

David E. Guggenheim, Ph.D.

Dedicated to advancing the complex challenges of protecting and sustaining the marine environment and the health of its wildlife through strong, visionary nonprofit leadership, science-based advocacy and effective public education programs that reach beyond traditional audiences and constituencies.

PROFESSIONAL HISTORY

President, Ocean Doctor Washington, DC (October 2004-date)

www.OceanDoctor.org

Ocean Doctor was originally founded as **1planetiocean** in 2004. From 2005-2008, a number of Cuba-related activities were performed under the auspices of the **Harte Research Institute for Gulf of Mexico Studies at Texas A&M University-Corpus Christi** where I served as an Advisory Council Member. In 2008, these activities moved to **The Ocean Foundation** where I served as Senior Fellow and Founder/Director of its Cuba Marine Research & Conservation Program. Ocean Doctor was incorporated in 2012, initially as a project of The Ocean Foundation. From 2014-2017, Ocean Doctor was a project of **The Baum Foundation** (San Francisco, California). In 2017, Ocean Doctor became an independent 501(c)(3) nonprofit organization.

- **Founder and President** of Ocean Doctor focused on a broad range of marine conservation science and policy issues including:
 - Conducting and disseminating leading-edge research on marine conservation
 - Building strong international partnerships for marine research and conservation, especially in Cuba
 - Advancing sustainable aquaculture
 - Educating, inspiring and involving the public

Since its incorporation in 2012, built the organization into a leading international conservation organization recognized for its research and conservation work in Cuba.

- **Cuba Conservancy:** More than 20 years of leading collaborative research and conservation efforts in Cuba, currently under Ocean Doctor's Cuba Conservancy Program; created and led Trination Initiative for Marine Research & Conservation in the Gulf of Mexico & Western Caribbean (www.TrinationalInitiative.org), a unique partnership of the U.S., Cuba and Mexico designed to elevate collaboration in marine science and conservation to a new level. Significant media coverage including *60 Minutes*, the *New York Times*, NPR, PBS, ABC's *Good Morning America*. Our work has been considered among the best examples of Cuba-U.S. collaboration and has been credited with laying a foundation of trust for the normalization of relations in 2014.

Additional Duties: Chairman of the Board, The Great Whale Conservancy

(<https://greatwhaleconservancy.org/>). Advisory Board member: Harte Research Institute for Gulf of Mexico Studies at Texas A&M University-Corpus Christi; Blue Frontier Campaign; Ben Franklin Global Forum

See Addendum for Additional Ocean Doctor Experience

Adjunct Professor, Johns Hopkins University, Advanced Academic Programs, Washington, DC (August 2020-date) <https://advanced.jhu.edu/>

- Authored and teaching Johns Hopkins' first graduate course on ocean conservation: "Ocean Stewardship and Conservation"

Vice President, Conservation Policy, The Ocean Conservancy (Formerly the Center for Marine Conservation), Washington, DC (2000-2004)
www.oceanconservancy.org

Membership 140,000; annual budget \$12-15 million

- **Senior Leadership Team:** Played key role in executive management of organization. Oversaw three of organization's four strategic programs: marine wildlife conservation, marine fish conservation, and marine ecosystem protection for this 30-year-old leading marine conservation NGO.
- **Strategic Leadership:** Responsible for strategic leadership, work planning, budget oversight, and management of personnel. Oversaw research and scientific programs, including expeditionary research. Oversaw establishment of region office in New England and field office in the U.S. Virgin Islands. Led in the development of performance measures/indicators for use both internally and externally. Led effort to design and develop organizational position statements. Played leadership role on numerous organization projects and campaigns, especially on establishing marine protected areas.
- **Organizational Transition:** Played leadership role in major organizational transition to a team-based and place-based structure while ensuring ongoing quality of program activities. Provided leadership and support for a wide range of program accomplishments. Led organizational "visioning" effort, a component of strategic planning, to focus on key marine conservation issues in next decade and beyond.
- **Fundraising:** Engaged in a range of successful fundraising activities, including donor cultivation and foundation grant writing. Successfully fundraised for establishment of U.S. Virgin Islands office and achieved sustained funding for the program. Established strong funding for Cuba program.
- **Spokesperson:** Served as organizational spokesperson with frequent press appearances (newspaper, television, radio).
- **International Program:** Oversaw organization's international program, including a field office in the U.S. Virgin Islands, major field projects in Cuba

and Colombia, and collaboration with the Species Survival Commission of ICUN-The World Conservation Union.

- **Visiting Professor:** University of Costa Rica/University of Florida International Environmental Law Program (*Consultorio Jurídico*), San José, Costa Rica, 2004

President & CEO, The Conservancy of Southwest Florida, Naples, Florida (1996-2000) www.conservancy.org

Membership 5,500; annual budget \$3 million; 35 staff, 15 interns, 700 volunteers

- **Executive Leadership/Management:** Oversaw all aspects of 40-year-old leading environmental nonprofit working to protect the western Everglades; reported to a 32-person board of directors; oversaw environmental advocacy and research activities, two nature centers, school & summer camp education programs, wildlife rehabilitation center
- **Organizational Transition and “Rebirth”:** Reestablished Conservancy’s role as Southwest Florida’s leader in environmental advocacy and education. Created new Environmental Policy Division, strengthening The Conservancy’s voice, increasing the public’s involvement, and elevating the organization’s role and effectiveness at the state and national levels. Developed and implemented new mission statement and strategic plan; developed organization’s first formal marketing plan; implemented major reorganization to provide unity and focus to a previously diffuse and divided organization; developed and successfully implemented four-year budget plan to balance an operational budget that had previously been operating at a deficit.
- **Fundraising:** Oversaw and participated in all fundraising for organization Worked directly to cultivate donations by individual donors (80% of revenue). Increased major donor revenues by more than 23%, membership by 27% over a three-year period; oversaw implementation of new investment policy that significantly increased investment income.
- **Key Program Results:**
 - Secured funding for the protection of South Golden Gate Estates. Shared the podium with Vice President Al Gore in 1997 to announce this important milestone.
 - Established reputation of organization as a leader and “constructive advocate,” one that moves beyond simple opposition toward providing constructive solutions.
 - Testified before Congress and the Florida State Legislature to secure funding commitments for restoration of the Everglades, the largest environmental restoration in history.
 - Provided voice for organization in Washington, Tallahassee and in Southwest Florida on a wide range of issues, including Everglades

restoration, offshore oil drilling, land conservation, water quality and growth management. Established leadership role for organization on Everglades Ecosystem issues in Washington and Tallahassee and succeeded in advancing conservation legislation nationally, state-wide and locally.

- Unified organization's education activities and increased effectiveness of environmental education programs. In partnership with NAACP and the Jane Goodall Institute, oversaw development of an after-school environmental education program for at-risk children. Follow-up studies showed that grades for these children have improved significantly.

See Addendum for Additional Conservancy of Southwest Florida Experience

Co-Chair, The Everglades Coalition, Washington, DC/Florida (1998-2000)

www.evergladescoalition.org

- **Executive Leadership/Management:** Served as Florida co-chair, managing all aspects of the Everglades Coalition, a 39-year-old coalition of 40 national, state, and regional nonprofit environmental groups and foundations working to protect and restore the Everglades.
- **Fundraising:** Participated in successful fundraising efforts to advance the coalition's efforts in Tallahassee and Washington, DC.
- **Results:** Brought unity and a clear voice to this diverse coalition. With National co-chair, coordinated development of position papers, served as spokesperson with national, state and local media, serve as representative to governmental officials and other stakeholders, planned and led annual conference. Testified before Congress on Comprehensive Everglades Restoration Project (CERP) and funding legislation which ultimately passed.

President/Founder, Applied Environmental Research, Falls Church, Virginia (1994-1996)

- **Consulting Services:** Provided consulting research activities for the Electric Power Research Institute (EPRI) and others. Directed an international team of researchers, including scientists from the Russian Academy of Sciences and St. Petersburg Forestry Academy, for an EPRI-sponsored study of climate change mitigation opportunities in Siberian forests. Also served as lead author of final report distributed to several hundred EPRI-member utilities.

Vice President/Co-Founder, EcoAnalysis, Inc., Ojai, California (1984-1994)

- **Executive Leadership/Management:** Staffed, managed and developed business for this \$2 million company. Managed staff of 30, and personally

developed more than \$1 million in annual revenues.

- **Project Management:** Directed numerous environmental analysis and information management projects, including marine monitoring, climate change research, environmental impact assessment, and occupational health research, including electric and magnetic fields (EMF) health effects research.

President, Friends of Channel Islands National Park, Ventura, California (1993-94) www.nps.gov/chis/

- **Volunteer Management:** Managed mostly volunteer staff of nonprofit organization.
- **Results:** Oversaw successful membership promotion that doubled membership and operating budget, development of new educational programs, volunteer activities, and successful drive to increase corporate sponsorship.

Staff Scientist/Biological Data Manager, Woodward-Clyde Consultants (now URS Corp.), San Francisco, California (1981-84) www.wcc.com

Responsibilities: Oversaw management and analysis of all biological data from field studies, including benthic and fish studies in Alaska and Colombia, South America. Data supported environmental impact reports and litigation.

Program Coordinator/Instructor, Seacamp/Newfound Harbor Marine Institute, Big Pine Key, Florida (Summers: 1978-86) www.seacamp.org

Responsibilities: Directed “Seafarers” program, in cooperation with Girl Scouts of America. Developed curriculum, educational materials, and served as the lead instructor in outdoor education programs including coral reef ecology and mangrove ecosystems.

EDUCATION

Ph.D., Environmental Science & Public Policy, George Mason University (1999) [GPA 4.0]

Dissertation: Examined impacts of forest fire management policies on climate change.

M.A. Population/Aquatic Biology, University of California, Santa Barbara (1989) [GPA 4.0]

Research: Examined biological and physical variability as measured by an underwater optical mooring.

M.A. Regional Science, B.A. Environmental Studies, University of Pennsylvania (1980) [Cum Laude]

Received M.A. and B.A. concurrently. Thesis: Examined environmental impacts of mosquito control practices in the Florida Keys.

SELECTED AWARDS, HONORS

Outstanding Achievement Award, awarded by International Exploration Society, Philadelphia, Pennsylvania (2011)

Ocean Advocacy Award, awarded by the Cousteau family honoring 100th birthday of Jacques Cousteau, Spring 2011, New York. See: www.oceaninspiration.net

Featured in 2010 book, *SeaVoices: Working Toward Sea Change* by Duffy Healey & Elizabeth Laul Healey (ISBN-10: 0578060337; ISBN-13: 978-0578060330)

Featured in the 2009 book, *Lessons from Empowering Leaders: Stories Moving Your Organization Toward Greater Success* by Ed Poole (ISBN-10: 1600375723; ISBN-13: 978-1600375729)

Explorers Club, inducted as National Fellow in 2008, recognizing accomplishments in exploratory research and conservation efforts in Cuba, the Gulf of Mexico and the Arctic.

Man of the Year 1999 for Environmentalism by *Gulf Shore Life Magazine (Southwest Florida)*

Invited keynote speaker for numerous major conferences, events.

SELECTED PUBLICATIONS

Guggenheim, D.E. *In press*. A Living Time Machine: Cuba's Remarkably Healthy Marine Ecosystems and the hope they offer the world. Prometheus Books, imprint of Globe Pequot, division of Rowman & Littlefield.

Guggenheim, D.E., M. Walton, X. Escovar-Fadul, R. Hughen. 2018. A Century of Unsustainable Tourism in the Caribbean: Lessons Learned and Opportunities for Cuba (June 2018). Washington, DC: Ocean Doctor.

Gonzalez, G., Bretos, F., Aguilar, C., Guggenheim, D.E., Hernández, I., Cabrebra, Y., Suarez-Montes, N. 2008. Present Condition of Coral Reefs and Associated Ecosystems in the Northwest Region of Cuba. 11th International Coral Reef Symposium. July 7-11, 2008 -- Ft. Lauderdale, Florida, USA.

Guggenheim, D.E. 1996. Management of Forest Fires to Maximize Carbon Sequestration in Temperate and Boreal Forests. 7th Annual Global Warming International Conference, April 1-3, 1996 -- Vienna, Austria.

Electric Power Research Institute. CO₂ Offset Opportunities in Siberian Forests: Environmental, Socioeconomic, and Political Factors Influencing Feasibility for U.S. Electricity Generators. RP 3041-13. 1995. (Principal author)

Guggenheim, D.E. 1995. An Electric Utility's Challenge: Creating an Integrated Chemical Management Information System. *Total Quality Environmental Management*. 4(2): 55-62.

The Keystone Center. Voluntary Reporting of Greenhouse Gas Emission Reductions and Offsets by Electricity Generators. Final Consensus Report. March 1994. (Co-author)

Guggenheim, D.E. and J. Michaelson. 1988. Biological and physical variability at several time scales observed by a nearshore optical mooring off Southern California. *EOS, Transactions, American Geophysical Union* 69(44):1124-1125.

MacDonald, K.B. *et al.* 1984. *Final Report, Southwest Florida Shelf Ecosystems Study*. Prepared for Minerals Management Service by Woodward-Clyde Consultants and Continental Shelf Associates. Contract 14-13-0001-29144. (Co-author)

ADDITIONAL DATA

- **Languages:** Spanish (near-fluent), Russian
- Certified PADI Divemaster with more than 45 years of SCUBA diving experience.
- Trained pilot of *DeepWorker* and *DeepRover* 1-person submersibles with dives up to 1,900 feet.
- Experienced powerboat captain.
- Award-winning professional photographer, videographer. Photographs have appeared in numerous magazines, publications; video has appeared on network television broadcasts, including 60 Minutes (CBS), PBS NewsHour, CNN, ABC and the National Geographic Channel.
- Documentary filmmaker

References Available Upon Request

ADDENDUM: Additional Experience

Ocean Doctor

- **Cuba Environmental Film Festival.** Founder and creator of Cuba's first environmental film festival in collaboration with Cuba's Mundo Latino.
- **Disaster at Nightingale: How Tragedy Found the World's Remotest Island** (see www.disasteratnightingale.com). Producer, videographer, editor of documentary, which premiered in New York and has been shown at the BLUE Ocean Film Festival (St. Petersburg, FL), EcoCinema 2014 Film Festival (Tel-Aviv, Israel), 4th Annual New York Wildlife Conservation Film Festival (New York, NY), Cine'Eco – International Environmental Film Festival of Serra da Estrela (Seia, Portugal), the 5th Artisan Festival International – World Peace Initiative (Hamptons, NY) and the 4th Blue Vision Summit (Washington, DC). The film was also shown at the 2014 International Oil Spill Conference.
- **BP Deepwater Horizon Oil Spill Response:** Conceived of and leading a major project to bring sustainable aquaculture to the Vietnamese American fishing community in New Orleans East, a community hard-hit by Hurricane Katrina and the BP Deepwater Horizon oil spill. The “Viet Village Urban Farm Sustainable Aquaculture Park” is envisioned to be a new, green industry for the Gulf region that can serve as a model for sustainable aquaculture for the nation. See: www.oceandocor.org/vietvillage
- **BP Deepwater Horizon Oil Spill – Environmental Spokesperson:** Served as a leading spokesperson on environmental impacts of the BP Deepwater Horizon oil spill disaster, including appearances on PBS NewsHour, CNN, MSNBC, ABC's “Good Morning America” and others.
- **Ocean Doctor's 50 Years – 50 States – 50 Speeches Expedition:** Conceived of and launched this journey of outreach and education to reach schools in all 50 states with speeches and activities about the oceans to build awareness and encourage careers in science. See: <http://oceandocor.org/50states>
- **The Ocean Doctor Radio Show:** In 2010, in collaboration with Matrix Media, the national talk radio syndication firm that launched Animal Planet Radio, Travel Channel Radio and the HGTV Design Minutes, launched a new radio show, entitled, The Ocean Doctor, which was one of the network's most successful program launches. See: www.oceandocor.org/radio

The Conservancy of Southwest Florida

- **Spokesperson:** Served as organizational spokesperson; frequent media appearances (newspaper, television, radio);

- **Additional Duties:**

- Co-Chair, The Everglades Coalition (see above)
- Trustee, Corkscrew Regional Ecosystem Watershed (CREW) Land & Water Trust
- Management Board Member, Rookery Bay National Estuarine Research Reserve
- Member, U.S. Army Corps of Engineers' Alternatives Development Group for its Environmental Impact Study of Southwest Florida.