

Dr. Phil Bouchet | Postdoctoral Research Fellow

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ResearcherID: K-5365-2012 | Citations: [Google Scholar profile](#) | [ResearchGate: RG profile](#)

Twitter: [@phbouchet](#) | Web: phbouchet.github.io | Publons: <http://bit.ly/2yr9mgZ>

h-index: 6 | Citations: 132

[Education](#) | [Publications](#) | [Technical reports & book chapters](#) | [Grants & awards](#) | [Talks & lectures](#) | [Students](#) | [Professional experience](#) | [Languages](#) | [Academic service](#)

EDUCATION

- 2011-15 **PhD Marine Ecology**, University of Western Australia (Perth, Australia)
Thesis: [Submarine topography as a predictor of mobile predator hotspots: Relevance and applications to conservation planning in the pelagic ocean.](#)
- 2008-09 **MRes Marine Mammal Science (1st class)**, University of St Andrews (St Andrews, Scotland)
Thesis: Don't count your whales before they migrate: Using aerial surveys to assess the status of breeding stock 'D' humpbacks (*Megaptera novaeangliae*) in Western Australia.
Associated paper: [Salgado *et al.* 2012. JCRM 12\(1\): 29-38.](#)
- 2008 **Marine Mammal Management course**, Nova Southeastern University (Fort-Lauderdale, FL, USA)
- 2006-07 **MSc Marine and Coastal Sciences**, University of Western Brittany (Brest, France)
- 2003-06 **BSc (Honours) Zoology (1st class)**, University of Western Brittany (Brest, France)

PEER-REVIEWED PUBLICATIONS

- In prep Forrest JAH, Turner J, Tickler D, **Bouchet P**, Meeuwig JJ. Conserving the bold and the beautiful: Behaviour and nursery use by young shortfin makos.
- Letessier TB, Mouillot D, **Bouchet P**, Vigliola L, Fernandes M, Friedlander A, Sala E, Thompson C, Turner J, Juhel JB, Boussarie G, Caley J, Koldewey H, Maire E, Meeuwig J. Last refuges for marine top predators revealed through non-destructive baited video surveys.
- Thiele D, **Bouchet P**, Waples K, Weisenberger F, Dambimangari Rangers, Unguu Rangers, Balangarra Rangers, Raudino H. Cross-cultural knowledge, crowdsourcing, and expert elicitation inform the predicted distribution of snubfin dolphins in the Kimberley, Western Australia.
- Bouchet P**, Raudino H, Thiele D, Miller DL, Brooks L, Waples K. Going the distance and beyond when estimating the abundance of a cryptic cetacean in a proposed marine protected area.
- Bouchet P**, Salgado-Kent CP, Jenner CSK. Optimal aerial survey planning for estimating the abundance of Stock 'D' humpback whales (*Megaptera novaeangliae*).
- In review **Bouchet P**, Yates K, Caley JM, Mengersen K, Randin C, Parnell S, Fielding AH, Bamford AJ, Ban S, Barbosa AM, Dormann CF, Elith J, Embling CB, Ervin GN, Fisher R, Gould S, Graf RF, Gregr EJ, Halpin P, Heikkinen RK, Heinänen S, Jones AR, Krishnakumar PK, Lauria V, Lozano-Montes H, Mannocci L, Mellin C, Mesgaran MB, Moreno-Amat E, Mormede S, Novaczek E, Oppel S, Ortuño Crespo G,

Peterson AT, Rapacciuolo G, Roberts JJ, Ross RE, Scales KL, Schoeman D, Snelgrove P, Sundblad G, Thuiller W, Torres LG, Verbruggen H, Wang L, Wenger S, Whittingham MJ, Zharikov Y, Zurell D, Sequeira AMM. Key questions in model transferability. *Trends in Ecology and Evolution* (Submitted 29.09.17).

Bouchet P, Letessier TBL, Caley MJ, Nichol SL, Hemmi JM, Meeuwig JJ. Spatial dimensions of pelagic diversity in a geodiverse offshore marine park. *Journal of Applied Ecology* (Submitted 14.12.17).

Thompson C, **Bouchet P**, Meeuwig J. First sub-surface sighting of Shepherd's beaked whale (*Tasmacetus shepherdi*). *Marine Mammal Science* (Submitted 17.04.18).

2018 Sequeira A, **Bouchet P**, Yates K, Mengersen K, Caley J. 2018. [Transferring biodiversity models for conservation: Opportunities and challenges](#). *Methods in Ecology and Evolution* (Early view online).
Impact factor: 6.554 | Altmetric score: 26 | Citations: 0

2017 Allen S, Pollock K, **Bouchet P**, Kobryn H, McElligott D, Nicholson K, Smith J, Loneragan N. 2017. [Preliminary estimates of the abundance and fidelity of dolphins associating with a demersal trawl fishery](#). *Scientific reports*, 7: art4995.
Impact factor: 4.259 | Altmetric score: 192 | Citations: 0

Bouchet P, Meeuwig J, Huang Z, Letessier T, Nichol S, Caley J, Watson R. 2017. [Continental-scale hotspots of pelagic fish abundance inferred from commercial catch records](#). *Global Ecology and Biogeography*, 26: 1098-1111.
Impact factor: 5.273 | Altmetric score: 42 | Citations: 2

Letessier TB, **Bouchet PJ**, Meeuwig JJ. 2017. [Sampling mobile oceanic fishes and sharks: Implications for fisheries and conservation planning](#). *Biological Reviews*, 92(2): 627–646.
Impact factor: 11.615 | Altmetric score: 42 | Citations: 10

2015 **Bouchet PJ**, Meeuwig JJ. 2015. [Drifting baited stereo-videography: A novel sampling tool for surveying pelagic wildlife in offshore marine reserves](#). *Ecosphere*, 6: art137.
Impact factor: 2.86 | Altmetric score: 13 | Citations: 10

Bouchet PJ, Meeuwig JJ, Salgado Kent CP, Letessier TBL, Jenner CKS. 2015. [Topographic determinants of mobile vertebrate predator hotspots: Current knowledge and future directions](#). *Biological Reviews*, 90(3): 699-728.
Impact factor: 11.615 | Altmetric score: 8 | Citations: 26

Parsons ECM, Baulch S, Bechshoft T, Bellazzi G, **Bouchet PJ**, Cosentino AM, Godard-Coding CAJ, Gulland F, Hoffmann-Kuhnt M, Hoyt E, Livermore S, MacLeod CD, Matrai E, Munger L, Ochiai M, Peyman A, Recalde-Salas A, Regnery R, Rojas-Bracho L, Salgado-Kent CP, Slooten E, Wang JY, Wilson SC, Wright AJ, Young S, Zwamborn E, Sutherland WJ. 2015. [Key research questions of global importance for cetacean conservation](#). *Endangered Species Research*, 27(2): 113-118.
Impact factor: 1.325 | Altmetric score: 248 | Citations: 17

Letessier T, **Bouchet P**, Reisser J, Meeuwig J. 2015. [Baited videography reveals remote foraging and migration behaviour of sea turtles](#). *Marine Biodiversity*, 45(4): 609-610.
Impact factor: 1.646 | Altmetric score: 5 | Citations: 4

2013 Letessier TBL, Meeuwig JJ, Gollock M, Groves L, **Bouchet PJ**, Chapuis L, Vianna G, Kemp K, Koldewey HJ. 2013. [Assessing pelagic fish populations: The application of demersal techniques to the mid-water environment](#). *Methods in Oceanography*, 8: 41-55.
Impact factor: n/a | Altmetric score: 15 | Citations: 32

- 2012 Salgado Kent CP, Jenner KCS, Jenner MN, **Bouchet PJ**, Rexstad E. 2012. [Southern Hemisphere breeding stock "D" humpback whale population estimates from North West Cape, Western Australia](#). *Journal of Cetacean Research and Management*, 12(1): 29-38.
Impact factor: 0.8 | Altmetric score: 26 | Citations: 25

TECHNICAL REPORTS, BOOK CHAPTERS & PROCEEDINGS

- 2018 **Bouchet P**, Meeuwig J, Huveneers C, Langlois T, Letessier T, Lowry M, Rees M, Santana-Garcon J, Scott M, Taylor M, Thompson C, Vigliola L, Whitmarsh S. 2018. [Chapter 6: Marine sampling field manual for pelagic BRUVS \(Baited Remote Underwater Videos\)](#). In: Field Manuals for Marine Sampling to Monitor Australian Waters. National Environmental Science Programme (NESP), pp 105-132.
- Langlois T, Williams J, Monk J, **Bouchet P**, Currey L, Goetze J, Harasti D, Huveneers C, Lerodiatonou D, Malcolm H, Whitmarsh S. 2018. [Chapter 5: Marine sampling field manual for benthic stereo BRUVS \(Baited Remote Underwater Videos\)](#). In: Field Manuals for Marine Sampling to Monitor Australian Waters. National Environmental Science Programme (NESP), pp 82-104.
- Bouchet P**, Meeuwig J, Erbe C, Salgado-Kent C, Wellard R, Pattiaratchi C. 2018. [Bremer Canyon Emerging Priorities Project EP2: Occurrence and distribution of marine wildlife in the Bremer Bay region - Final Project Report](#). National Environmental Science Programme (NESP), Marine Biodiversity Hub, 32 p.
- Bouchet P**, Wellard R, Erbe C, Meeuwig J. 2018. [Aerial visual survey of cetaceans and other megafauna in the Bremer Marine Park and surrounding areas](#). Short communication prepared for the National Environmental Science Programme (NESP), Marine Biodiversity Hub, 5 p.
- Przeslawski R, Picard K, Nichol S, Radford B, **Bouchet P**. (2018) Applying geoscience to biodiversity monitoring: Case studies from an Australian marine park. *PeerJ Preprints*, 6:e26520v1.
DOI: 10.7287/peerj.preprints.26520v1.
- Miller K, Puotinen M, Przeslawski R, Huang Z, **Bouchet P**, Radford B, Li J, Kool J, Picard K, Thums M, Meeuwig J, Nichol S. 2017. [NESP Project D1 Ecosystem understanding to support sustainable use, management and monitoring of marine assets in the North and North-West regions - Final Report 2016](#). Report to the National Environmental Science Programme, Marine Biodiversity Hub. Australian Institute of Marine Science, 146 p.
- 2016 Meeuwig J, Turner J, **Bouchet P**. 2016. Bremer Canyon Science Report: Workshop held 25 October 2016. Report to the National Environmental Science Programme, Marine Biodiversity Hub, 27 p.
- 2015 Przeslawski R, Miller K, Nichol S, **Bouchet P**, Huang Z, Kool J, Radford B, Thums M. 2015. [NESP D1: Developing a toolbox of predictive models for the monitoring and management of KEFs and CMRs in the North and North-west regions](#). Scientific workshop report to the National Environmental Science Programme Marine Biodiversity Hub, 23 p.
- Caley J, **Bouchet P**, Kool J, Meeuwig J, Nichol S, Przeslawski R. 2015. [Oceanic Shoals Commonwealth Marine Reserve - A guide](#). Brochure produced for the National Environmental Research Programme (NERP), 13 p.
- 2013 Huang Z, Przeslawski R, Kool J, Li J, **Bouchet P**, Nichol S. 2013. [Australian marine environmental data: Descriptions and metadata](#). Record 2013/21. Geoscience Australia: Canberra, 214 p.

Nichol SL, Howard FJF, Kool J, Stowar M, **Bouchet P**, Radke L, Siwabessy J, Przeslawski R, Picard K, Alvarez de Glasby B, Colquhoun J, Letessier T, Heyward A. 2013. [Oceanic Shoals Commonwealth Marine Reserve \(Timor Sea\) Biodiversity Survey: GA0339/SOL5650 – Post Survey Report](#). Record 2013/38. Geoscience Australia: Canberra, 112 p.

Burton C, Salgado-Kent C, Glencross R, Marley S, Recalde-Salas A, Attard C, **Bouchet P**, Moller L. 2013. Southwest Whale Ecology Study (SouWEST): An integrated collaborative project using multiple platforms to investigate the ecology and behaviour of baleen whales in southwestern Australia. *Proceedings of the 3rd biennial Southwest Marine Conference*, Dunsborough, Western Australia – 9 May 2013.

2011 Salgado Kent C, Marley S, **Bouchet P**, Nagy J. 2011. A theodolite tracking study of baleen whales in Geographe Bay, Western Australia. *Proceedings of the 48th Annual Australian Marine Science Association (AMSA) Conference*, Fremantle, Western Australia – 3 to 7 July 2011.

GRANTS & AWARDS

2017 Frontiers in Marine Science Field Work Photography Competition, Winner [EUR € 500]
NESP Marine Biodiversity Hub Project D2 (CI), University of Western Australia [AUD \$120,000]

2016 Allen Award, Australian Marine Science Association [AUD \$2,500]
PhD Graduation Valedictorian, University of Western Australia
<https://www.youtube.com/watch?v=9LrH0SmlPp4&t=2s>
NESP Marine Biodiversity Hub Project D1 (CI), University of Western Australia [AUD \$120,000]

2015 Graduate Research School Publication prize (special commendation), University of Western Australia. Awarded for the *Biological Reviews* paper entitled [Topographic determinants of mobile vertebrate predator hotspots: Current knowledge and future directions](#).

2014 Research grant (CI), Australian Marine Mammal Centre (AMMC) [AUD \$46,000]

2013 Research grant (PI), Australian Academy of Science (AAS) [AUD \$15,000]

TALKS & LECTURES

See my [personal webpage](#) for a list of conference presentations, seminars, and lectures.

STUDENT SUPERVISION

PhD **Mr. Christopher Thompson**, University of Western Australia
Resetting the baseline: The ecology of remote pelagic fish assemblages

Masters **Miss Thelma Paianotis**, University of Western Australia/ENS Paris-Saclay
Dynamics of fish schooling behaviour in relation to shark abundance

Mr Alex McLennan, University of Western Australia
Effects of camera field of view on the richness, abundance and biomass of fish assemblages recorded on BRUVS (Baited Remote Underwater Video Systems)

PROFESSIONAL EXPERIENCE

2017	Research scientist , Ascension Island Government [UK]
2015	Data analyst , Western Australian Department of Parks and Wildlife [Australia]
2014	Research scientist , National Geographic Society (Pristine Seas Programme)
2013	Research coordinator , Australian Academy of Science & University of Western Australia [Australia]
2012-13	Library officer , University of Western Australia [Australia]
2012	Research scientist , National Environmental Research Program's (NERP) [Australia] Field assistant , Australian Institute of Marine Science (AIMS) [Australia]
2011	Administrative assistant , Vice-Chancellery of the University of Western Australia [Australia]
2010-12	Assistant field coordinator , Southwest Whale Ecology Study (SouWEST) [Australia]
2010	Marine tour guide and sales assistant , Oceanic cruises, Rottnest Express [Australia]
2010	Data manager assistant , Macquarie University [Australia]
2009	IT consultant , TMF Group [Switzerland]
2007-11	Research and field assistant , Centre for Whale Research (WA) Inc. (CWR) [Australia]
2007-08	IT analyst and reporting manager assistant , Kemnay Services Ltd. [Switzerland]
2006	Research assistant , Marine Mammal Research Laboratory of Oceanopolis [France] Marine education assistant , Association Picardie Nature [France] Marine education and animal care assistant , Oceanopolis [France]
2004	Field assistant , Mingan Island Cetacean Study (MICS) [Quebec]

LANGUAGES

French	Mother tongue
English	Fluent (Cambridge Advanced English score: 210)
Spanish	Conversational

ACADEMIC SERVICE

Associate Editor, Remote Sensing in Ecology and Conservation.

Review Editor, Frontiers in Marine Science (Marine Megafauna section).

Reviewer for the following academic journals: Methods in Ecology and Evolution, Frontiers in Marine Science, Diversity and Distributions, Marine Environmental Research, Journal of Wildlife Management.

Scientific memberships: [Australian Marine Science Association](#), [Society for Marine Mammalogy](#), [British Ecological Society](#), [Ecological Society of Australia](#), [Society for Conservation Biology](#).

Teaching: Science communication, scientific photography, R programming for ecologists.