

## Tópicos selectos: Problemas contemporáneos de conservación de aves marinas

Eric Mellink

**Créditos:** 2.

**Objetivo:** Analizar problemas actuales de conservación de aves marinas; sus relaciones con las necesidades humanas y presiones de desarrollo y explorar las posibilidades de solución. Este curso amplía y actualiza la discusión de temas de conservación de mi curso regular (Ecología y conservación de aves marinas y costeras).

**Programa:** El curso constará de 12 sesiones de 1½ horas cada una, en cada una de las cuales que se discutirán cuando menos 3 artículos actuales relevantes a la conservación de aves marinas. Se revisarán los siguientes temas. Las lecturas indicadas son tentativas y se actualizarán conforme avance el trimestre, en función de la literatura nueva:

	Tema	Lecturas
1	Captura incidental 1	Piatt, J.F. y D.N. Nettleship. 1987. Incidental catch of marine birds and mammals in fishing nets of Newfoundland, Canada. <i>Marine Pollution Bulletin</i> 18(6B):344-349. Gandini, P. y E. Frere. 2006. Spatial and temporal patterns in the bycatch of seabirds in the Argentinian longline fishery. <i>Fishery Bulletin</i> 104:482-485. American Bird Conservancy. s.f. Sudden death on the high seas. Longline fishing: a global catastrophe for birds.
2	Captura incidental 2	Lewis, R. and Crowder, L.B. 2003. Evaluating the impact of fishery bycatch on a vulnerable seabird population: putting together the pieces of the puzzle. <i>Ecological Applications</i> 13:743-753. Tuck, G.N. T. Polacheck, J.P. Croxall y H. Weimerskirch. 2001. Modelling the Impact of Fishery By-Catches on Albatross Populations. <i>Journal of Applied Ecology</i> 38:1182-1196. Miller, T.J. y J.R. Skalski. 2006. Estimation of seabird bycatch for North Pacific longline vessels using design- and model-based methods. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> 63:1878-1889.
3	Captura incidental 3	Mills, M.S.L. y P.G. Ryan. 2005. Modelling impacts of long-line fishing: what are the effects of pair-bond disruption and sex-biased mortality on albatross fecundity? <i>Animal Conservation</i> 8:359-367. Robertson, G., M. McNeill, N. Smith, B. Wienecke, S. Candy y F. Olivier. 2006. Fast sinking (integrated weight) longlines reduce mortality of white-chinned petrels ( <i>Procellaria aequinoctialis</i> ) and sooty shearwaters ( <i>Puffinus griseus</i> ) in demersal longline fisheries. <i>Biological Conservation</i> 132:458-471. Pierre, J.P. y W.S. Norden. Reducing seabird bycatch in longline fisheries using a natural olfactory deterrent. <i>Biological Conservation</i> 130:406-415.
4	Modificación de hábitat	Simeone, A. y M. Bernal. 2000. Effects of Habitat Modification on Breeding Seabirds: A Case Study in Central Chile. <i>Waterbirds</i> 23:449-456. Louzao, M., K.D. Hyrenbach, J.M. Arcos, P. Abello, L.G. de Sola, y D. Oro. 2006. Oceanographic habitat of an endangered Mediterranean procellariiform: Implications for marine protected areas. <i>Ecological Applications</i> 16:1683-1695. Le Corre, M., A. Ollivier, S. Ribes, P. Jouventin. 2002. Light-induced mortality of petrels: a 4-year study from Reunion Island (Indian Ocean). <i>Biological Conservation</i> 105: 93-102.
5	Disturbio 1	Carney, K.M. y W.J. Sydeman. 1999. A review of human disturbances on nesting colonial waterbirds. <i>Waterbirds</i> 22: 68-79. Nisbet C.T.I. 2000. Disturbance, habituation, and management of waterbird colonies. <i>Waterbirds</i> 23:312-332. (Falta) Carney, K.M. y W.J. Sydeman. 2000. Response: disturbance, habituation and management of waterbirds. <i>Waterbirds</i> 23:333-334. (Falta)
6	Disturbio 2	Ellenberg, U., T. Mattern, P.J. Seddon, y G.L. Jorquera. 2006. Physiological and reproductive consequences of human disturbance in Humboldt penguins: The need for species-

- specific visitor management. *Biological Conservation* 133:95-106.
- Walker, B.G., P.D. Boersma, y J.C. Wingfield. 2006. Habituation of adult Magellanic penguins to human visitation as expressed through behavior and corticosterone secretion. *Conservation Biology* 20:146-154.
- Rodgers Jr., J.A. y S.T. Scwiker. 2002. Buffer-zone distances to protect foraging and loafing waterbirds from disturbance by personal watercraft and outboard-powered motors. *Conservation Biology* 16:216-224.
- 7 Pesquerías Periotti, R. y C.A. Annet. 1990. Diet and reproductive output in seabirds. *BioScience* 40:568-574.
- Jahncke J, E. Goya y A. Guillen. 2001. Seabird by-catch in small-scale longline fisheries in northern Peru. *Waterbirds* 24:137-141.
- Becker, B.H. y S.R. Beissinger. 2006. Centennial decline in the trophic level of an endangered seabird after fisheries decline. *Conservation Biology* 20:470-479.
- 8 Exóticos Donlan, C.J., B.R. Tershy y D.A. Croll. 2002. Islands and introduced herbivores: Conservation action as ecosystem experimentation. *Journal of Applied Ecology* 39:235-246.
- Croll D.A., J.L. Maron, J.A. Estes, E.M. Danner y G.V. Byrd. 2005. Introduced predators transform subarctic islands from grassland to tundra. *Science* 307:1959-1961.
- Nogales, M., A. Martin, B.R. Tershy, C.J. Donlan, D. Veitch, N. Puerta, B. Wood y J. Alonso. 2004. A review of cat eradication on islands. *Conservation Biology* 18:310-319.
- 9 Cambio global Moller, A.P., E. Flensted-Jensen y W. Mardal. 2006. Dispersal and climate change: a case study of the Arctic tern *Sterna paradisaea*. *Global Change Biology* 12:2005-2013.
- Oedekoven, C.S, D.G Ainley y L.B. Spear. 2001. Variable responses of seabirds to change in marine climate: California Current, 1985-1994. *Marine Ecology Progress series* 212: 265-281.
- Hyrenbach, K.D. y R.R. Veit. 2003. Ocean warming and seabird communities of the southern California Current System (1987-98): response at multiple temporal scales. *Deep Sea Research Part II: Topical Studies in Oceanography* 50:2537-2565.
- 10 Discusión general 1 Mellink, E. 2001. History and status of colonies of Heermann's Gull in Mexico. *Waterbirds* 24:188-194.
- Peery, M.Z., S.R. Beissinger, S.H. Newman, E.B. Burkett y T.D. Williams. 2004. Applying the declining population paradigm: Diagnosing causes of poor reproduction in the marbled murrelet. *Conservation Biology* 18:1088-1098.
- Jenouvrier, S., C. Barbraud, B. Cazelles y H. Weimerskirch. 2005. Modelling population dynamics of seabirds: importance of the effects of climate fluctuations on breeding proportions. *Oikos* 108:511-522.
- 11 Discusión general 2 Wolf, S., B. Keitt, A. Aguirre-Muñoz, B. Tershy, E. Palacios, and D. Croll. 2006. Transboundary seabird conservation in an important North American marine ecoregion. *Environmental Conservation* 33:294-305.
- Wilson, R.P., D. Grémillet, J. Syder, M.A.M. Kierspel, S.G. Garthe, H. Weimerskirch, C. SchäferNeth, J.A. Sclaro, C.A. Bost, J. Plötz y D. Nel. 2002. Remotesensing systems and seabirds: their use, abuse and potential for measuring marine environmental variables. *Marine Ecology Progress Series* 228:241-261.
- Zydelis, R., D. Esler, W.S. Boyd, D.L. Lacroix y M. Kirk. 2006. Habitat use by wintering surf and white-winged scoters: Effects of environmental attributes and shellfish aquaculture. *Journal of Wildlife Management* 70:1754-1762.
- 12 Discusión general 3 Oro, D. 2003. Managing seabird metapopulations in the Mediterranean: constraints and challenges. *Scientia Marina* 67(supl. 2):13-22.
- Boersma, P.D., P. Kareiva, W.F. Fagan, J.A. Clark, and J.M. Hoekstra. 2001. How good are endangered species recovery plans? *BioScience* 51:643.
- Kushlan, J.A., et al. 2002. The North American Waterbird Conservation Plan. Waterbird conservation for the Americas. Washington, D.C.

**Evaluación:** Un examen final.

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