

Lorien Pichegru Publications

Scientific peer-reviewed papers

In press

Pichegru L, Ryan PG, van Eeden R, Reid T, Gremillet D & Wanless R (in press) Industrial fishing, no-take zones and endangered penguins. *Biological Conservation*.

Cook T.C., Hamann M., **Pichegru L.**, Bonadonna F., Grémillet D. & Ryan P.G (in press). When seabirds hit the bottom: investigating fine-scale four-dimensional foraging behaviour in small flighted divers. *Marine Biology*

2011

Write KLB, Pichegru L, Ryan PG. (2011). Penguins are attracted to dimethyl sulphide at sea. *Journal of Experimental Biology* 214 : 2509-2511.

Crawford R.J.M., Altwegg R., Barham B.J., Barham P.J., Durant J.M., Dyer B.M., Makhado A.B., **Pichegru L.**, Ryan P.G., Underhill L.G., Upfold L., Visagie J., Waller L.J. & Whittington P.A (2011). Collapse of South Africa's penguins in the early 21st century: a consideration of food availability. *African Journal of Marine Science* 33: 139-156.

Pichegru L., Ropert-Coudert Y., Kato A., Takahashi A., Dyer B.M., Ryan P.G. (2011) Diving patterns of female Macaroni Penguins breeding on Marion Island, South Africa. *Polar Biology* 34 : 945-954.

2010

Grémillet D., Mullers R.H.E, Moseley C., **Pichegru L.**, Coetzee J.C., Sabarros S., van der Lingen C., Ryan P.G., Kato A. & Ropert-Coudert Y. (2010) Seabirds, fisheries, and cameras. *Frontiers for Ecology*. 8: 401-402

Pichegru L., Grémillet D., Crawford R.J.M. & Ryan P.G. (2010) Marine no-take zone rapidly benefit threatened penguin. *Biology Letters* 6: 498-501.

Ryan P.G., **Pichegru L.**, Grémillet D. (2010) Response to Coetzee and the Pelagic Scientific Working Group *Biology Letters*, e-letter.

Ryan P.G., **Pichegru L.**, Ropert-Coudert Y., Grémillet D. & Kato A. (2010) On a wing and a prayer: the foraging ecology of breeding Cape Cormorants. *Journal of Zoology* 280:25-32.

Pichegru L., Ryan P.G., Crawford R.J.M. & Grémillet D. (2010). Behavioural inertia places a top marine predator at risk from environmental change in the Benguela upwelling system. *Marine Biology* 157:537-544.

2009

Pichegru L., Ryan P.G., Le Bohec C., van der Lingen C.D., Navarro R., Petersen S., Lewis S., van der Westhuizen J., Grémillet D. (2009). Overlap between vulnerable top predators

and fisheries in the Benguela upwelling system: implications for marine protected areas. *Marine and Ecological Progress Series* **391**: 199-208.

Okes N.C., Hockey P.A.R., **Pichegru L.**, van der Lingen C.D, Crawford R.J.M. & Grémillet D. (2009). Competition for shifting resources in the southern Benguela upwelling: seabirds versus purse-seine fisheries. *Biological Conservation*, **142**, 2361-2368.

2008

Grémillet D, **Pichegru L**, Kuntz G, Woakes AG, Wilkinson S, Crawford RJM and Ryan PG (2008). A Junk-food hypothesis for Cape gannets feeding on fishery waste. *Proceedings of the Royal Society of London, B*, **18**, 1-9.

2007

Pichegru L, Ryan PG, van den Lingen CD, Ropert-Coudert Y, Coetzee J, Grémillet D (2007) Foraging strategies and energetics of Cape gannets *Morus capensis* feeding on live prey and fishery discards in the Benguela upwelling system. *Marine and Ecological Process Series*, **350**, 127-136.

2006

Grémillet D., **Pichegru L.**, Siorat F. & Georges J.-Y. (2006). Conservation implications of the mismatch between population dynamics and foraging effort in Northern gannets from the English Channel. *Marine and Ecological Process Series*, **319**, 15-25.

Massemin-Challet S., Gendner J.-P., Samtmann S., **Pichegru L.**, Wulgué A. & Le Maho Y. (2006) Are settled storks (*Ciconia ciconia*) more efficient than migrant in terms of breeding success? *Ibis*, **148**, 503-508.

Semi-popular articles

Pichegru L. & Ryan P.G (2009). Teetering on the brink. *Africa Birds and Birding*, **14**, 42-53.

Wanless, R. & **Pichegru, L.** (2009) Something fishy? Reply to letter. *Africa Birds & Birding* **14**, 8.

Communications

2011

Western Indian Ocean Marine Science Association, Mombasa, Kenya , 24-27th October 2011.

Reid T., **Pichegru L.**, Wanless R., Ryan P.G. Marine IBA in South Africa (oral).

14th South African Marine Science Symposium, Grahamstown, South Africa, 4-7th April 2011.

Pichegru L., Ryan P.G., van Eeden R., Reid T., Grémillet D., Wanless RM. Industrial fishing, no-take zones and endangered penguin (oral).

Pichegru L. Increasing breeding success of an Endangered penguin: artificial nests or culling predatory gulls ? (poster).

van Eeden R., **Pichegru L.**, Ryan P.G. African penguin foraging ecology in relation to fine-scale ocean physical processes. (oral).

Cook T., Hamann M., **Pichegru L.**, Bonadonna F., Grémillet D., Ropert-Coudert Y., Ryan P.G. Progress in bio-logging science helps reveal fine-scale four-dimensional foraging behaviour in small flighted diving seabirds. (poster)

Jarre A., Shannon L, Rowbotham L.-A., Scott L., Altwegg R., Crawford R., Gebrellassie F., Hill E., Ludynia K., Makhado A., Oosthuizen H., **Pichegru L.**, Sherley R., Underhill L., Waller L. & Wanless R. A structured decision support approach to management and conservation of penguins in South Africa (poster).

4th International Science Symposium on bio-logging, Tasmania, Australia, 14-18 March 2011.

Kato A, Chiaradia A, Ryan PG, **Pichegru L**, Le Vaillant L, Le Bohec C, Hanuise N, Yoda K, Ropert-Coudert Y. Partial Dynamic Body Acceleration as a proxy of prey encounter (poster).

2010

2nd SAEON summit, Benchmarking environmental change observation regimes. Kirstenbosch, Cape Town, 5-7 Oct. 2010

van Eeden R., **Pichegru L.**, Ryan P.G. African penguin foraging ecology in relation to fine-scale ocean physical processes. (poster).

World First Seabird Conference, Victoria, Canada, 7-11 Sept. 2010

Pichegru L. (invited speaker), Ryan P.G., van Eeden R., Reid T., Grémillet D., Wanless RM. Industrial fishing, no-take zones and endangered penguin (oral).

Grémillet D., Mullers R.H.E, Moseley C., **Pichegru L.**, Coetzee J.C., Sabarros S., van der Lingen C., Ryan P.G., Kato A., Ropert-Coudert Y. Seabirds, fisheries and cameras. (poster).

Sabarros P.S., Bertrand S., Grémillet D., **Pichegru L.**, Durant J.M., Stenseth N.C., Coetzee J., Twatwa N.M., Machu E. Optimized foraging strategy for South African Cape gannets (*Morus capensis*) (oral).

Cook T., Hamann M., **Pichegru L.**, Bonadonna F., Grémillet D., Ropert-Coudert Y., Ryan P.G. Progress in bio-logging science helps reveal fine-scale four-dimensional foraging behaviour in small flighted diving seabirds. (poster)

2009

Making Waves in Marine Research: A cross section of Marine Research at UCT. 08 September 2009.

Pichegru L., Ryan P., Le Bohec C., Gimenez O., Petersen S., Lewis S, van der Westhuizen J., van der Lingen C.D., Grémillet D. Overlap between vulnerable top predators and pelagic fisheries in the Benguela (oral).

The World in the Bay Series: Penguin Evening. Bayworld Aquarium, Port Elizabeth. 20 May 2009.

Pichegru L. (invited speaker) The African penguin, a species soon to be endangered?

2nd African penguin Conference, Gansbaai, South Africa. 15-18 April 2009.

Pichegru L. No-take zones for purse-seine fisheries around African penguin colonies, first results from the breeding season in Nelson Mandela Bay (oral).

2008

12th Pan-African Ornithological Congress, Goudini Spa, South Africa. 7-12 September 2008.

Pichegru L., Ryan P., Le Bohec C., Gimenez O., Petersen S., Lewis S, van der Westhuizen J., van der Lingen C.D., Grémillet D. Spatial overlap between vulnerable seabirds and pelagic fisheries in the Benguela (oral).

2007

21st Annual meeting for the Society for Conservation Biology, Port Elizabeth, South Africa. 1-5 July 2007.

Pichegru L., Ryan P., Lewis S, Petersen S., Le Bohec C., Grémillet D. Using GPS tracking to design Marine Protected Areas for Vulnerable seabirds in the Benguela (oral).

De Ponte M., Musangu M.M., **Pichegru L.** Great White Pelican (*Pelecanus onocrotalus*) predation on South African west coast islands and its impact on seabird populations (oral).

2006

9th International Seabird Conference, Aberdeen, Scotland. 1-3 Sept. 2006.

Pichegru L., Ryan P., van den Lingen C., Ropert-Coudert Y. & Grémillet D. How to deal with contrasting environments? A comparison of foraging strategies of Cape gannets from colonies within and outside an upwelling system (oral).