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Hawaii Pacific University  
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<http://www.pelagicos.net>

## **EDUCATION**

Ph.D. Biological Oceanography, January 2001  
Scripps Institution of Oceanography, University of California San Diego, La Jolla, CA

B.Sc. Ecology, Behavior and Evolution, June 1993  
University of California San Diego, La Jolla, CA

## **AWARDS**

Pew Fellowship in Marine Conservation – 2007

Best Fisheries Paper, 10<sup>th</sup> Annual North Pacific Marine Science Organization Conference, October 2001

Teaching Excellence Award. Biology Department, University of California San Diego, June 1996

Graduation with Honors, University of California San Diego, June 1993

Phi Beta Delta National Honor Society, University of California San Diego, May 1991

## **RESEARCH INTERESTS**

Foraging Ecology of far-ranging Marine Birds and Management of Pelagic Systems: What physical mechanisms define predictable foraging hotspots in pelagic systems ? How can we combine natural history and oceanography to design management plans and Marine Protected Areas in the open ocean ? Use of satellite telemetry to understand the ecology of highly migratory pelagic species.

## **RESEARCH EXPERIENCE**

### **Dissertation Research**

'Marine Bird Distribution and Abundance off southern California: Pattern and Process at Multiple Scales'

### **Assistant Professor in Oceanography**

Hawaii Pacific University, Honolulu, HI.  
January 2008 - present

### **Adjunct Professor**

Duke University Marine Laboratory, Beaufort, NC.  
January 2008 – present

### **Visiting Scholar**

University of Washington, Seattle, WA.  
June 2005 – December 2007

## COMPETITIVE GRANTS

### Current Support

- (10/15/06 - 10/14/09) NOAA Marine Literacy and Education Program: \$ **599,861**  
Signals of Spring - Animals in Curriculum-based Ecosystem Studies  
Collaboration with U.S. Satellite Laboratory; Glen Schuster PI;  
Investigators: Schuster / Marrero / **Hyrenbach** / Williamson / Hester / Keiper / Stock
- (01/01/07 – 12/31/09) Pew Marine Conservation Fellowship: \$ **150,000**  
Spatially-explicit Conservation in the Alborán Sea:  
Habitat Modeling and Gap Analysis Guide Pelagic Protected Area Designs  
Investigators: **Hyrenbach**
- (05/16/08 – 08/31/09) National Fish and Wildlife Foundation Marine Debris Program: \$ **39,863**  
North Pacific Plastic Debris and Seabird Research Cruise  
Investigators: **Hyrenbach** / Lavender
- (01/01/09 - 12/31/09) Hawaii Department of Land and Natural Resources (DLNR): \$ **33,000**  
Foraging ecology of two Hawaiian seabird guilds: Tuna birds (Wedge-tailed Shearwaters & Red-footed Boobies) versus Solitary Foragers (Brown Boobies & Red-tailed Tropicbirds)  
Investigators: Young / **Hyrenbach** / Shaffer / Suryan
- (01/01/09 – 12/31/09) Spring 2008 HPU TSEP Grant: \$ **4,000**  
Seabird Surveys onboard NOAA Ecosystem Research Division Cruise to the NPCTZ  
Investigators: **Hyrenbach** / Howell
- (05/01/09 – 10/31/09) Mellon 8 Faculty Research / Teaching Partnership: \$ **3,500**  
Comparative Foraging Ecology of Seabirds in Contrasting Ecosystems  
Investigators: Karnovsky / **Hyrenbach**
- (06/01/09 – 05/31/10) Marisla Foundation: \$ **35,000**  
Seabirds as Bio-Indicators of Pelagic Plastic Debris in the North Pacific Ocean  
Hester / Nevins / **Hyrenbach**
- (09/01/09 – 08/31/10) National Fish and Wildlife Foundation Marine Debris Program: \$ **33,867**  
Non-lethal assessment of plastic ingestion in live seabirds  
Investigators: **Hyrenbach** / Titmus

## REFEREED JOURNAL PUBLICATIONS

Ainley, D.G., **Hyrenbach, K.D.**. Top-Down And Bottom-Up Factors Affecting Seabird Population Trends in the California Current System (1985-2006). *Progress in Oceanography*, Submitted.

**Hyrenbach, K.D.**, Milot E., Nevitt, G.A. Quantifying Marine Bird Attendance at Survey Vessels: Implications for Studies of Community Structure. *Aquatic Biology*, Submitted.

Louzao, M., Bécarea, J., Rodríguez, B., **Hyrenbach, K.D.**, Ruiz, A., Arcos, J.M. Combining vessel-based surveys and tracking data to identify key marine areas for seabirds: a conservation application. *Marine Ecology Progress Series*, In Press.

Abdulla, A., Gomei, M., **Hyrenbach, D.**, Notarbartolo-di-Sciara, G., T. Agardy. 2008. Current challenges towards a network of representative marine protected areas in the Mediterranean: a need to prioritize the protection of underrepresented habitats. *ICES Journal of Marine Science* 66: 22-28.

- Hebshi, A.J., Duffy, D.C., **Hyrenbach, K.D.** 2008. Associations between seabirds and subsurface predators around Oahu, Hawaii.. *Aquatic Biology* 4: 89-98.
- Notarbartolo-di-Sciara, G., Agardy, T., **Hyrenbach, D.**, Scovazzi, T., and Van Klaveren, P. 2008. The Pelagos Sanctuary for Mediterranean Marine Mammals. *Aquatic Conservation* 18(4): 367-391.
- Hyrenbach, K.D.**, Henry, M.F., Morgan K.H., Welch, D.W., and Sydeman, W.J. 2007. Optimizing strip transects for seabird surveys from ships of opportunity. *Marine Ornithology* 35:29-37.
- Hyrenbach, K.D.**, Veit, R.R., Weimerskirch, H., Metz N., and Hunt, Jr., G.L. 2007. Community Structure Across a Large-scale Ocean Productivity Gradient: Marine Bird Assemblages of the southern Indian Ocean. *Deep-Sea Research I* 54(7): 1129-1145.
- Veit, R.R., **Hyrenbach, K.D.**, and Martin, M.-C. 2007. Records of Rare Birds in the Indian Ocean During the Austral Summers of 2003-2004. *Bulletin of the British Ornithologist's Club* 127(1): 27-34.
- Zacharias, M., Gerber, L. and **Hyrenbach, D.** 2006. Incorporating the science of marine reserves into IWC Sanctuaries: The Southern Ocean Sanctuary. *Journal of Cetacean Research and Management* 8(1): 1-12.
- Sydeman, W.J., Bradley, RW, Warzybok, P., Jahncke, J., **Hyrenbach, K.D.**, Kousky, V., Hipfner, M.A., and Ohman, M.D. 2006. Krill and Krill Predators: Responses of Planktivorous Auklets *Ptychoramphus aleuticus* to the Anomaly of 2005. *Journal of Geophysical Research* 33, L22S09.
- Hyrenbach, K.D.**, Veit, R.R., Weimerskirch, H., and Hunt, Jr., G.L. 2006. Seabird associations with mesoscale eddies: the subtropical Indian Ocean. *Marine Ecology Progress Series* 324: 271-279.
- Louzao, M., **Hyrenbach, K.D.**, Arcos, J.M., Abelló, P., Gil Desola, L., and Oro, D. 2006. Oceanographic Habitat of a Critically Endangered Mediterranean Procellariiform: Implications for the Design of Marine Protected Areas. *Ecological Applications* 16(5): 1683–1695.
- Halpin, P.N., Read, A.J., Best, B.D., **Hyrenbach, K.D.**, Fujioka, E., Coyne, M.S., Crowder, L.B., Freeman, S.A. and Spoerri, C. OBIS-SEAMAP: Developing a Biogeographic Research Data Commons for the Conservation of Marine Mammals, Seabirds and Sea Turtles. *Marine Ecology Progress Series*. 316: 239-246.
- Batten, S.D., **Hyrenbach K.D.**, Sydeman, W.J. Morgan, K.H., Henry, M.F., and Yen, P.P.Y., and Welch, D.W. 2006. Characterising Meso-Marine Ecosystems of the North Pacific. *Deep-Sea Research II*, 53 (3-4): 270-290.
- Suryan, R.M., Sato, F., Balogh, G., **Hyrenbach, K.D.** , Sievert, P., and Ozaki, K. 2006. Foraging destinations and marine habitat use of short-tailed albatrosses: a multi-scale approach using first-passage time analysis. *Deep-Sea Research II*, 53 (3-4): 370-386.
- Yen, P.P.W., Sydeman, W.J. , Bograd, S.J., **Hyrenbach, K.D.** 2006. Spring-time distributions of migratory marine birds in the southern California Current: Oceanic eddy associations and coastal habitat hotspots over 17 years. *Deep-Sea Research II*, 53 (3-4): 399-418.
- Redfern, J., Ferguson, M.C., Becker E.A., **Hyrenbach, K.D.**, Good, C., Kaschner K., Baumgartner M.F., Forney, K.A. Balance, L.T., Fauchald, P., Halpin, P., Hamazaki, T., Pershing, A.J., Qian, S.S., Read, A., Reilly, S.B., Torres, L., and Werner, F. 2006. Techniques for cetacean-habitat modeling: A Review. *Marine Ecology Progress Series*, 310: 271-295.
- Hyrenbach, K.D.**, Keiper, C., Allen, S.G., Anderson, D.J., and Ainley, D.G. 2006. Use of national marine sanctuaries by far-ranging predators: commuting flights to the California Current System by breeding Hawaiian albatrosses. *Fisheries Oceanography*, 15 (2): 95-103.

Gerber, L.R., **Hyrenbach, K.D.**, and Zacharias, M.A. 2005. Do the largest reserves protect whales or whalers? *Science*, 307: 525-526.

Yen, P.P.W., Sydeman, W.J., and **Hyrenbach, K.D.** 2004. Marine bird and cetacean associations with bathymetric habitats and shallow-water topographies: implications for trophic transfer and conservation. In: Dower, J.F., and Brodeur, R.D. (Eds.), *The Role of Biophysical Coupling in Concentrating Marine Organisms Around Shallow Topographies*. *Journal of Marine Systems*, 50 (1-2): 79 – 99.

**Hyrenbach, K.D.**, and Irons, D. 2003. Introduction to the symposium on seabird biogeography: Past, Present and Future of Seabird Communities. *Marine Ornithology*, 31: 95-99.

Smith, J.L., and **Hyrenbach, K.D.** 2003. Galápagos Islands to British Columbia: seabird communities along a 9,000 km transect from the tropical to the subarctic Eastern Pacific Ocean. *Marine Ornithology*, 31: 155-166.

Baduini, C.L., and **Hyrenbach, K.D.** 2003. Biogeography of Procellariiform foraging strategies: does ocean productivity influence provisioning? *Marine Ornithology*, 31: 101-112.

**Hyrenbach, K.D.**, and Veit, R.R. 2003. Ocean warming and seabird communities of the California Current System: response at multiple temporal scales. *Deep-Sea Research II*, 50 (14-16): 2537-2565.

**Hyrenbach, K.D.**, and Dotson, R.C. 2003. Assessing the susceptibility of female Black-footed Albatross (*Phoebastria nigripes*) to longline fisheries during their post-breeding dispersal: an integrated approach. *Biological Conservation*, 112: 391-404.

**Hyrenbach, K.D.** 2002. Plumage-based ageing criteria for the Black-footed Albatross. *Marine Ornithology*, 30: 85-93.

**Hyrenbach, K.D.**, Fernández, P., and Anderson, D.J. 2002. Oceanographic habitats of two sympatric North Pacific albatrosses during the breeding season. *Marine Ecology Progress Series*, 233: 283-301.

**Hyrenbach, K.D.**, Baduini, C.L., and Hunt, G.L., Jr. 2001. Line transect estimates of Short-tailed Shearwater (*Puffinus tenuirostris*) mortality in the Southeastern Bering Sea: 1997-99. *Marine Ornithology*, 29: 27-34.

**Hyrenbach, K.D.**, and Dotson, R.C. 2001. Post-breeding movements of a male Black-footed Albatross *Phoebastria nigripes*. *Marine Ornithology*, 29:23-26.

**Hyrenbach, K.D.** 2001. Albatross response to survey vessels: implications for studies of seabird distribution, abundance and prey consumption. *Marine Ecology Progress Series*, 212:283-295.

Baduini, C.L., **Hyrenbach, K.D.**, Coyle, K.O., Pinchuk, A., Mendenhall, V., and Hunt, G.L., Jr. 2001. Mass mortality of Short-tailed Shearwaters in the southeastern Bering Sea during summer 1997. *Fisheries Oceanography*, 10:117-130.

**Hyrenbach, K.D.**, Forney K.A., and Dayton, P.K. 2000. Marine Protected Areas and Ocean Basin Management. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 10:437-458.

## OTHER PUBLICATIONS AND REPORTS

**Hyrenbach, D.**, Nevins, H., Hester, M., Keiper, C., Webb, S., Harvey, J. 2009. Seabirds Indicate Plastic Pollution in the Marine Environment. In: *Marine debris in Alaska : coordinating our efforts : proceedings of the Marine Debris in Alaska Workshop, February 14-15, 2008, Anchorage, Alaska / Michael Williams and Erika Ammann, (Editors), Fairbanks : Alaska Sea Grant College Program, University of Alaska Fairbanks, pp. 57-61.*

McClatchie, S., Goericke, R., Koslow, J.A., Schwing, F.B., Bograd, S.J., Charter, R., Watson, W., Lo, N., Hill, K., Gottschalk, J., L'Heureux, M., Xue, Y., Peterson, W.T., Emmett, R., Collins, C., Gaxiola-Castro, G., Durazo, R., Kahru, M., Mitchell, B.G., **Hyrenbach, K.D.**, Sydeman, W.J., Bradley, R.W., Warzybok, P., and Bjorkstedt, E. 2008. The State of the California Current, 2007-2008: La Niña Conditions and Their Effects on the Ecosystem. California Cooperative of Oceanic Fisheries Investigations Reports 49: 39-76.

**Hyrenbach, K.D.** 2008. Applying Spatially-explicit Measures for Albatross Conservation, Pp. 118-120. In: De Roi, T., Jones, M., Fitter, J. (Eds). Albatross: their world, their ways. Firefly Books, Buffalo, NY.

**Hyrenbach, K.D.** 2008. Around our Necks. (Invited letter to the editor). Natural History 115 (5): 6 (2).

**D. Hyrenbach**, A. Cañadas & R. Sagarminaga. 2008. Spatially-explicit Conservation in the Alborán Sea: Predictive Habitat Models and Gap Analysis Guide Pelagic Protected Area Designs. European MPA Symposium, Sept. 25 – 28, 2007, Murcia, (Spain). Available online at: <http://www.alboranseaconservation.org/resources.htm>

M. Louzao, J. M. Arcos, **D. Hyrenbach** & D. Oro. 2008. Marine protected areas for the conservation of Mediterranean Procellariiformes. European MPA Symposium, Sept. 25 – 28, 2007, Murcia, (Spain). Available online at: <http://www.alboranseaconservation.org/resources.htm>

J.M. Arcos, J. Bécades, B. Rodríguez, A. Ruiz, I. Ramírez, P. Amorim, P. Geraldés, A. Meirinho, V. Paiva, C. Viada, M. Louzao & **D. Hyrenbach**. 2008. Marine Important Bird Areas (IBAs): towards the effective protection of seabirds at sea. European MPA Symposium, Sept. 25 – 28, 2007, Murcia, (Spain). Available online at: <http://www.alboranseaconservation.org/resources.htm>

Goericke, R., Venrick, E., Koslow, T., Sydeman, W.J., Schwing, F.B., Bograd, S.J., Peterson, W.T., Emmett, R., Lara-Lara, J.R., Gaxiola-Castro, G., Valdez, J.G., **Hyrenbach, K.D.**, Bradley, R.W., Weise, M.J., Harvey, J.T., Collins, C., and Lo, N.C.H. 2007. State of the California Current 2006-2007: Regional and Local Processes Dominate. California Cooperative of Oceanic Fisheries Investigations Reports, 48: 33-66.

Peterson, W.T., Emmett, R., Goericke, R., Venrick, E., Mantyla, A., Bograd, S.J., Schwing, F.B., Hewitt, R., Lo, N., Watson, W., Barlow, J., Lowry, M., Ralston, S., Forney, K.A., Lavaniegos, B.E., Sydeman, W.J., **Hyrenbach, D.**, Bradley, R.W., Warzybok, P., Chavez, F., Hunter, K., Benson, S., Wiese, M., and Harvey, J. 2006. The State of the California Current, 2005–2006: Warm in the North, Cool in the South. California Cooperative of Oceanic Fisheries Investigations Reports, 47: 30-74.

Rintoul, C., Langabeer-Schlagenhauf, B., **Hyrenbach, K.D.**, Morgan, K.H., Sydeman, W.J. 2006. Atlas of California Current Marine Birds and Mammals. PRBO Conservation Science. <http://prbo.org>

Nevins, H., Keiper, C., **Hyrenbach, D.**, Stock, J., Hester, M., and Harvey, J. 2005. Seabirds as Indicators and Ambassadors to Teach about Marine Plastic Pollution. Rivers to Sea Conference Proceedings Available online at: <http://conference.plasticdebris.org/whitepapers.html>

Goericke, R., Venrick, E., Mantyla, A., Bograd, S.J., Schwing, F.B., Huyer, A., Smith, R.L., Wheeler, P.A., Hooff, R., Peterson, W.T., Chavez, F., Collins, C., Marinovic, B., Lo, N., Gaxiola-Castro, G., Durazo, R., **Hyrenbach, K.D.**, and Sydeman, W.J. 2005. The State of the California Current, 2004–2005: Still Cool? California Cooperative of Oceanic Fisheries Investigations Reports, 46: 32-71.

Papastavrou, V. and Leaper, R. / Gerber, **Hyrenbach, K.D.**, and Zacharias, M.A. 2005. Debating Whale Sanctuaries. Letters to Science 309: 51-52.

Norse, E. A., Crowder, L.B., Gjerde, K., **Hyrenbach, K.D.**, Roberts, C. and Soulé, M.E. 2005. The Potential for Reserves as an Ecosystem-based Management Tool in the Open Ocean. In: Norse, E.A., and Crowder, L.B. (Eds). Island Press, Washington D.C. Pages 302 – 327.

U.S. Fish & Wildlife Service (with contributions from Naughton, M., Mills, K., Rauzon, M., Sydeman, W., Zimmerman, T., Carter, H., Fry, M., Work, T., Newman, S., **Hyrenbach, D.**, Helm, R.) 2005. Regional Seabird Conservation Plan -Pacific Region. Portland, U.S. Fish & Wildlife Service Pacific Region.

Pederson, K.C., **Hyrenbach, K.D.**, Morgan, K., Elliott, G., Yen, P., and Sydeman, W.J. 2005. Pelagic Predators, Prey and Processes (P4): a multi-species approach to the conservation of offshore organisms and habitats in the California Current System. Proceedings of the California and the World Ocean 2002 Conference. Santa Barbara, CA, October 27-30, 2002.

Goericke, R., Bograd, S.J., Gaxiola-Castro, G., Gómez-Valdes, J., Hooff, R., Huyer, A., **Hyrenbach, K.D.**, Lavaniegos, B.E., Mantyla, A., Peterson, W.T., Schwing, F.B., Smith, R.L., Sydeman, W.J., Venrick, E., and Wheeler, P.A. 2004. The State of the California Current, 2003–2004: A Rare “Normal” Year. California Cooperative of Oceanic Fisheries Investigations Reports, 45: 27-59.

Wilkinson, T., Agardy, T., Perry, S., Rojas, L., Morgan, K., **Hyrenbach, D.**, Fraser, D., Janishevski, L., Herrmann, H., and De La Cueva, H. 2004. Marine Species of Common Conservation Concern – protecting species at risk across international boundaries. Proceedings of the Fifth International SAMPAA (Science and Management of Protected Areas) Conference, University of Victoria, Victoria, B.C., Canada. May 11 – 16, 2003. (<http://www.sampaa.org/proceedings.htm>)

Shaffer, S. Costa, D., Suryan, R., and **Hyrenbach, D.** 2004. Regional Summaries: North Pacific (section 4.1). In: BirdLife International. Global Procellariiform Tracking Workshop Report. Cambridge, BirdLife International. pp. 47-49.

**Hyrenbach, D.**, Costa, D., Croxall, J., Cuthbert, R., Gales, R., Huin, N., Nel, D., Nicholls, D., Phillips, R., Pinaud, D., Quintana, F., Robertson, C., Robertson, G., Shaffer, S., Silk, J., Stahl, J.-C., Suryan, R., Terauds, A., and Weimerskirch, H. 2004. Results: Establishment, maintenance and use of GIS tracking database (section 5.3). In: BirdLife International. Global Procellariiform Tracking Workshop Report. Cambridge, BirdLife International. pp. 64-66.

Croxall, J., Costa, D., Cuthbert, R., Gales, R., Huin, N., **Hyrenbach, D.**, Nel, D., Nicholls, D., Phillips, R., Pinaud, D., Quintana, F., Robertson, C., Robertson, G., Shaffer, S., Silk, J., Stahl, J.-C., Suryan, R., Terauds, A., and Weimerskirch, H. 2004. Conclusions and future work (chapter 6). In: BirdLife International. Global Procellariiform Tracking Workshop Report. Cambridge, BirdLife International. pp. 69-72.

Read, A.J., Halpin, P.N., Crowder, L.B., Hyrenbach, K.D., Best, B.D., and Freeman, S.A. (Editors). 2003. OBIS-SEAMAP: mapping marine mammals, birds and turtles. Web-site: <http://seamap.env.duke.edu>

Venrick, E. L., Bograd, S. J., Checkley, D., Durazo, R., Gaxiola-Castro, G., Hunter, J., Huyer, A., **Hyrenbach, K. D.**, Lavaniegos, B.E., Mantyla, A., Schwing, F.B., Smith, R.L., Sydeman, W.J., Wheeler, P. 2003. The State of the California Current, 2002 – 2003: Tropical and Subarctic influences vie for Dominance. California Cooperative of Oceanic Fisheries Investigations Reports, 44:28-60.

Schwing, F. B., Bograd, S. J., Collins, C. A., Gaxiola-Castro, G., Garcia, J., Goericke, R., Gomez-Valdez, J., Huyer, A., **Hyrenbach, K. D.**, Kosro, P. M., Lavaniegos, B. E., Lynn, R. J., Mantyla, A. W., Ohman, M. D., Peterson, W. T., Smith, R. L., Sydeman, W. J., Venrick, E. L., Wheeler, P. 2002. The State of the California Current, 2001 – 2002: Will the CCS keep its cool, or is El Niño looming ? California Cooperative of Oceanic Fisheries Investigations Reports, 43:14-31.

Durazo, R., Baumgartner T. R., Bograd, S. J., Collins, C. A., De La Campa, S., Garcia, J., Gaxiola-Castro, G., Huyer, A., **Hyrenbach, K. D.**, Loya, D., Lynn, R. J., Schwing, F. B., Smith, R. L., Sydeman, W. J., and Wheeler, P. 2001. The State of the California Current, 2000 – 2001: A third straight La Niña year. California Cooperative of Oceanic Fisheries Investigations Reports, 42:29-60.

Parrish J.K., Logerwell, E.A., Sydeman, W., and **Hyrenbach, D.** 2001. Of sardines and seabirds. In: Phillips, S.H. (Ed.), Proceedings of the Sardine Symposium 2000. (pp. 71-77). Pacific States Marine Fisheries Commission, Gladstone, Oregon. Available at: <http://www.psmfc.org/tsc2/>

Veit, R. R. and **Hyrenbach, K. D.** 2001. Changes in Seabird Communities of the California Current, 1987-1999. In: Green, R.E., Harley, M., Spalding, M., and Zöckler C. (Eds.), Impacts of climate change on wildlife. (pp. 34 - 37). Proceedings of the "No place to go" Climate Change and Wildlife Conference. University of East Anglia, Norwich, England, September 16-19, 1999.

Bograd, S. J., DiGiacomo, P. M., Durazo, R., Hayward, T. L., **Hyrenbach, K. D.**, Lynn, R. J., Mantyla, A. W., Schwing, F. B., Sydeman, W. J., Baumgartner, T., Lavaniegos, B., and Moore, C. S. 2000. The State of the California Current, 1999-2000: Forward to a new regime ? California Cooperative of Oceanographic Fisheries Investigations Reports, 41:26-52.

Hayward, T. L., Baumgartner T. R., Checkley, D. M., Durazo, R., Gaxiola-Castro, G., **Hyrenbach, K. D.**, Mantyla, A. W., Mullin M. M., Murphree T., Schwing F. B., Smith P. E., and Tegner, M. J. 1999. The State of the California Current, 1998-1999: Transition to cool-water conditions. California Cooperative of Oceanographic Fisheries Investigations Reports, 40:29-62.

Lynn, R. J., Baumgartner T., Collins, C. A., Garcia, J., Hayward, T. L., **Hyrenbach, K. D.**, Mantyla, A. W., Murphree, T., Shankle, A., Schwing F. B., Sakuma K. M., and Tegner, M. J. 1998. The State of the California Current, 1997-1998: Transition to El Niño Conditions. California Cooperative of Oceanographic Fisheries Investigations Reports, 39:25-49.

#### **PUBLIC OUTREACH ARTICLES**

Notarbartolo-di-Sciara, G., Agardy, T., and **Hyrenbach, D.** 2007. 'The Pelagos Sanctuary for Mediterranean Marine Mammals'. Module for the Marine Protected Areas (MPAs) Package, Network of Conservation Educators and Practitioners (NCEP), Available online at: [http://ncep.amnh.org/index.php?globalnav=modules&sectionnav=module\\_files&module\\_id=498](http://ncep.amnh.org/index.php?globalnav=modules&sectionnav=module_files&module_id=498)

Hodum, P., and **Hyrenbach, K.D.** 2006. 'Conservation implications of migration routes of Pink-footed Shearwaters'. Tracker News. Winter 2006. <http://www.microwavetelemetry.com/newsletters.php>

**Hyrenbach, D.**, Baduini, C., Hester, M., Keiper, C., Nevins, H., Adams, J. Spring 2006. 'Turning the tide for Troubled Albatross'. ArcNews. <http://www.esri.com/news/arcnews/spring06articles/turning-the-tide.html>

Keiper, C.A., Hester, M.M., and **Hyrenbach, K.D.** 2005. 'Wonderous Ocean Wanderers in Our Own Front Yard'. Hydrosphere 17: 1, 10-11. <http://www.farallones.org/docs/albatross.pdf>

Louzao, M., Arcos, J.M., **Hyrenbach, K.D.**, Abelló, P., Gil Desola, L., and Oro, D. 2004. Resultados preliminares sobre el habitat de alimentacion de la pardela balear en el levante Iberico Peninsular. Anuario Ornitologico Balear 19: 61-67.

**Hyrenbach, K.D.** 'Warming Event in a Cold Ocean'. Observer, number 130, Fall 2002. pp. 4.

Sydeman, W.J., and **Hyrenbach, K.D.** 'Sea Change'. Observer, number 127, Winter 2002. pp. 1-8.

**Hyrenbach, K.D.** 'Foraging Destinations'. Observer, number 126, Fall 2001. pp. 6-7.

**PROFESSIONAL SERVICE**

Review Editor, Marine Ecology Progress Series. March 2006 - present  
 Member, Mediterranean Group of WCPA Marine. October 2005 - present.  
 Associate, Center for Marine Conservation at Duke University. January 2005 - present  
 Associate, CalCOFI long-term ecological research (LTER) program. November 2004 - present  
 Chair, North Pacific Albatross Working Group. December 2004 – December 2006  
 Representative Duke University Animal Care Committee, January 2004 – June 2005  
 Invited Editor, Seabird Biogeography Symposium, Marine Ornithology. Fall 2003  
 Anonymous Reviewer, Marine Ecology Progress Series. June 2001 - February 2006  
 U.S. Seabird Representative, Marine Species of Common Conservation Concern, Nov. 2000 - April 2004  
 Student Representative, Campus Planning Committee, U.C. San Diego. Sept. 1995 - June 1998  
 Student Representative, Park Committee, U.C. San Diego. Sept. 1991 - March 1993 & Sept. 1995 - June 1998

**PROFESSIONAL MEMBERSHIPS**

American Society of Limnology and Oceanography	North Pacific Marine Science Organization
Oceanography Society	Pacific Seabird Group
Society for Conservation Biology	Western Society of Naturalists

**THESIS ADVISORS**

Dr. Paul K. Dayton (co-chair, S.I.O.)	Dr. George Hunt (co-chair, U.C.I.)
Dr. Kaustuv Roy (U.C.S.D.)	Dr. Peter Franks (S.I.O.)
Dr. Jules Jaffe (S.I.O.)	Dr. Richard Veit (College of Staten Island)

**COLABORATORS (in the last 24 months)**

Mr. Josh Adams (Moss Landing Marine Labs)	Dr. Jose Manuel Arcos (SEO - BirdLife)
Dr. Tundi Agardy (Sea Around Us)	Dr. David Ainley (H.T. Harvey)
Dr. Pep Arcos (SEA / BirdLife)	Dr. George Balazs (NOAA)
Dr. Sonia Batten (SAHFOS)	Dr. Ana Cañadas (Alnitak)
Dr. John Croxall (B.A.S., U.K.)	Dr. David Duffy (University of Hawaii)
Dr. Lisa Etherington (NOAA)	Dr. Leah Gerber (Arizona State University)
Dr. Aaron Hebshi (University of Hawaii)	Dr. James Harvey (Moss Landing Marine Labs)
Dr. Sascha Hooker (University St. Andrews, U.K.)	Dr. George Hunt (University of Washington)
Ms. Michelle Hester (Oikonos)	Dr. Jaime Jahncke (PRBO – Conservation Science)
Dr. Nina Karnovsky (Pomona College)	Dr. Kara Lavender (Sea Education Association)
Dr. Maite Louzao (CNRS – Chize)	Ms. Hannahrose Nevins (Moss Landing Marine Labs)
Dr. Giuseppe Notarbartolo di Sciara (Tethys)	Dr. Daniel Oro (IMEDEA, Spain)
Dr. Gabrielle Nevitt (UC Davis)	Dr. William Sydeman (P.R.B.O.)
Dr. Eric Vetter (Hawaii Pacific University)	Dr. Henri Weimerskirch (CEBC – CNRS, France)
Dr. Richard Veit (College of Staten Island)	Dr. Mark Zacharias (University of Victoria, Canada)