

DR. JAN O. ENGLER

PostDoc on Demand

PERSONAL INFORMATION

Name: Engler
Surnames: Jan Oliver
Title: Dr. rer. nat. & Dipl. Biogeograph
Marital Status: civil union, 1 child *2017

Current position: founder of MaveUP OÜ
Work Address: Sepapaja 6
15551 Tallinn, Estonia
Nationality: German
Date of Birth: 7th July 1984
Place of origin: Oberhausen, Germany

EDUCATION

01/2013-11/2015 **PhD student**
Zoological Researchmuseum Alexander Koenig, Bonn, Germany Defended: 25.5.2016
Grade: *summa cum laude*

10/2005-03/2012 **Diploma in Applied Biogeography**
Trier University, Germany.
Major subjects: Biogeography, Geobotany, Soil Science, Geology

WORK EXPERIENCE

since 10/2016 FWO PostDoc Fellow at the Terrestrial Ecology Unit, Ghent University, Ghent, Belgium

2.5 years FTE research experience since PhD

MAIN RESEARCH INTERESTS

Population & Landscape Genetics/-omics

Range Dynamics of Animals and Plants in a Changing World

Basic and Applied Ecology in Environmental Planning

AWARDS

Seven awards from the German Ornithological Society, Alexander Koenig Society, Sparrho, publons, and Peerage of Science

GRANTS

Total >**800,000€** for research, fellowships and international mobility.

German, Swiss and Belgian funding.

ACHIEVEMENTS

Editorial Board Member for two ISI-listed journals. Council member of the German Ornithological Society (DO-G) and the European Ornithologists Union (EOU).

34 ISI-listed & peer reviewed journal articles, including **11** first & **7** senior authorships.

- 2013-2016** Affiliated researcher at the Department of Wildlife Sciences, University of Göttingen, Göttingen, Germany
- 2007-2016** **Freelance work for several consulting and planning agencies:**
ANUVA Stadt- und Umweltplanung, Architekturbüro Ernst & Partner, BioConsult SH, Büro Sieber, Ecodia Umweltgutachten, egp GmbH, Grontmij GmbH, Hortulus GmbH, KBH Architektur, Landschaftsökologische Arbeitsgemeinschaft Schäfer & Wey, Landschaftsökologie Scholtes, Stadtplanungsamt Trier, Umwelt- und Verbraucherschutzamt Köln
- 2011-2012** Affiliated researcher at the Zoological Researchmuseum Alexander Koenig, Bonn, Germany
- 2007-2010** Student research assistant at the University of Trier Depts. Biogeography, Geobotany, Geology, Environmental specimen bank
- 2010** Intern at Oikostat GmbH, Switzerland (four weeks)
- 2008** Student research assistant at the Max Planck Institute of evolutionary anthropology – Dept. Primatology, Leipzig, Germany
- 2007** Intern at the Nationalpark Berchtesgaden, Germany (six weeks)
- 2006** Student research assistant at the Institute of Avian Research „Vogelwarte Helgoland“ Inselstation Helgoland, Germany
- 1999** Intern at the Biological Institute Helgoland, Germany (three weeks)

AWARDS

- 2017** Top Reviewers for Ghent University (Agriculture and Biological Sciences), publons
 Sparrho early career researcher travel award
- 2016** Sentinel of Science: Agriculture and Biological Sciences, publons
 Dissertation Award of the Alexander Koenig Society, Bonn
- 2015** Hans-Löhr Award, German Ornithological Society
- 2014** Peerage of Science reviewer award
- 2009** Best student talk award at the 142th annual meeting of the German Ornithological Society, Pörschach, Austria

GRANTS

Selected list of external funding (funds of <1,000 € not listed).

As of August 2019 I attracted >838,000€ of external funding.

- 2017** Research Project from Research Foundation – Flanders (FWO): ‘Towards a ‘network of life’: the relative role of lateral events in highland-lowland speciation under past environmental perturbation’ (Grant No. G042318N; together with L. Lens, 320,880€)
- Research Grant from Research Foundation – Flanders (FWO): ‘Decoding the ‘great speciator’ to unravel the role of introgressive hybridization in adaptation to environmental change’ (Grant No. 1527918N; 40,000€)
- Research Grant from FEDERALE WETENSCHAPSBELEID BELSPO for field sampling of occurrence data of birds and butterflies as part of the 2017/2018 BELAIR LITORA Campaign (7,500€)
- 2016** Research and Development Grant for investigating the potential of ecological traps along street edges by the Federal Highway Research Institute (Federal Highway Research Institute – BAST; together with K. Albrecht and J.C. Habel; 196,207€)
- PostDoc fellowship grant 2016-2019: ‘Using East African *Zosterops* to understand speciation and eco-evolutionary dynamics in rapidly changing environments’ from Research Foundation – Flanders (FWO; ca. 185,000€)
- 2015** Travel grant for attending at the conference “Species on the Move”, 9.-12.2.2016, Hobart, Australia from the German Academic Exchange Service (DAAD; 2.028€)
- Scholarship for a short term research stay at Stony Brook University, New York, 15.2. – 14.5.2015. German Academic Exchange Service (DAAD; 5.281 €)
- 2014** Travel grant for attending at the 26. International Ornithological Congress 18.8.-24.8.2014, Tokyo, Japan from the Swiss Society for the Study and Conservation of Birds (ALA; 1,200 €).
- 2013** Travel grant for attending at the Early Career Conference 2014 of the International Biogeography Society, 7.-10.1.2014, Canberra, Australia from the German Academic Exchange Service (DAAD; 1.652€)
- 2012** Travel grant for attending at the 6th Biennial conference of the International Biogeography Society 9.-13.1.2013, Miami, USA from the German Academic Exchange Service (DAAD; 1,306€)
- Fellowship grant 2013-2015: Combining tools for evaluating connectivity in environmental planning and landscape genetics from the German Federal Environmental Foundation (DBU; 41,400€)
- Travel grant for attending at the 5th North American Ornithological Conference, 14.8.-18.8.2012, Vancouver, Canada from the Swiss Society for the Study and Conservation of Birds (ALA; 1,000 €).

Grant for mapping the spatial distribution and habitat preferences of the Natterjack Toad (*Epidalea calamita*) and the Green Toad (*Pseudepidalea viridis*) within Cologne, Germany from the Cologne Environmental Agency (ULB Köln; together with D. Rödder, 17,048.56 €).

2011 Grant for mapping the spatial distribution and habitat preferences of the Sand lizard (*Lacerta agilis*) within Cologne, Germany from the Cologne Environmental Agency (ULB Köln; together with A. Cord and D. Rödder, 9,980 €).

2010 Grant for investigating the population genetic structure of the expansive Hippolais polyglotta. From the German Ornithological Society (DO-G; together with O. Elle and A. Hochkirch, 2,500 €).

Grant for analyzing the genetic and behavioral component of the range expansion of the Melodious Warbler. From the Swiss Society for the Study and Conservation of Birds (ALA; 1,000 €).

Grant for investigating the population dynamics along an expansive range edge of the Melodious Warbler (*Hippolais polyglotta*). From the ministry for environment, forest and consumer protection, Rhineland-Palatinate. (MULEWF-RLP, Stipendium „Arten- und Biotopsschutz“ 1,500 €).

ACADEMIC SERVICES

Journal Please find my Publons profile at publons.com/a/337395

Reviewer: *Avian Research, Biological Invasions, Biodiversity & Conservation, Biotropica, Bird Conservation International, Bird Study, BMC Evolutionary Biology, Conservation Biology, Conservation Genetics, Diversity & Distributions, Ecography, Ecological Modelling, Ecology & Evolution, Herpetological Journal, IBIS, Journal of Animal Ecology, Journal of Avian Biology, Journal of Biogeography, Journal of Heredity, Journal of Ornithology, Mammalian Biology, Marine Ecology Progress Series, Methods in Ecology & Evolution, Molecular Ecology, Northwestern Journal of Zoology, Oecologia, Organisms, Diversity & Evolution, Peerage of Science, PeerJ, PLoS one, Salamandra, Spatial and Spatio-temporal Epidemiology*

Editorial Board

Member: Journal of Avian Biology (Subject Editor, 2017)
Journal of Ornithology (Editorial Board, 2019)

Positions in professional societies

since 2017 Council member of the German Ornithologist Society

since 2014 Founder and co-editor of the research news section of the ornithological journal *VOGELWARTE*

since 2013	Co-founder and spokesman of the special interest group “Spatial Ecology and Biogeography” of the German Ornithological Society
since 2013	Co-founder and spokesman of the special interest group for early career researcher “EOU Fledgelings” of the European Ornithologists Union
2017-2019	Member of the Scientific Program Committee for the 12 th European Ornithological Conference, Cluj, Bulgaria 2019
2015-2019	Council member of the European Ornithologists Union
2015-2017	Member of the Scientific Program Committee for the 11 th European Ornithological Conference, Turku, Finland 2017
2014-2015	Member of the Scientific Program Committee for the 10 th European Ornithological Conference, Badajoz, Spain 2015

ACADEMIC SUPERVISION

I’ve started to informally supervise students already during my Diploma and PhD theses but became recently engaged in much more supervision activities since starting my PostDoc, including external examination of bachelor and master students.

* Official supervision

PhD	<p>*Yvonne Lawrie (Uni Ghent) 2018 – <i>„Eco-evolutionary dynamics in the great speciator genus Zosterops“</i></p> <p>*Walsea Edho Prabowo (Uni Ghent) 2016 – <i>“The Ecology and Conservation of the Moluccan Megapode Eulipoa wallacei“</i></p> <p>Laurence Cousseau (Uni Ghent) 2016 – <i>“Can cooperative breeding buffer the population genetic impacts of habitat fragmentation“</i></p> <p>Céline Kowalczyk (Uni Hasselt/Uni Ghent) 2015 – <i>„The Population Genetic Structure of European Nightjars“</i></p> <p>Ruben Evens (Uni Hasselt) 2013 – 2019 <i>“Evidence-based species conservation: the case of the European Nightjar“</i> Now PostDoc at Vogelwarte Sempach, Switzerland</p> <p>Mareike Schneider (Uni Göttingen) 2012 – 2018 <i>“Investigating the habitat demands of the Grey-headed Woodpecker Picus canus and its distribution border in Lower Saxony“</i> Now working in an environmental consulting office.</p>
MSc	<p>*Philipp Herrmann (HS Anhalt) 2018: <i>„Die Vogelstimmenhotline – Moderne Kommunikation im Naturschutz mit dem Messenger-Dienst WhatsApp“.</i> Now working at UNB Landshut, Bavaria, Germany</p>

***Larissa Uhe (TU München) 2018:** „Breeding success of an open-cup nesting passerine in linear habitat structures along roads“
Currently preparing PhD proposal

***Simone Bosert (Uni Bayreuth) 2018:** „Blackcaps on the Verge: Do Roads Affect Nest Site Selection?“
Now working in an environmental consulting office.

Kathrin Grube (FU Berlin) 2018: „Comparing the food availability of Eurasian blackcaps (*Sylvia atricapilla*) in roadside habitats“ Responsible for study idea and design, supervision. Main advisor PD Jan Christian Habel, TU Munich
Now working in an environmental consulting office.

***Chloé Vescera (Uni Liège) 2018:** „Do the male blackcap (*Sylvia atricapilla*) increase the temporal features of their song in response to traffic noise?“
Responsible for study idea and design, supervision. Main Advisor Prof. Johan Michaux, Uni Liège
Now applying for PhD Position; Shortlisted for Belgian Zoology award for her Master Thesis

Veronica Frans (Uni Göttingen) 2014: „Recolonization of the New Zealand sea lion (*Phocarctos hookeri*): using predictive niche models to identify suitable breeding habitats for management.“ Responsible for coaching and supervising the candidate into species distribution modeling and developing, together with the candidate, a specific modeling framework for the candidates study question. Main advisor: Prof. Niko Balkenhol, Uni Göttingen
Currently PhD Candidate at Michigan State Univ., successfully acquired two competitive NSF grants. Won the young modeler award for her master thesis.

BSc

***Laura Leix (TU Munich) 2019–** „Diversity, density and distribution of birds along an urban-rural gradient at the Belgian coast“

***Leona Frieboese (Uni Potsdam) 2018:** „Road effect on avian breeding communities with special emphasis on the territory establishment of the blackcap (*Sylvia atricapilla*)“

Niklas Böhm (Uni Trier) 2011: „Steht die Arealexpansion des Orpheusspötters *Hippolais polyglotta* in Zusammenhang mit erhöhten Testosteronkonzentrationen? Zu der möglichen Rolle von Aggression am Arealrand invasiver Tierarten.“ Responsible for study idea, design of the study, coordinating fieldwork, train candidate in sampling hormone tissues from blood samples, establish connection to MPI in Seewiesen. Main advisor: Dr. Ortwin Elle, Uni Trier
Now working in an environmental consulting office.

CONTRIBUTIONS TO SCIENTIFIC MEETINGS

Organized events at conferences, symposia, or workshops

- * main organizer
- † invited contribution

- 2017** †Symposium: Decoding Birds: Exploring avian genomes to reveal hidden secrets in ornithology, 11th European Ornithological Conference, 18.-22.08.2017, Turku, Finland (with M Weissensteiner)
- *Evening Event: Meet the Seniors, 11th European Ornithological Conference, 18.-22.08.2017, Turku, Finland (with M Weissensteiner)
- Symposium: Ist die Planungspraxis reif für die Naturschutzgenetik oder was sagen Kothaufen über Art und Populationsgröße? Landschaftstagung 18./19.05.2017, Veitshöchheim, Germany (with K Albrecht)
- 2016** Conference: 1st Joint meeting of young ornithologists. 4.-6.11.2016 University of Natural Resources and Life Sciences, Vienna (with Swen Renner & Petra Quillfeldt)
- *Symposium: Ist die Planungspraxis bereit für Naturschutzgenetik? 2nd annual meeting in conservation genetics, 5.-7.10.2016 Göttingen
- *Workshop: Berechnen von Streifgebieten mit dem Paket rhr in R. 149. Conference of the German Ornithological Society, 28.9. – 3.10.2016 Stralsund (with J Signer)
- †Workshop: Introduction to working with spatial data in R. 46th Annual Meeting of the Ecological Society of Germany, Austria and Switzerland, 5.-9.9.2016, Marburg (with J Signer)
- 2015** *Student talk & poster competition: 10th European Ornithological Conference, Badajoz, Spain (with M Weissensteiner)
- *Evening Event: Meet-the-editors event, 10th European Ornithological Conference, Badajoz, Spain (with M Weissensteiner)
- *Roundtable: Macroecology, global change and the state of modeling avian distributions. 10th European Ornithological Conference, Badajoz, Spain (with D Stiels & M Brambilla)
- †Workshop: Topic-Workshop of the CRC1158 “Antarctic Research” meeting 18./19.5.2015. Volpriehausen, Germany
- †Workshop: Towards the ‘next generation’ of species distribution modeling: emerging themes and methods. 7th Conference of the International Biogeography Society, Bayreuth, Germany (with A Cord, T Václavík, D Rödder & J Chipperfield)
- 2014** *Symposium: A decade of Landscape Genetics: Linking functional connectivity across trophic scales. 44th Conference of the German Ecological Society, Hildesheim, Germany (with H Edelhoff)
- 2013** *Workshop: Challenges in avian species distribution modeling: A brief guide to MaxEnt for ornithologists. 146. Conference of the German Ornithological Society, Regensburg, Germany (with D Stiels & K Schidelko)

2012 Workshop: Introduction into the analysis and visualization of environmental data with GIS, German Zoological Society, Trier, Germany (with O Elle, A Hochkirch, N Wagner)

2011 Workshop: Habitat analysis and modeling. German Ornithological Society, Giessen, Germany (with T Gottschalk & O Elle)

*Symposium: Dispersal meets Biogeography: How dispersal affects range dynamic processes. 8th European Ornithological Conference, Riga, Latvia. (with M Delgado & D Arlt)

*Symposium: Predictive modeling in ornithology – recent problems, novel solutions, and future challenges. 8th European Ornithological Conference, Riga, Latvia. (with K Schidelko, D Stiels, M Barbet-Massin & D Rödder)

Talks (since graduation, presented by myself)

* invited contributions

***Engler JO (2019)**: Panelist at the EOU Fledgelings Event. 12th European Ornithological Conference, 26.-30.8.2018, Cluj-Napoca, Romania.

***Engler JO (2018)**: Panelist at the Early Professionals Forum Roundtable discussion. 27. International Ornithological Congress, 24.8.2018, Vancouver, Canada.

***Engler JO (2018)**: Decoding Avian Range Dynamics in Changing Environments. Seminar Talk. 26.1.2018, Antwerp Univ., Belgium

***Engler JO (2017)**: Molecular Road Ecology in the Light of Ecological Traps. What could Genes tell us? TÖK I Seminar Talk, 27.09.2017, Univ. Bayreuth, Germany

Engler JO, Schleicher A, Habel JC, Albrecht K (2017): Hedges and edges along highways: critical habitat or ecological trap for hazel dormice? 10th International Dormouse Conference, 11.-15.09.2017, Liège, Belgium.

Engler JO, Quillfeldt P, Silk JRD, Phillips RA (2017): Influence of device accuracy and choice of algorithm for species distribution modelling of seabirds: A case study using black-browed albatrosses. 11th European Ornithological Conference, 18.-22.08.2017, Turku, Finland

Engler JO, Quillfeldt P, Silk JRD, Phillips RA (2017): Blurred lines: Does device accuracy in seabird tracking affect range predictions? 3rd World Seabird Twitter Conference, 12.-14.04.2017, online.

***Engler JO (2016)**: Assessing connectivity in a changing world through niche modelling and landscape genetics. Seminar Talk 10.11.2016 BiK-F Frankfurt, Germany

***Engler JO (2016)**: Ornithology in the Anthropocene: How genes and models help to understand avian range dynamics. Plenary for 1st Joint meeting of young ornithologists. 4.-6.11.2016 Universität für Bodenkultur Wien

Engler JO, Balkenhol N, Graham CH (2016): Genes to the Niche! Five reasons why genetic information can improve predictive niche models and their underlying theory. 1st Species on the Move conference, 12.02.2016, Hobart, Australia

Engler JO, Rödder D, Habel JC & Balkenhol N (2014): Assessing landscape mediated gene-flow in three sympatric Hesperid butterflies with diverging ecological traits. 44. Conference of the German Ecological Society (GfÖ), 10.9.2014, Hildesheim, Germany

Engler JO, Secondi J, Rödder D, Dawson DA & Hochkirch (2014): Exploring moving range edges in parapatric distributed passerines: From climate, genes and biotic interactions. 26. International Ornithological Congress, 16.8.2014, Tokyo, Japan.

Engler JO, Balkenhol N, Habel JC & Rödder D (2014): Combining species distribution models with population genetic data: Good for Landscape Genetics but also good for Macroecology? 8. Meeting of the SIG Macroecology of the German Ecological Society (GfÖ), 4.3.2014, Halle (Saale), Germany.

Engler JO, Secondi J, Rödder D, Dawson DA & Hochkirch (2014): Exploring moving range edges in parapatric distributed passerines: From climate, genes and biotic interactions. 2. Early Career Conference of the International Biogeography Society (IBS), 9.1.2014, Canberra, Australia.

Rödder D, Lawing AM, Flecks M, Ahmadzadeh F, Dambach J, **Engler JO**, Habel J-C, Hartmann T, Hörnes D, Ihlow F, Schidelko K, Stiels D & Polly PD (2013): Evaluating the impact of glacial cycles on Nearctic Chelonians' species richness, distribution, and phylogeographic patterns using palaeophylogeographic models (PPGMs). 7th Meeting of the SIG Macroecology of the German Ecological Society (GfÖ), 13.3.-15.3.2013, Göttingen, Germany.

Twietmeyer S & **Engler JO** (2013): Arealodynamik des Orpheusspötters in NRW: Ausbreitung, Ortstreue und populationsgenetische Charakteristika. Annual meeting 2013 of the North Rhine-Westphalian Ornithological Society (NOW), 3.3.2013, Recklinghausen, Germany.

Engler JO, Secondi J, Dawson DA, Elle O & Hochkirch A (2012): Populationsgenetische Effekte entlang sich bewegender Arealränder zweier parapatrisch verbreiteter Spötter (Genus: Hippolais): Welche Rolle spielen Langstrecken-Dispersal und „surfende“ Allele? 145th Conference of the German Ornithological Society, 3.10.-8.10.2012, Saarbrücken, Germany.

Flecks M, Lawing AM, Ahmadzadeh F, Dambach J, **Engler JO**, Habel J-C, Hartmann T, Hörnes D, Ihlow F, Schidelko K, Stiels D, Polly PD, & Rödder D (2012): Extinct during the past, yet still alive? Evaluating the impact of glacial cycles on species richness, distribution, and phylogeographic patterns on Nearctic Chelonians. 7th World Congress of Herpetology, 8.-14.8.2012, Vancouver, Canada.

Engler, JO, Ihlow F, Dambach J, Flecks M, Hartmann T, Nekum S, Rajaei H & Rödder D (2012): On the brink of extinction? How climate change may affect global chelonian species richness and distribution. 7th World Congress of Herpetology, 8.-14.8.2012, Vancouver, Canada.

Twietmeyer S & **Engler JO** (2012): Das Orpheusspötterprojekt Trier. Jahresversammlung des NABU Landesverband Rheinland-Pfalz, 10.3.2012, Worms, Germany.

Poster (since graduation, presented by myself)

Engler JO, Cabral JS, Lens L (2019): Is the 'great speciator' genus *Zosterops* also great in climatic niche evolution? 11th European Ornithologist Conference, 26.8.2019, Cluj-Napoca, Romania.

Engler JO, Cabral JS, Lens L (2018): Is the 'great speciator' genus *Zosterops* also great in climatic niche evolution? 27. International Ornithological Congress, 16.8.2018, Vancouver, Canada.

Engler JO, Rödder D, Stiels D & Förschler MI (2015): On the duality of seasonal niches in migratory birds: the case of the citril finch (*Carduelis citrinella*). 10th European Ornithologist Conference, 26.8.2015, Badajoz, Spanien.

Engler JO, Rödder D, Habel JC & Balkenhol N (2015): Linking species distribution models to landscape genetics: comparison of landscape effects on gene flow in three diverging *Thymelicus* skippers. Annual Conference of the Society for Molecular Biology and Evolution (SMBE), 14.7.2015, Vienna, Austria.

Engler JO, Rödder D, Habel JC & Balkenhol N (2014): Linking species distribution models to landscape genetics: comparison of landscape effects on gene flow in three diverging *Thymelicus* skippers. Spring School: A practical, hands-on introduction to Landscape Genetics, 15.3.2014, Göttingen, Germany.

Engler JO, Habel JC (2013): East African *Zosterops* ssp in space and time: comparative analyses reveal multiple drivers of speciation in a yet cryptic species complex. 9th Conference of the European Ornithologists' Union (EOU), 28.8.-31.8., Norwich, UK.

Engler JO, Lawing AM, Ihlow F, Polly PD & Rödder D (2013): Learning from the past to predict the future: Linking palaeophylogeographic models with future climate change risk assessments in Nearctic Chelonians. 6th international conference of the International Biogeography Society (IBS), 9.1.-13.1.2013, Miami, USA.

Engler JO, Secondi J, Dawson DA, Elle O & Hochkirch A (2012): Population genetics reveal the role of long distance dispersal and allele surfing in contact zone movement in two parapatric distributed *Hippolais* sister species. 5th North American Ornithological Conference, 14.-18.8.2012, Vancouver, Canada.

SCIENTIFIC PUBLICATIONS

Google Scholar metrics (September 2019):	1210 citations; h-index: 17
Web of Science metrics (September 2019):	851 citations; h-index: 14
Number of accepted/published ISI-ranked papers:	34
IF-Quartile Distribution:	Q1: 67.6%, Q2: 17.6%, Q3: 14.7%, Q4: 0%

IF: ISI two-year journal impact factor based on the year of publication

underlined: students I supervised

* equal contribution

Submitted/revised

42. Kidner J*, Theodorou P*, **Engler JO***, Taubert M, Husemann M*: Micro-evolutionary forces – a modern synthesis of programs and applications. *Biological Reviews*, Manuscript ID BRV-07-2019-0186
41. Vescera C, Albrecht K, Schleicher A, **Engler JO**: Spatial configuration of breeding habitat affects temporal features of Blackcap song in response to traffic noise. *Journal of Ornithology*, Manuscript ID JORN-D-19-00148

40. Uhe L, Albrecht K, Schleicher A, **Engler JO**: Adjusting trail cameras to improve monitoring of shrub nesting bird and small mammals. *Methods in Ecology and Evolution*, Manuscript ID MEE-19-03-186.

Preprints

39. **Engler JO**, Twietmeyer S, Secondi J, Elle O, Hochkirch A. (2015): Analytical limits of hybrid identification using genetic markers: an empirical and simulation study in *Hippolais* warblers. *BioRxiv* doi:10.1101/026781.
38. **Engler JO**, Cord AF, Dieker P, Wägele JW, Rödder D (2014): Accounting for the 'network' in the Natura 2000 network: A response to Hochkirch et al. 2013. *arXiv*:1408.7076.

International & peer reviewed

37. Holderegger R, Balkenhol N, Bollinger J, **Engler JO**, Gugerli F, Hochkirch A, Nowak C, Segelbacher G, Widmer A, Zachos FE (accepted): Linking conservation genetics science with practice. *Molecular Ecology*, doi:10.1111/mec.15202.
IF 5.855, Q1
36. Habel JC, Rasche L, Schneider U, **Engler JO**, Schmid E, Rödder D, Meyer S, Trapp N, Del Diego R, Eggermont H, Lens L, Stork N (2019): Final countdown for biodiversity hotspots. *Conservation Letters*, e12668.
IF 7.397, Q1
35. **Engler JO**, Sacher T, Coppack T, Bairlein F (2019): Assortative mating frames establishment in a young island bird population. *Royal Society Open Science* 6: 190050.
IF 2.504, Q1
34. Frans VF, Augé AA, Edelhoff H, Erasmi S, Balkenhol N, **Engler JO** (2018): Quantifying apart what belongs together: a multi-state species distribution modeling framework for species using distinct habitats. *Methods in Ecology & Evolution* 9: 98-108.
IF 6.360, Q1
33. **Engler JO**, Stiels D, Brambilla M, Graham CH (2017): Special Issue: State and Progress in Avian Species Distribution Models. *Journal of Avian Biology* 48: 1481-1483.
IF 2.192, Q1
32. ***Engler JO**, *Stiels D, Schidelko K, Strubbe D, Quillfeldt P, Brambilla M (2017): Avian SDMs: current state, challenges, and opportunities. *Journal of Avian Biology* 48: 1483-1504.
IF 2.192, Q1
31. *Quillfeldt P, ***Engler JO**, Silk JRD, Phillips RA (2017): Influence of device accuracy and choice of algorithm for species distribution modelling of seabirds: A case study using black-browed albatrosses. *Journal of Avian Biology* 48: 1549-1555.
IF 2.192, Q1
30. Dambach J, Raupach MJ, Leese F, Schwarzer J, **Engler JO** (2016): Ocean currents determine functional connectivity in a deep-sea shrimp. *Marine Ecology* 37: 1336-1344.
IF 1.138, Q3

29. Rödder D, Nekum S, Cord AF, **Engler JO** (2016): Coupling satellite data with species distribution and connectivity models as a tool for environmental management and planning in matrix-sensitive species. *Environmental Management* 58: 130-143.
IF 1.857, Q2
28. **Engler JO**, Secondi J, Dawson DA, Elle O & Hochkirch A (2016): Assessing the genetic consequences of moving range edges in a pair of parapatric distributed *Hippolais* warblers. *Ecography* 39: 884-893.
IF 4.774, Q1
27. Teixeira RL, Ferreira RB, Silva-Soares T, Mageski MM, Pertel W, Rödder D, Hoffman de Barros E & **Engler JO** (2015): Anuran community of a cocoa agroecosystem in southeastern Brazil. *Salamandra* 51: 259-262.
IF 1.100, Q2
26. Stiels D, Gaißler B, Schidelko K, **Engler JO**, Rödder D (2015): The importance of niche-overlap analysis for species distribution models of non-native species – an example with four Estrildid finch species (Passeriformes: Estrildidae). *Ibis* 157: 75-90.
IF 1.921, Q1
25. **Engler JO**, Husemann M (2014): Data constraints, bias and the (mis-)use of scientometrics for predicting academic success: A comment on van Dijk et al. *Proceedings of Peerage of Science* e8.
No IF
24. **Engler JO**, Filz K, Balkenhol N, Habel JC & Rödder D (2014): Comparative Landscape Genetics of Three Closely Related Sympatric Hesperid Butterflies with Diverging Ecological Traits. *PLoS one* 9: e106526.
IF 3.234, Q1
23. **Engler JO**, Sacher T, Elle O, Coppack T & Bairlein F (2014): No evidence of sex-biased dispersal in an island population of Common Blackbirds *Turdus merula*. *Ibis* 156: 885-891.
IF 1.921, Q1
22. Fourcade Y, **Engler JO**, Rödder D, Secondi J, (2014): Mapping species distributions with MAXENT using a geographically biased sample of presence data: A performance assessment of methods for correcting sampling bias. *PLoS one* 9: e97122.
IF 3.234, Q1
21. **Engler JO**, Rödder D, Stiels D & Förschler MI (2014): Suitable, reachable but not colonized: Current breeding range limitations in an endemic European mountainous songbird. *Journal of Ornithology* 155: 657-669.
IF 1.711, Q1
20. Jacob SS, Rödder D, **Engler JO**, Shaaf S, Özkan H, Blattner F & Kilian B (2014): Evolutionary history of Wild Barley (*Hordeum vulgare* subsp. *spontaneum*) analyzed using multilocus sequence data and paleodistribution modeling. *Genome Biology and Evolution* 6: 685-702.
IF 4.229, Q1
19. **Engler JO**, Secondi J, Dawson DA, Roderus D, Elle O & Hochkirch A (2014): Cross-species utility of 22 microsatellite markers in the Melodious Warbler (*Hippolais polyglotta*). *Avian Biology Research* 7: 91-98.
IF 0.928, Q2

18. **Engler JO** (2014): First record of a wintering Swainson's Warbler *Limnothlypis swainsonii* (Audubon, 1834) for Florida and the United States. *Florida Field Naturalist* 42: 29-32.
No IF
17. **Engler JO**, Rödder D, Elle O, Hochkirch A & Secondi J (2013): Species distribution models contribute to determine the effect of climate and interspecific interactions in moving hybrid zones. *Journal of Evolutionary Biology* 26: 2487-2496.
IF 3.483, Q2
16. Fourcade Y, **Engler JO**, Rödder D, Secondi J (2013): Confronting expert-based and modelled distributions for species with uncertain conservation status. A case study from the corncrake (*Crex crex*). *Biological Conservation* 167: 161-171.
IF 4.036, Q1
15. Rödder D, Lawing AM, Flecks M, Ahmadzadeh F, Dambach J, **Engler JO**, Habel J-C, Hartmann T, Hörnes D, Ihlow F, Schidelko K, Stiels D & Polly PD. (2013): Evaluating the Significance of Paleophylogeographic Species Distribution Models in Reconstructing Quaternary Range-shifts of Nearctic Chelonians. *PLoS one* 8: e72855.
IF 3.534, Q1
14. Ahmadzadeh F, Flecks M, Rödder D, Böhme W, Ilgaz C, Harris DJ, **Engler JO**, Üzüüm N, Carretero MA, (2013): Multiple dispersal out of Anatolia: biogeography and evolution of oriental green lizards. *Biological Journal of the Linnean Society* 110: 398-408.
IF 2.535, Q3
13. Ahmadzadeh F, Flecks M, Carretero MA, Böhme W, Ilgaz C, **Engler JO**, Harris DJ, Üzüüm N, Rödder D, (2013): Rapid lizard radiation lacking niche conservatism: ecological diversification within a complex landscape. *Journal of Biogeography* 40:1807-1818.
IF 4.969, Q1
12. Werner P, Lötters S, Schmidt BR, **Engler JO** & Rödder D (2013): The role of climate for the range limits of parapatric European land salamanders. *Ecography* 36: 1127-1137.
IF 4.207, Q1
11. Filz KJ, **Engler JO**, Weitzel M, Schmitt T. (2013): Missing the target? butterfly conservation efforts on calcareous grasslands in south-western Germany. *Biodiversity Conservation* 22: 2223-2241.
IF 2.192, Q1
10. Filz KJ, Schmitt T, **Engler JO** (2013): How fine is fine scale? Questioning the use of fine-scale bioclimatic data in species distribution models used for forecasting abundance patterns in butterflies. *European Journal of Entomology* 110: 311-317.
IF 1.076, Q3
9. **Engler JO** & Rödder D (2012): Disentangling inter- and extrapolation uncertainties in species distribution models: A novel visualization technique for spatial variations of predictor correlations. *Biodiversity Informatics* 8: 30-40.
No IF
8. Habel JC, **Engler JO**, Rödder D & Schmitt T (2012): Contrasting genetic and morphologic responses on recent population decline in two burnet moths (Lepidoptera, Zygaenidae). *Conservation Genetics* 13: 1293-1304.

IF 2.103, Q2

7. Habel JC, **Engler JO**, Rödder D & Schmitt T (2012): Landscape genetics of a recent population extirpation in a burnet moth species. *Conservation Genetics* 13: 247-255.
IF 2.103, Q2
6. Ihlow F, Dambach J, **Engler JO**, Flecks M, Hartmann T, Nekum S, Rajaei H & Rödder D (2012): On the brink to extinction: How climate change threatens global turtle diversity. *Global Change Biology* 18: 1520-1530.
IF 6.910, Q1
5. Rödder D & **Engler JO** (2011): Quantitative metrics of overlap in Grinnellian niches: advances and possible drawbacks. *Global Ecology and Biogeography* 20: 915-927.
IF 5.145, Q1
4. **Engler J**, Abt K & Buhk C (2011): Seed characteristics and germination limitations in the highly invasive *Fallopia japonica* s.l. (Polygonaceae). *Ecological Research* 26: 555-562.
IF 1.565, Q3
3. Stiels D, Schidelko K, **Engler JO**, van den Elzen R & Rödder D (2011): Predicting the potential distribution of the invasive common waxbill *Estrilda astrild* (Passeriformes: Estrildidae). *Journal of Ornithology* 152: 769-780.
IF 1.636, Q1
2. Rödder D, **Engler JO**, Bonke R, Weinsheimer F & Pertel W (2010): Fading of the last giants: an assessment of habitat availability of the Sunda Gharial *Tomistoma schlegelii* and coverage with protected areas. *Aquatic Conservation: Marine and Freshwater Ecosystems* 20: 678-684.
IF 1.968, Q1
1. Abt K & **Engler J** (2009): Rapid increase of the grey seal (*Halichoerus grypus*) breeding stock at Helgoland. *Helgoland Marine Research* 63: 177-180.
IF 1.671, Q3

Book Chapters

1. Zurell D, **Engler JO** (2019): Ecological niche modelling. In: Dunn PO, Moller AP (eds) *Effects of climate change on birds*. Oxford University Press.

Manuscripts to be submitted within the next three months

*Lawrie Y, ***Engler JO**, Day J, Lens L: Substitution rate variation affects phylogenetic inference in a fast avian radiation: White-Eyes (Aves: *Zosterops*).

Target Journal: *BMC Evolutionary Biology*

Engler JO, Lawrie Y, Cabral JS, Lens LL: Climatic niche evolution in the 'great speciator' (Aves: *Zosterops*).

Target Journal: *Ecography*

Engler JO, Lawrie Y, Gansemans Y, Van Nieuwerburgh F, Suh A, Lens L: Decoding the genomic fundament of the great speciator: Comparative genomics of two White-eye species (Aves: *Zosterops*) from opposing ends of the radiation.

Target Journal: *G3: Genes/Genomes/Genetics*

***Engler JO, *Cocchiararo B, Leyhausen J, Jocher P, Schleicher A, Albrecht K:** Living at the verge: conservation genetics of highway edge populations of the Hazel Dormouse (*Muscardinu avellanarius*) in South Germany.

Target Journal: *Conservation Genetics*

Other Publications

Engler JO & Kraus RHS (2017): Digitales Gezwitscher in der Ornithologie: Eine Einführung in den Kurznachrichtendienst Twitter. *Vogelwarte* 55: 75-80.

Engler JO, Böhm N, Twietmeyer S & Elle O (2016): Die Arealexpanion des Orpheusspötters *Hippolais polyglotta*: ein Modell für Biogeographie und Populationsgenetik. *Ornithologischer Beobachter* 113: 121-132.

Engler JO & Stiels D (2016): Arealdynamik von Vögeln im Globalen Wandel. *Vogelwarte* 54: 27-44.

Elle O, **Engler J**, Lemke H, **Böhm N**, Mertes T, Bötzel M, Korschefsky T, Thien N & Twietmeyer S (2014): Sieben Jahre Integriertes Singvogel Monitoring (IMS) im Untersuchungsgebiet "Trier-Brettenbachtal"- Auswertung der Fangzahlen von 2007 bis 2013 und Beitrag der Trierer Untersuchungen zum IMS in Deutschland. *Dendrocopos* 41: 13-28.

Engler JO & Bußler S (2013): Vogel des Monats – August: Der Halsbandschnäpper von Burg Herrnstein. *Charadrius* 49:173-175.

Engler JO, Roderus D, Elle O, Secondi J & Hochkirch A (2013): Temporal comparison of the genetic structure in newly founded populations along the expansive range edge of the Melodious Warbler (*Hippolais polyglotta*). *Vogelwarte* 51: 179-184. (German with English summary)

Elle O, **Engler J**, Lemke H, **Böhm N** & Twietmeyer S (2011): Biogeographische Grundlagenforschung: Das Orpheusspötterprojekt Trier. *Der Falke* 58:454-456.

Engler J & Heyne K-H (2011): Seltener Gruß aus dem Osten! Erstnachweis eines Steppenkiebitzes (*Vanellus gregarius*) für die Region Trier. *Dendrocopos* 38: 85-90.

Twietmeyer S, Lemke H, **Engler J**, **Böhm N** & Elle O (2011): Vogelberingung und Ringfunde in der Region Trier. Bericht über die Aktivitäten der Beringergemeinschaft Trier in den Jahren 2007-2010, sowie Ringfunde aus den Jahren 2002 bis einschließlich Februar 2011. *Dendrocopos* 38: 111-126.

Twietmeyer S, Lemke H, **Engler J**, Roderus D & Elle O (2009): Aufgepasst! Farbberingte Orpheusspötter (*Hippolais polyglotta*) an Mosel und Saar. *Dendrocopos* 36: 21-26.

Engler J (2009): Neuer Nachweis einer Population der Geburtshelferkröte (*Alytes obstreticans*) im Kreis Trier-Saarburg. *Dendrocopos* 36: 49-52.

Engler J & Twietmeyer S (2009): Nachweis einer Buchenkeulhornblattwespe (*Cimbex fagi*) im Hunsrück. *Dendrocopos* 36: 87-94.

Coppack T, Sacher T, **Engler J** & Elle O (2008): Zur Dispersion erstjähriger Amseln *Turdus merula* auf Helgoland. *Jber. Institut für Vogelforschung* 8.

Sacher T, **Engler J**, Gorschewski A, Gottschling M, Hesler N, Bairlein F & Coppack T (2006): Die Helgoländer Amselpopulation: ein Modell für Populationsgenetik und Zugbiologie. *Ornithol. Jber. Helgoland* 16: 76-84.

Engler J (2005): Bericht über die Wurfseason der Kegelrobbe auf der Helgoländer Düne im Winter 2004/2005. *Seevögel* 26: 14-15.