade, Josh has worked at the intersection of environmental conservation and policy, incentives, human-centered design, entrepreneurship, and emerging markets. Leveraging his management and leadership skills, Josh has worked in over a dozen countries on initiatives that work across sectors and disciplines, including program design and implementation, strategy consulting, and program monitoring and evaluation.

MANAGEMENT & TECHNICAL SKILL SUMMARY

- Expert in environmental and biodiversity science. Skills include quantitative analysis, statistics, field methods, ecological restoration, monitoring and evaluation, outcome-based approaches, and expert elicitation.
- Expert in management, consulting, and leadership, including project design and management, negotiation, strategic planning, relationship building, evaluation, fundraising, and performance planning.
- Expert in market-based environmental program design and implementation, including marine and terrestrial biodiversity offsets, outcome-based incentive programs, payment for ecosystem services, and entrepreneurial approaches to environmental conservation.
- Experience in social psychology, behavioral economics, and human-centered design, including the use of methodologies to improve program and product design.
- Experience in economic development and livelihood improvement, including poverty alleviation, microfinance, and incentive-based programs.
- Experience in finance and risk management, including environmental markets, return on investment analysis, insurance-based products, and impact investing.

SELECTED EXPERIENCE

- Director and Founder, Advanced Conservation Strategies, 2006-present. Leads the organization by building interdisciplinary teams to tackle problems in novel ways.
 - ✓ Led the design, fundraising, and launch of a 10-year fellowship program focused on incentivizing cross-sector collaborations focused on solutions. The Coastal Solutions Fellows Program supports young Latin American professionals to collaborate across sectors (academic, NGO, and private) and disciplines (science, planning, and development) to work on environmental challenges along the Pacific coast of Latin America.
 - ✓ Co-led efforts to create pre-listing species conservation programs in the United States. This effort integrated science, policy, and market-based approaches to create a programmatic framework that incentivizes preemptive conservation actions prior to regulatory triggers. Published an edited volume (*Proactive Strategies for Protecting Species*) in 2015. Policy was approved by the US Fish & Wildlife Service in 2017.
 - ✓ Combine science and human-centered design to create new ways of approaching environmental problem solving. Co-led efforts to create the *Capital Azul Program* in Chile, an environmental incentive program co-designed with fishers that creates and finances marine protected areas that are managed by fishing communities.
 - ✓ Work with foundations to evaluate and develop new environmental and sustainability programs. This has included evaluation and strategy development for the David & Lucile Packard Foundation, US National Fish & Wildlife Foundation, and Conservation Finance Alliance.
 - ✓ Work with entrepreneurs to create new products and services that have biodiversity co-benefits. Recent work include working with traceability start-ups, fishing communities, and seafood restaurants to create value-added products that have both demand and biodiversity benefits.
- Chief Scientist, Project Isabela, Galápagos National Park, Ecuador, 2002-2006
 - ✓ Helped direct the one the world's largest island restoration project, a \$12 million dollar successful effort to remove invasive mammals from two of the largest islands in the Galápagos.

- Director of Research, Island Conservation, Santa Cruz, California, 1998-2002
 - ✓ Played a pivotal role in building the NGO Island Conservation, whose mission is to prevent extinctions by removing invasive species from islands, from a five-person operation to a multi-million dollar organization that now works in over a dozen countries.

EDUCATION

Cornell University, New York, USA | Ph.D. in Ecology & Evolutionary Biology | 2008
 University of California, California, USA | M.A. in Biology (minor in Statistics) | 2000
 Northern Arizona University, Arizona, USA | B.S. in Biology, Summa Cum Laude | 1996

PROFESSIONAL DEVELOPMENT

Leadership and Media Training: The Robert & Patricia Switzer Foundation; Environmental Leadership Program; Kinship Conservation Program.

Business & Finance Training: Kinship Conservation Fellowship, training in business, economics, management, finance, and markets. Fundamentals of commodity derivatives, energy, commodities, and developing products workshop, International Swaps Derivatives Association, New York; iGlobal Annual Carbon Trading Summit, New York; International Swaps Derivatives Association, ISDA Master Agreement, New York.

Collaborative Process and Negotiation Training: Harvard Program on Negotiation.

AFFILIATIONS, FELLOWSHIPS, ACTIVITIES & AWARDS

Affiliations: Visiting Fellow, Cornell University (2008-present); Invited Professor, University of South Paris (2012-2014); Visiting Professor, Universidad de Magallanes, Chile (2011-12); Visiting Researcher, CSIRO Marine & Atmospheric Research, Australia (2007-09).

Fellowships: Fulbright Fellow (2011-12); Guggenheim Fellow (2010); Copeland Fellow in Global Sustainability, Amherst College (2009); Practitioner Fellow, Alcoa Foundation (2008); Fellow, Kinship Foundation (2008); Fellow, Environmental Leadership Program (2002); Fellow, Robert & Patricia Switzer Foundation (1998); Smithsonian Tropical Research Institute Fellowship (1997).

Selected Activities: Technical Expert, UNEP / CMS MOU on the Conservation and Management of Dugongs and their Habitats throughout their Range (2010-present); Advisory Board, Revive & Restore (2013-present); Board, Climate Science & Solutions Program, Northern Arizona University (2010–12); Advisory Board, Robert & Patricia Switzer Foundation (1998-2016); Lead advisor to the Chilean and Argentinean governments for the management of invasive beavers in southern South America (2007-09).

Selected Awards: New Yorker Magazine’s Game Changer Issue (2013); Finalist, Marketplace of Innovative Financial Solutions for Development Competition (2010); The Best American Science and Nature Writing by Houghton Mifflin (2008); Outside Magazine’s “25 heroes saving the world” (2005); New York Times Magazine’s Big Ideas (2005).

PUBLICATIONS & PRESENTATIONS

Over 70 peer-reviewed publications in scientific journals on a variety of topics, including environmental program design; environmental markets, management, and policy; risk management; biodiversity conservation; applied ecology; social psychology; ecological restoration; and ecological history.

One book, 19 book chapters, and 33 articles in leading magazines and newspapers on environmental topics, including SEED Magazine, Scientific American, Orion, Slate Magazine, and Grist Magazine.

Over 20 invited talks in ten countries over the past five years.

SELECTED MEDIA COVERAGE & APPEARANCES

Television: NBC Today Show, ABC Good Morning America, CNN.

Radio: RadioLab, The World, Public Radio International; All Things Considered, National Public Radio; Talk of the Nation-Science Friday; The Kojo Nnamdi Show; Australian Broadcast Service.

Print: New York Times, The Economist, Wired Magazine, Life Experience Magazine (cover story on sustainability), Der Speigal, Le Figaro, New Zealand Herald, The Guardian, El Mercurio (cover story on ecosystem services), and Fohla de San Paulo.

References available upon request.