

## HELEN REGAN, DR

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**PROPOSED ROLE:** INTERNATIONAL COLLABORATOR

**CURRENT POSITION:** SENIOR RESEARCHER ASSISTANT PROFESSOR, BIOLOGY DEPARTMENT, SAN DIEGO STATE UNIVERSITY

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### Education

Ph.D., Applied mathematics, University of New England, Australia, 4/2000.

B.A.(honors), Applied mathematics, LaTrobe University, Australia, 3/92.

### Professional Experience

**Assistant Professor**, Biology Department, San Diego State University. 01/2003-pres.

**Post-Doctoral Fellow**, National Center for Ecological Analysis and Synthesis, University of California- Santa Barbara, 2000-2002.

**Research Scientist**, Applied Biomathematics, Setauket, NY. 1999-2000.

**Research Fellow**, School of Botany, University of Melbourne, Australia. 1997-1999.

### Publication Summary

Peer reviewed papers:	25
Peer reviewed book chapters:	6
Peer reviewed conference proceedings:	2
Technical reports:	13

### Selected Publications

**Regan, H.M.**, M. Colyvan and L. Markovchick-Nicolls. A formal model for consensus and negotiation in environmental management. *Journal of Environmental Management* (In press).

Halpern, B.S., **H.M. Regan**, H. Possingham, M.A. McCarthy. Accounting for uncertainty in marine reserve design. *Ecology Letters* 9:2-11, 2006.

**Regan, H.M.**, Y. Ben-Haim, B. Langford, W.G. Wilson, P. Lundberg, S.J. Andelman, and M.A. Burgman. Robust decision making under severe uncertainty for conservation management. *Ecological Applications*, 15(4):1471-1477, 2005.

**Regan, H.M.**, M. Colyvan, and M.A. Burgman. A taxonomy and treatment of uncertainty for ecology and conservation biology. *Ecological Applications*, 12(2):618-628, 2002.

**Regan, H.M.**, R. Lupia, A.N. Drinnan and M.A. Burgman. The currency and tempo of extinction. *The American Naturalist*, 157(1):1-10, January 2001.

### Professional Distinctions, Grants, and Awards

**2006-present.** Standards and Petitions Subcommittee, Biodiversity Assessments Subcommittee (Red List Committee), IUCN Species Survival Commission.

**2005-2007.** California Dept of Fish and Game. Assessing and improving the San Diego Multi-Species Conservation Plan Biological Monitoring Plan. (co-PI).

**2005-present.** Steering committee member. National Science Foundation Research Coordination Network on *Biodiversity Conservation in Dynamic Landscapes*. University of California Santa Barbara, Conservation International.

**2003 - present.** Member of the South-Central California Coast Technical Recovery Team for Steelhead trout. NOAA, National Marine and Fisheries Service.

**2005.** U.S. Environmental Protection Agency Training Contract. Robust decision making under uncertainty for environmental management. (PI).

**March 2003.** Ecological Risk Assessment Paper of Year 2002 in Journal of Human and Ecological Risk Assessment for "Analysis and portrayal of uncertainty in a food web exposure model" H.M. Regan, B.K. Hope and S. Ferson, 8(7):1757-1777, 2002.

### Current Students Advised

Dawn Lawson (PhD); Katie Steele (PhD); Lisa Markovchick-Nicholls (MS); Toni Mizerek (MS); John Crookston (MS).