

# Walter Jetz

Work Address: Department of Ecology and  
Evolutionary Biology  
Yale University  
165 Prospect Street  
New Haven, CT 06511, USA  
Telephone: +1 (203) 432-7540  
Fax: +1 (203) 432-5176  
Email: [walter.jetz@yale.edu](mailto:walter.jetz@yale.edu)  
URL: <http://jetzlab.yale.edu/>  
GoogleScholar: <http://goo.gl/XXQd89>

## Professional Appointments

Director, Yale Center for Biodiversity and Global Change	2016 -
Visiting Professor, Dept. Environmental Science, Policy, and Management, Berkeley	Jan - Jun 2016
Visiting Professor, Dept. Global Ecology, Carnegie Institution for Science, Stanford	Jan - Jun 2016
Visiting Professor, German Centre for Integrative Biodiversity Research (iDiv), Leipzig	Aug - Dec 2015
Visiting Professor, Max Planck Institute for Ornithology, Radolfzell	Jun 2015 - Aug 2016
Senior Scientist in Ecosystems and the Environment, Imperial College London (P/I)	2012 -
Adjunct Associate Professor, School for Forestry and the Environment, Yale Univ.	2012 -
Director, Yale Program in Spatial Biodiversity Science and Conservation	2011 - 2016
CSIRO Ecosystem Science, Visiting Senior Scientist	2010-2011
Associate Professor tenured, Dept Ecology and Evolutionary Biology, Yale University	2011 -
Associate Professor on term, Dept Ecology and Evolutionary Biology, Yale University	2009 - 2011
Fellow of Saybrook College, Yale University	2010 -
Adjunct Associate Professor, Division of Biological Sciences, UC San Diego	2009 - 2011
Associate Professor, Division of Biological Sciences, UC San Diego	2008-2009
Assistant Professor, Division of Biological Sciences, UC San Diego	2004-2008
Postdoctoral Fellow, Dept Ecology and Evolutionary Biology, Princeton University	2003-2004
Postdoctoral Fellow in Biocomplexity, Dept Biology, University of New Mexico	2002-2003
Research Associate, Zoology Department, University of Oxford, UK	2002-2004

## Education

DPhil. Zoology. University of Oxford, UK. Title: <i>Biodiversity of African birds</i> . Advisor: Prof. P.H. Harvey FRS.	1997-2002
M.Sc. Integrative Bioscience. University of Oxford, UK. <i>Distinction</i> .	1996-1997
Pre-diploma Biology. University of Würzburg, Germany	1993-1996

## Academic Honors and Fellowships

Sabbatical Fellowship, German Centre for Integrative Biodiversity Research (iDiv),	2015
Humboldt Foundation (Germany), Research Fellowship for Experienced Researchers	2010-11
CSIRO (Australia), Distinguished Visitor Fellowship	2010-11
DFG (German Research Foundation) Emmy Noether Academic Excellence Award	2003
DAAD (German Academic Exchange Service) Postdoctoral Fellowship	2002-2003
BASF Foundation, Ph.D. Research Fellowship	2000
Royal Geographical Society, Oxford University endorsed Expedition Leader	1999

German National Academic Foundation, Ph.D. Fellowship	1998-2000
DAAD (German Academic Exchange Service), Ph.D. Fellowship	1997-1998
NERC (Natural Environment Research Council, UK), Ph.D. Studentship	1997-2001
German National Academic Foundation (“Studienstiftung”) Undergraduate Scholarship	1996
BBSRC (Research Council, UK) M.Sc. Studentship	1995-1997

## **Funding**

### **Outside grants, past & current**

	<b>Period</b>	<b>Total</b>	<b>WJ portion</b>
MacArthur Foundation: Biodiversity dashboards for land managers in the Andes Amazon region (Jetz Collaborative PI)	2017-19	\$300,000	\$200,000
Belmont Forum: Global Scenarios for Biodiversity Modelling (set up as two awards through NSF, a supplement to VertLife grant and a DEB conference grant; Jetz PI)	2015-17	\$260,000	\$260,000
NASA one year Augmentation for ‘Integrating Global Species Distributions, Remote Sensing Information and Climate Station Data to Assess Recent Biodiversity Response to Climate Change’ (Jetz Lead PI)	2015-16	\$300,000	\$118,500
NSF Genealogy of Life: ButterflyNet (PI David Lohmann, joint with Jetz Lab postdoc Marta Jarzyna as Co-P)	2015-19	\$2,500,000	\$330,000
DIVERSITAS – Global Mountain Biodiversity Assessment (U Basel, Swiss National Science Foundation) partnership grant: web-based Integration of Global Biodiversity Distribution Knowledge	2015-18	\$206,000	\$206,000
JRS Biodiversity Foundation: An Online Atlas for Kenya’s Biodiversity (Jetz Co-PI)	2015-17	\$325,000	\$80,100
GEO BON workshop grant ‘Finalizing, visualizing and communicating global remote-sensing supported species EBVs and change indicators’ (Jetz Lead-PI)	2014-16	\$22,000	\$22,000
NSF ‘GoLife: VertLife Terrestrial: A complete, global assembly of phylogenetic, trait, spatial and environment characteristics for a model clade’ (Jetz Lead-PI)	2014-18	\$2,500,000	\$983,000
Future Earth: Cluster on Global Biodiversity Monitoring, Prediction and Reporting (Jetz Lead-PI)	2014-16	\$100,000	\$100,000
Yale Climate and Energy Institute: Conference Grant	2014-15	\$10,000	\$10,000
Google.org Foundation University Research Award (Jetz Lead-PI)	2013-14	\$120,000	\$95,000
NSF COLLABORATIVE RESEARCH: ABI Development: Advancing Map of Life's Impact and Capacity for Sharing, Integrating, and Using Global Spatial Biodiversity Knowledge	2013-17	\$1,574,668	\$997,626
NASA Earth and Space Science Fellowship (NNX13AP11H): Using multi-platform remote sensing data to predict vertebrate species distributions across spatial scales (for Katherine Mertes)	2013-16	3x \$30,000	\$90,000
NSF Doctoral Dissertation Research (BCS-1333424): Measuring and Predicting Species Distribution Patterns Across Spatial Scales (for Katherine	2013-15	\$12,107	\$12,107

Mertes)				
DIVERSITAS – Global Mountain Biodiversity Assessment (U Basel, Swiss National Science Foundation) partnership grant to Map of Life	2012-13	\$54,167	\$54,167	
Google.org Foundation University Research Award (Jetz Lead-PI)	2012-13	\$75,000	\$45,000	
Encyclopedia of Life grant	2013-14	\$250,000	\$126,000	
Yale – Climate and Energy Institute Seed Grant	2012-13	\$75,000	\$40,000	
NASA Biological Response to Climate Change: Integrating global species distributions, remote sensing information and climate station data to assess recent biodiversity response to climate change (Jetz Lead-PI, 4 Co-Is)	2011-15	\$1,636,000	\$667,000	
Senckenberg Society (Frankfurt) – Yale Map of Life project partnership (PI)	2011-14		\$453,000	
National Science Foundation (NSF Division of Environmental Biology 1026764): Validating and Advancing Continent-Wide Projections of Species' Geographic Distributions in the Face of Global Change (sole PI)	2010-13		\$450,000	
National Science Foundation (NSF Advances in Biological Informatics 0960550) Map of Life: An infrastructure for integrating global species distribution knowledge (Jetz Lead-PI, Second PI: Rob Guralnick)	2010-13	\$980,000	\$531,000	
African Conservation Center International Program – East African Vertebrates (sole PI)	2010-11		\$60,000	
NCEAS Working Group Grant: “What aspects of the environment do organisms care about?” (with B. McGill, R. Guralnick, J. McPherson). Incl. graduate student funding	2010-11	\$121,400	\$45,000	
Biodiversity Synthesis Center / Encyclopedia of Life Working Group Grant: Integrating and refining the global knowledgebase of species distributions – data, tools, applications. (Lead-PI, 1 Co-PI)	2009-10	\$50,000	\$20,000	
National Science Foundation (NSF GRS/DEB - 0648733) Supplement	2010		\$29,000	
National Science Foundation (NSF GRS/DEB - 0648733) Joint 2-year award by Geographic and Regional Science and Ecological Biology Panels: Projecting the Effects of Environmental Change on the Geographic Ranges of Bird, Mammals, and Amphibians: A First Global Analysis (sole PI).	2007-10		\$150,000	
Claiborne Art Ortenberg Foundation, African Conservation Center International Program – Climate change and Vertebrate Diversity in East Africa (W. Jetz, Co-PI)	2007-10		\$ 60,000	
UC Mexus Grant – Global diversity of bird and mammals under environmental change (PIs: W. Jetz 80%, G.C. Ceballos, 20%).	2007-08	\$30,800	\$24,640	
UCSD Academic Senate Grant (W. Jetz, sole PI). 2007 - 2008.	2007-08		\$10,000	
German Research Foundation, E. Noether Academic Excellence Award, Phase I	2003-04		\$60,000	
Misc: British Ecological Society Small Project Grant. <i>Ecology of African nightjars</i> . Royal Geographical Society, Expedition Grant. <i>Aerial abundance of tropical insects</i> . Oxford University Expedition Grant. <i>Aerial abundance of tropical insects</i> . German Ornithological Society Award. <i>Ecology of African nightjars</i> . German Ornithological Society Grant. <i>Bird communities in the Congo Basin</i>	1996 - 2000		\$22,000	
<b>Total</b>			<b>\$6,351,140</b>	

## Successfully sponsored fellowships to work in our group:

Canada NSERC Postdoctoral Fellowship (2015-17, Ryan Powers): ca. \$80,000  
DFG Postdoctoral Fellowship (2015-17, Sami Domisch): ca. \$120,000  
Yale YCEI Postdoctoral Fellowship (2014-16, Marta Jarzyna): ca. \$40,000 - \$100,000  
NSF Graduate Research Fellowship (2015-18, Ignacio Quintero): ca. \$105,000  
Yale YCEI Postdoctoral Fellowship (2012-14, Adam Wilson): ca. \$120,000  
EU Marie Curie Postdoctoral Fellowship (2012-14, Morgane Barbet-Massin): ca. \$170,000  
EU Marie Curie Postdoctoral Fellowship (2012-14, Petr Keil): ca. \$170,000  
Bass Distinguished Visiting Environmental Scholar Fellowship (2012, Arne Mooers): \$?  
Taiwan National Science Council Fellowship (2011 -12, Chia-Ying Ko): \$40,000  
Yale YIBS Donnelley Fellowship (2010 – 2012, Dan Rosauer): 2 years, ca. \$100,000  
Yale Sessel Fellowship (2009-10, Natalie Cooper): 1 year, ca. \$40,000  
Yale Brown Fellowship (2010-11, Frank La Sorte): 1 year, ca. \$40,000  
Rothschild Postdoctoral Fellowship (2008, Jonathan Belmaker): 1 year, ca. \$40,000  
NSF Bioinformatics Postdoctoral Fellowship (2009-11, Alison Boyer): \$130,000  
Humboldt Postdoctoral Fellowship (2008-10, Holger Kreft): \$100,000

## Educational Contributions

### Yale University

2015, SS: Data Analysis in Biodiversity and Conservation Science (graduate, ~25 participants)  
2014, FS: Introduction to Statistics - Life Sciences (undergraduate, ~35 participants)  
2014, SS: Geographical and environmental gradients in biodiversity (graduate, with Donoghue, ~12 participants)  
2013, FS: Perspectives in Science – Section Co-Leader and Discussant (undergraduate, ~25 participants)  
2013, FS: Methods in spatial and environmental biodiversity data analysis (graduate, ~25 participants)  
2013, FS: Introduction to Statistics - Life Sciences (undergraduate, ~ 30 participants)  
2012, SS: The geographic range of species (graduate seminar, 8 participants)  
2012: Introduction to Statistics - Life Sciences (undergraduate course, ~ 40 participants)  
2011, 2012: Guest lectures for “Ecosystem and Landscapes” (F&ES 530a, Raymond/Schmitz)  
2011-13: Independent study, senior thesis (1-2 participants)  
2011, FS: Conservation Biology (Undergraduate, non-major course. ~ 50 participants)  
2010: Geography and Scale in Ecology and Evolution (graduate seminar, 14 participants)  
2010, 2012, 2013: Guest lectures for “Observing the Earth from Space” (G&G362/562, Smith)  
2009, FS: Conservation Biology (Undergraduate, non-major course. ~ 50 participants)  
2009, 2010: Directed Reading (1 graduate student), Directed Research (1 graduate student)

### UC San Diego

2006, 2007, 2007: Biometry – Statistics for the Life Sciences (Upper Division, 100-120 students)  
2008, 2009: Spatial analyses in ecology and conservation (Upper Division & Graduates, incl. Lab, 15 students)

### University of Oxford

1999-2002: Teaching Assistant: Quantitative Methods in Biology (with Alan Grafen)  
1998-2002: University of Oxford, Tutorial Teaching: Conservation, Patterns of Biodiversity, Global Conservation Strategies, Avian Ecology, Decision-making, Communication, Quantitative Methods

## University of Würzburg

1996: Instructor: 5-day field class on animal identification and natural history (sole instructor)

## University Service

### Yale University

Since 2016: Inaugural Director of the Yale Center for Biodiversity and Global Change.

2014-15: Chair, Yale Teaching, Learning and Advising Committee. The committee advises the Yale Dean on undergraduate pedagogy and selects teaching prize winners.

July 2012-2016: Founding Director, Yale Program in Spatial Biodiversity Science and Conservation. Brings together Yale biodiversity modeling community. Hosted >30 workshops and speakers, 25-100 participants/event

2014-15: Director of Postdoctoral Studies, Ecology and Evolutionary Biology, Yale University

2015: Yale Development Council speaker

Fall 2014: Member, Search Committee for Professorship in “Functional Biology”

2011, 2015: Faculty Lecturer on Yale Educational Travel of the Association of Yale Alumni. Peru (Amazon River Cruise), South Africa (Cape, Kruger).

Feb 2013: Co-organization of “Google at Yale: A Meeting of the Minds on Geotechnology (>80 participants)

2011-12, 2012-13, 2013-14: Member, Yale Teaching, Learning and Advising Committee

2013: Chair, Yale Keasbey Scholarship Selection Committee

2011, 2012, 2014, 2016: Member, Yale Marshall, Mitchell, and Rhodes Fellowship Selection Committee

2011-2012: EEB Department Graduate Student Selection Committee

Class of 2014: EEB Department Undergraduate Advisor

2011: Yale Educational Travel, Association of Yale Alumni - Leader for 10 day trip to the Amazon

Since 2012: Member, YIBS Faculty Council

Since 2010: Member, YIBS Center for Earth Observations Steering Committee

Other Workshops and Presentations: Presentation at “Yale Day of Data”

### UC San Diego

Environmental Sustainability Initiative Advisory Committee, 2006-2008

Ecology Faculty Position Search Committee, 2004-2005; 2007-2008

Division of Biological Sciences, Dean Search, Junior Faculty Selection Committee, 2007

Graduate Admissions, Division of Biological Sciences, 2004

Graduate Recruitment Committee, Division of Biological Sciences, 2004-2008

Ad hoc Senior Faculty Career Review Committee, Scripps Institution of Oceanography, 2007

## Service to journals

### Referee Activity, Academic Service

American Naturalist, Animal Conservation, Conservation Letters, Current Biology, Diversity and Distributions, Ecography, Ecological Monographs, Ecology, Ecology Letters, Ecosystem Science, Environmental Change, Evolution, Global Change Biology, Global Ecology and Biogeography, Ibis, J. Animal Ecology, J. Appl. Ecology, J. Biogeography, J. Mammalogy, Nature, Oecologia, Philosophical

Transactions of the Royal Society B: Biological Sciences, PLoS One, PLoS Biology, PNAS, Proceedings of the Royal Society London B, Science, Trends Ecology & Evolution. Others.

### **Editorial Activity**

Associate Editor, J. Biogeography, 2005-; ca. 10-15 manuscripts handled annually.  
Editorial Board, Molecular Phylogenetics and Evolution, 2015-

### **Service to initiatives, community**

GEO Biodiversity Observation Network (GEO BON) Implementation Committee, Member (2014-)  
Future Earth Cluster on 'Biodiversity Monitoring, Prediction and Reporting', Lead PI (2014- )  
NASA 2015 Carbon Cycle & Ecosystems Joint Science Meeting. Planning Committee  
Member. Representing biodiversity research at quadrennial gathering of NASA PIs concerned with Earth monitoring. [http://cce.nasa.gov/meeting\\_2015/index.html](http://cce.nasa.gov/meeting_2015/index.html) (2013-15)  
IPBES Global Assessment, Lead Author (2016-)  
IPBES Task Force on Data and Knowledge. Member (2013-); Co-Manager (2015-)  
Member, Steering Committee DIVERSITAS Global Mountain Biodiversity Assessment (GMBA) (2013-)  
Member, Steering Committee of NSF-funded VertNet initiative (2010-)  
Panel member NASA: NASA Remote Sensing and Biodiversity Science (2008).  
Panel member NSF: NSF Advances in Biological Informatics (2011). NSF Big Data (2015).  
European Science Foundation grant COST Action ES1101: Harmonizing Global Biodiversity Modelling (HarmBio), US Foreign Member (2011-15)  
NSF Workshop on Integrative Biogeography, May 2007; NSF iPlant Conference – Global Diversity Working Group. May 2010.  
Proposal review: Natural Environment Research Council (NERC), UK; United States-Israel Binational Science Foundation; National Science Foundation (NSF); Natural Sciences and Engineering Research Council of Canada (NSERC); NASA; Swiss National Science Foundation.

### **Symposia/Workshops**

#### **Organization**

Future Earth Symposium on “Global Biodiversity Assessment and Monitoring – Science, Data and Infrastructure Needs for IPBES and Beyond”, ca. 60 invited participants, Monte Verita, March 2016.  
Workshop on “Essential Biodiversity Variables for Species Distributions”, GEO BON, 18 Participants, Jetz & Ferrier Co-Leads , Leipzig, June 2015.  
Symposium on “Global Biodiversity Monitoring, Prediction and Reporting”, ca. 60 invited participants and 50 members from the public. New Haven, May 2015.  
“Toward Global Standards for Biodiversity Surveys and Checklists”. Biodiversity Synthesis Center and Yale Spatial Biodiversity Science Program Workshop. Jetz & Guralnick Co-Leads. 20 participants, New Haven, June 2013  
“Biodiversity Informatics” workshop at International Biogeography Society Meeting, Miami, Jan 2013. Co-lead with Rob Guralnick. Ca 70 participants.  
National Center for Ecological Analysis and Synthesis (NCEAS): Environment and organisms working group. Oct 2010. McGill, Jetz, Guralnick, McPherson organizers.  
Biodiversity Synthesis Center – Encyclopedia of Life, CU Boulder. Jun 2010. Workshop on: Biodiversity informatics for a Map of Life. R. Guralnick & W. Jetz organizers.

National Center for Ecological Analysis and Synthesis (NCEAS): Environment and organisms working group. Mar 2010. McGill, Jetz, Guralnick, McPherson organizers.

Biodiversity Synthesis Center – Encyclopedia of Life, Chicago. May 2009. Workshop on: Global Species Distributions – Integrating the Knowledge-Base. W. Jetz & R. Guralnick, organizers.

Ecological Society of America (ESA) 2008 Meeting, Organized Oral Session: “Grinnellian niches or just statistical correlates? Opportunities for ecological inference from species distribution models.” W. Jetz & Brian J. McGill, organizers.

International Biogeography Society, Biennial Meeting, Tenerife Spain. January 2007. “Separating historical from environmental effects on species distributions.” W. Jetz & C. Rahbek, organizers.

European Science Foundation Conference “Optimality in Bird Migration”, Wilhelmshaven, Germany. February 2005. C. Rahbek & W. Jetz, organizers.

National Center of Ecological Analysis and Synthesis. July 2001. “Synthesis of the knowledge base: towards a global database of terrestrial vertebrate distributions”. Walter Jetz & Thomas Brooks, organizers.

### **Participation** (Conferences with talks are listed in the Talks section)

IPBES Task Force on Data and Knowledge. June 2016.

Remote Sensing for Essential Biodiversity Variables, GEO BON workshop, Frascati, May 2015

IPBES Plenary 3. ICSU Delegate, Bonn, January 2015.

National Center of Ecological Analysis and Synthesis Working Group: “Prospects and Priorities for Satellite Monitoring of Global Terrestrial Biodiversity”, December 2014.

IPBES Task Force on Data and Knowledge. First Meeting, Seoul, June 2014.

Invited Speaker, Workshop ‘IPBES meets Macroecology’ German Ecological Society, Halle, March 2014.

Invited Delegate, Future Earth projects meeting, NAS, Washington DC, January 2014.

Invited Participant, EU COST HARMBIO meeting, Dublin, May 2013.

Invited Participant, GEO BON meeting, Monterey, December 2012.

Invited Participant, DIVERSITAS meeting on “Essential Biodiversity Variables”, Frascati, March 2012

NSF iPlant 2010 Conference – Global Diversity Working Group, Las Vegas. May 2010. D. Ackerly organizer.

Census of Marine Life, Biodiversity Synthesis Group meeting. Halifax, Canada. Sep 2009. B. Worm organizer

Global Biodiversity Information Facility (GBIF) workshop: Informatics Tools for Large-Scale Spatial Analyses and Mapping. Copenhagen, Denmark. Sep 2009. Remote participation.

Census of Marine Life Synthesis Workshop. February 2009. Queen Mary, Long Beach, CA.

National Center for Ecological Analysis and Synthesis (NCEAS): Synthetic macroecological models of species diversity. Oct 2008, Santa Barbara. Nicholas Gotelli, Carsten Rahbek, Robert K. Colwell, organizers.

National Evolutionary Synthesis Center (NESCent) Workshop: VertNET: Vertebrate Distributed Database Network. May 2008, Durham. James Hanken & Craig Moritz, organizers.

Gordon Research Conference: Metabolic Basis of Ecology. Invited Discussion Leader. July 2008, Biddeford. Robert Sterner & Michael Kaspari, organizers.

Reconciling biogeography, phylogeny and community ecology. Center for Population Biology workshop, Imperial College Silwood Park. February 2008, Silwood UK. Richard Grenyer & Gavin Thomas, organizers.

National Science Foundation (NSF): Really big biogeographically-based integrative historical and ecological science: grand collaborative studies of whole biotas. May 2007, Las Vegas. Brett Riddle, Cliff Cunningham, Michael Donoghue, Anne Yoder, organizers.

National Center for Ecological Analysis and Synthesis (NCEAS): Synthetic macroecological models of species diversity. Oct 2006, Santa Barbara. Nicholas Gotelli, Carsten Rahbek, Robert K. Colwell, organizers.

## **Mentorship**

### **Supervision**

Postdoctoral, current: Marta Jarzyna (YCIE fellow, 2014 - ). Ryan Powers (NSERC Postdoctoral Fellow, 2015-); Giuseppe Amatulli (SBSC Teaching and Research Fellow, 2013 - ); Carsten Meyer (NSF grants, 2016 - ); Chris Trisos (part-time postdoctoral fellow, split with SESYNC, 2015-), Nate Upham (NSF grant, 2015- ); Cory Merow (Research Scientist with BGC Center, 2016-).

Postdoctoral, past: Holger Kreft (2007- 2009, now Associate Professor U Göttingen); Lauren Buckley (2006 - 2008, now Associate Professor at U Washington, Seattle); Daniel Kissling (2007 – 2009, now Associate Professor at U Amsterdam); James Watson (2007-2008, now Associate Professor at U Queensland, Australia); Natalie Cooper (Sessel Scholar, 2009 – 2010, now Research Staff at Natural History Museum, London); Alison Boyer (NSF Bioinformatics Fellow, 2008 – 2011; now research faculty at Oak Ridge National Laboratory); Frank LaSorte (2007 – 2011, now research scientist, tenured, at Cornell Lab of Ornithology); Jonathan Belmaker (Rothschild Fellow 2008 – 2012; now Assistant Professor at U Tel Aviv); Dan Rosauer (Donnelley Fellow, 2010 – 2012; now Research Fellow at ANU); Chia-Ying Ko (Delta Electronics Fellow, Taiwan National Science Council Fellow, 2010 – 13; now research faculty at National Taiwan University); Morgane Barbet-Massin (EU Marie Curie Fellow, 2011 – 2014, now postdoc at U Paris); Petr Keil (EU Marie Curie Fellow, 2011 – 2014, now Research Fellow at iDiv, Leipzig); Adam Wilson, (YCEI Fellow, 2012 – 2015; now Assistant Professor at U Buffalo); Sami Domisch (2013 – 2016, now research fellow at Leibniz Institute of Freshwater Ecology and Inland Fisheries, Berlin); Mao-Ning Tuanmu (2012 – 2015; now faculty position at Biodiversity Research Center, Academia Sinica, Taiwan).

Ph.D., current: Katherine Mertes (Yale. 2010 – ; Biodiversity and remote sensing; in 2013 awarded 2-year NASA Earth Science PhD Fellowship, NSF GSS DDRI Grant); Ignacio Quintero (Yale. 2013 - ); Ben Carlson (Yale. 2014 - ); Muyang Lu (Yale. 2016 - ).

Ph.D., past: Tien Ming Lee (UCSD. 2005 – 2011; Broad-scale conservation science; now Columbia University Earth Institute Postdoctoral Fellow); Hamish Wilman (UCSD. 2005 – 2011; Energetic models of animal spaces use; now US Foreign Office diplomat track); informal co-advisor: J. McPherson (University of Oxford; now NSERC postdoctoral fellow, SFU Vancouver).

Informatics team: Jeremy Malczyk (Lead Developer, 2013- ); Ajay Ranipeta (App/UI Developer, 2014- ); Luis Villanueva (Database Manager, 2014- ).

Visiting Ph.D. students: Mario Ribeiro de Moura. Brazilian Science Without Border Programme fellow.

M.Sc.: co-advisor of five MSc student theses at University of Oxford

Undergraduates, Senior Thesis: Dakota McCoy (2010-11; awarded Rhodes Scholarship); Catherine Sheard, (2011-12; awarded Fulbright and Oxford Clarendon Scholarship; now PhD student at Oxford University). Gwen Antell (2013-15); Rebecca Beillinson (2014-16).

Undergraduates, research for credit, work experience: 2005-2015, UCSD: six '199' student projects (incl. two minority), Yale: >30 student volunteers, work/study students.

#### Research assistants:

Cody Schank (now PhD student at UT Austin, awarded Harrington Doctoral Fellowship, the university's most prestigious doctoral fellowship); Robin Sleith (now PhD Student at NY Botanical Garden); Ignacio Quintero (now PhD student in Yale EEB program); Ben Carlson (now PhD student in Yale EEB program); Anusha Jagannathan (2013-15); Michelle Duong (2015- ).

### **Committee Work**

Ph.D. qualifying/thesis committees: Matt Davis (Yale, G Geology & Geophysics Dept), Anne Greenberg (Yale, EEB Department); Beth Forrstel (Yale, EEB Dept); Jennifer Miller (Yale, FES), Elisabeth Forrestel



(Yale, EEB Dept), Jonathan Richardson (Yale, FES; reader), Emma Locatelli (Yale, Geology & Geophysics Dept, minor discourse), Sean Menke (UCSD, EBE Dept), Ben Pister (UCSD), Christian Anderson (UCSD, SIO); Derek Tittensor (U Halifax), David Redding (Simon Fraser University).

### **Lab Sabbatical Visitors**

2015-16: Renqiang Li. Institute of Geographical Sciences and Natural Resources Research (IGSNRR), the Chinese Academy of Sciences. China Scholarship Council Sabbatical Fellow.

2013-14: Dr. Jan Beck (Research Scientist, University of Basel, Switzerland). Funded for 2x 2 months through Swiss National Science Foundation fellowship.

2011-12: Dr. Haibao Ren (Assistant Professor, Institute of Botany, Chinese Academy of Sciences). Funded for 12 months through China Scholarship Council

2011: Dr. Arne Mooers (Professor, Simon Fraser University, Montreal). Funded as YIBS Visiting Fellow.

### **Other Activities**

President, Oxford University European Affairs Society, 1998 (largest university student society at Oxford, over 1,000 members, hosted two former Heads of State, Head of UNEP, headed int. committee of 14)

Leader, Oxford University Expedition to the Ivory Coast 1999, Leader (endorsed by Royal Geogr. Soc.)

### **Talks at Scientific Meetings**

Monitoring and Research Priorities for Global Assessment of Biodiversity and Ecosystem Function. University of Zurich - URPP Global Change and Biodiversity Symposium. Monte Verità, Switzerland, August 2016.

Toward a standardized evidence base and reporting for global biodiversity assessments. IPBES, Global Assessment First Author Meeting, Bonn, Germany, August 2016.

An Essential Biodiversity Variable for addressing species distributions in space and time. GEO BON All Hand Conference, Leipzig, Germany, July 2016

Reconciling the effects of time, area, and energy on geographic gradients in species richness. American Society of Naturalist's biennial meeting, Asilomar, California, January 2016

Indicator Resources for global biodiversity assessments. EU COST HARMBIO meeting, Natural History Museum London, December 2015.

Toward global species distributions for research and conservation. German Centre for Integrative Biodiversity Research (iDiv) Annual Conference. Leipzig, December 2015.

Indicator resources for IPBES Regional and Global Assessments, IPBES Global Assessment Scoping Symposium. Bonn, Germany, October 2015.

Integrating novel data and approaches for tropical biodiversity research and conservation. Andes Amazon Biodiversity Conservation (BIOCON), Plenary Talk. Lima, Peru, October 2015.

IPBES Regional and Global Biodiversity Indicators. CBD (Convention on Biological Diversity) AHTEG (Ad hoc technical expert group) meeting on Indicators for the Strategic Plan for Biodiversity 2011-2020. Co-delivered with Anne Larigauderie (IPBES Secretary). Geneva, September 2015

Toward a global, integrative biodiversity science. German Centre for Integrative Biodiversity Research (iDiv) Summer School. Leipzig, August 2015.

Toward a cross-scale understanding of species distributions and niches – integrating movement and other data types. AniMove Symposium (Animal Movement for Remote Sensing and Conservation). Plenary Talk, Konstanz, Germany, August 2015.

Data, Information and Knowledge Gaps and Resources for IPBES Regional Assessments. Talk delivered remotely to IPBES Regional Assessment First Author Meetings in Bogota and Tokyo (August 2015) and in person to Regional Assessment First Author Meeting in Grindelwald, Switzerland, September 2015.

Phylogenetic endemism, climatic refugia, and conserving the tree of life in a changing world. Invited talk for Symposium on 'Ecological Implications of Endemism Hotspots As Climate Change Refugia'. Ecological Society of America Conference Baltimore, August 2015.

Tracking changes to habitats and biodiversity for global assessments and monitoring. Plenary Talk. NASA Carbon Cycle & Ecosystems Joint Science meeting. College Park, Maryland, July 2015.

Species Distribution Essential Biodiversity Variables. GEO Biodiversity Observation Network Annual Meeting. Leipzig, June 2015.

A dynamic Map of Life: monitoring species distributions. Future Earth Symposium on Global Biodiversity Monitoring. New Haven, May 2015.

Remote-sensing based prediction and monitoring of global species distributions. Plenary Talk, Int. Biogeography Society Meeting, Bayreuth, January 2015.

Advancing spatial biodiversity knowledge for global conservation and resource management. International Society of Tropical Foresters 2015 Conference. New Haven. January 2015.

Biodiversity and conservation analysis using Google Earth Engine. World Parks Congress (decadal). Sydney, November 2014.

Monitoring and prediction of protected area representativeness for terrestrial species under environmental change: results from a new global infrastructure. World Parks Congress (decadal). Sydney, November 2014.

Global Biodiversity Monitoring, Prediction and Reporting, DIVERSITAS Celebration, Sevilla, September 2014.

Integrating processes and data types for predicting species distributions across spatial scales. Ecol. Soc. America Meeting, Sacramento. August 2014.

Remote-sensing supported global terrestrial biodiversity monitoring. NASA Biodiversity and Ecological Forecasting Team Meeting. Silver Spring, April 2014.

Novel methods and data to advance knowledge and understanding of geographical biodiversity from local to global scales. Invited keynote presentation. INTECOL, London, August 2013.

Toward a global map of life. Invited presentation. International Network of Next Generation Ecologists' workshop on Networks to do Ecology. INTECOL, London, August 2013.

Integrating global species distributions, remote sensing and climate data to model change in species distributions. NASA Biodiversity and Ecological Forecasting Team Meeting. Arlington, April 2013.

Integrating data for continental-scale biogeography - Network for Neotropical Biogeography Meeting, Miami, January 2013.

The diversity of birds in space and time. Invited symposium presentation. North American Ornithological Conference, Vancouver, August 2012.

Predicting species extinction risk from phylogenetic, spatial and remotely sensed environmental information, Ecological Society of America Conference Portland, August 2012.

Map Of Life - Integrating Global Spatial Biodiversity Knowledge. iEvoBio Conference, Ottawa, July 2012.

Integrating Biodiversity Distribution Knowledge: Toward A Global Map Of Life. Society For The Preservation of Natural History Collections Annual Meeting. New Haven, June 2012.

Environment, land-cover and cross-scale predictions of species richness and distributions. US - International Landscape Ecology Meeting, Newport. April 2012.

Using geographic distributions for species threat assessments. Society for Conservation Biology Annual Meeting, Auckland, New Zealand. December 2011. [presented via remote link]

Assessing species distribution responses to recent environmental change, NASA Biodiversity and Ecological Forecasting Team Meeting, Arlington VA, Oct 2011

Integrating Biodiversity Distribution Knowledge. USGS Conference 'Biodiversity Information Serving Our Nation'. Reston VA, Oct 2011.

The diversity of terrestrial vertebrates in a changing world. Meeting of the Macroecology Section of DFG. Basel, Feb 2011.

Die Diversität der Landwirbeltiere in einer Welt des Wandels. Public Evening Lecture, Society for Tropical Ecology, Frankfurt, Germany, Feb 2011.

The evolutionary and ecological effects of time, area, and climate on global patterns of vertebrate diversity. Society for the Study of Evolution / American Naturalist Society Meeting, Portland, Jun 2010

Terrestrial vertebrates and climate change in East Africa. Kenya International Conference on Biodiversity, Land use and Climate Change. Nairobi, Kenya. September 2010.

Species-level global change ecology in the face of an ever-growing gap between environmental and ecological knowledge. Invited Organized Oral Session speaker. Ecol. Soc. America Meeting, Albuquerque. August 2009

Toward an integrated biodiversity distribution knowledge-base for East Africa. Conservation in the Face of Climate Change Conference. African Conservation Center & Kenya Wildlife Service. Nairobi, Kenya. Mar 2009

Toward a global biogeography of traits - avian clutch sizes across species and space. 4th International Biogeography Meeting. Merida. Mexico. February 2009.

Ecological inference from environmental niche models. Ecol. Soc. America Meeting Milwaukee, USA. July 2008.

Productivity, temperature and the global distribution of terrestrial vertebrates. Ecol. Soc. America Meeting. San Jose, USA. July 2007.

Effects of environment, phylogeny and space on body sizes of terrestrial vertebrates. Evolution 2007 conference. Christchurch, New Zealand. June 2007.

Environmental and historical effects on broad-scale gradients of diversity. International Biogeography Society, Biennial Meeting. Tenerife, Spain. January 2007.

The geographic patterns of species richness of all birds - the relative role of evolutionary and environmental drivers. 24th International Ornithological Congress, Hamburg, Germany, August 2006

Advancing the knowledge base for global-scale conservation biogeography – expert-based habitat models of the distribution of terrestrial vertebrates. Society for Conservation Biology Annual Meeting, San Jose, USA. July 2006

Future land-use and climate change and extinction risk in birds. 2<sup>nd</sup> Okazaki Biology Conference on the “Biology of Extinction”. Okazaki, Japan. February 2006.

Energy and temperature as contemporary and evolutionary determinants of the global biodiversity of birds. Ecological Society of America, Annual Meeting. Montreal, Canada, August 2005.

The global distribution of threatened birds – null models, environmental determinants, and potential broad-scale effects of land use change. Society for Conservation Biology Meeting. Brazilia, July 2005

The global biogeography and environmental correlates of migratory behaviour in birds. ESF Conference “Optimality in Bird Migration”, Wilhelmshaven, Germany. February 2005.

“Global warming and the biogeography of birds. International Biogeography Society, Biennial Meeting. Shepherdstown, West Virginia, USA. January 2005.

The effect of climate change on the global biodiversity and distribution of birds. Ecological Society of America, Annual Meeting. Portland, Oregon, USA. August 2004.

The effect of climate change on global bird distributions. 1<sup>st</sup> Okazaki Biology Conference on the “Biology of Extinction”. Okazaki, Japan. January 2004.

The global diversity of birds. Ecological Society of Germany, Austria and Switzerland, Annual Meeting. Halle, Germany. September 2003.

General rules for the scaling of home range size and density in mammals. Ecological Society of America, Annual Meeting. Savannah, Georgia, USA. August 2003.

Latitudinal gradients in ecology – reviewing the roles of climate, region and area. Poster presentation at the Inaugural Meeting of the International Biogeography Society, Mesquite, Nevada, USA, January 2003.

Correlates of species richness in Non-Passerine birds. Ecological Society of America, Annual Meeting. Tucson, USA, August 2002.

Environmental and ecological correlates of species richness in Non-Passerines. 23<sup>rd</sup> International Ornithological Congress, Beijing, China, August 2002.

Visual life at night – behavioural ecology of tropical nightjars. German Ornithological Society Annual Meeting, Schwyz. Switzerland, September 2001.

Determinants of species richness patterns in African birds. Society for the Study of Evolution and Association of American Naturalists Joint Meeting, Knoxville TN, USA, July 2002.

Mapping the World’s terrestrial vertebrates. Conservation International, Global Annual Meeting, Washington DC, USA, April 2001.

Novel odours, novel colours - multi-component prey-predator signaling. XXV. International Ethology Conference, Vienna, Austria, September 1997.

Congo Basin - avian diaspora or evolutionary whirlpool? Edward Grey Institute Student Conference, Oxford, UK, January 1997.

Range expansion of Common Rosefinch in Central Europe. German Ornithological Society Annual Meeting, Wilhelmshaven, Germany, September 1994

## **Invited Department Talks**

Google Earth Engine Division, Mountain View (Host: David Thau), May 2016

Point Blue Conservation Science, Petaluma (Host: Grant Ballard), May 2016

NASA Science Brown Bag Seminar, NASA Headquarters, Washington DC (Host: Woody Turner), April 2016  
Dept. Environmental Science, Policy, and Management, Berkeley University (Host: Steve Beissinger), Feb 2016

Arizona State University, School of Life Sciences, Tempe (Host: Leah Gerber), Feb 2016

Museum of Vertebrate Zoology, Berkeley University (Host: Michelle Koo), Feb 2016

UNEP - World Conservation Monitoring Center, Cambridge UK (Host: Neil Burgess), Dec 2015

University of Würzburg, Department of Animal Ecology (Host: I. Steffan-Dewenter), Nov 2015

German Centre for Integrative Biodiversity Research (iDiv), Leipzig, (Host: Marten Winter), Sep 2015

University of Zurich, Institute for Systematic Botany, Zurich (Host: Michael Kessler), Sep 2015

University of Zurich, Global Change and Biodiversity Retreat, Herzberg (Host: Michael Schaepman), Sep 2015

Global Biodiversity Information Facility (GBIF), Copenhagen (Host: Donald Hobern), May 2015

Bristol University, UK, Department of Biological Sciences (Host: Jakob Vinther), May 2015

“Bambi” Seminar, Smithsonian Tropical Research Institute, BCI, Panama (Host: BCI), Feb 2015

Tupper Talk, Smithsonian Tropical Research Institute, Panama (Host: Carlos Jaramillo), Feb 2015

Invited Speaker, E.O. Wilson Honorary Doctorate Symposium, Oldenburg (Host: Gerhard Zotz), Jun 2014

Invited Speaker, Royal Society Meeting on ‘Phylogeny, extinction risks and conservation’, London, Mar 2014

Michigan State Univ., Dept of Fisheries and Wildlife (Graduate Symposium Keynote Speaker). Feb 2013

Australian National University, Research School of Biology (Host: Marcel Cardillo). Dec 2013

German Centre for Integrative Biodiversity Research, Leipzig, (Host: Helge Bruehlheide). Oct 2013

University of Zurich, Institute of Evol. Biology and Env. Studies, Zurich, (Host: Barbara Koenig). Oct 2013

University of Lisbon, Centre for Environmental Biology, (Host: Luis Borda-de-Agua). Sep 2013

Imperial College London, Silwood Park, Department Seminar, (Host: Vincent Savoleinen). Mar 2013

University of Halle, Faculty of Natural Sciences & iDiv, (Host: Peter Wycisk). Mar 2013

University of Florida, Department of Wildlife Conservation and Ecology, (Host: Susan Cameron). Feb 2013

University of Southampton, Faculty of Natural and Environmental Sciences, (Host: Steve Hawkins). Oct 2012

Cornell Lab of Ornithology, Monday Night Seminar series, Ithaca (Host: Steve Kelling). April 2012.

Swiss Population Genomic Graduate Program Symposium, Churwalden (Host: Graduate Students). March 2012.

Max Planck Society Symposium “Biodiversity”, Berlin (Host: Andrei Lupas). March 2012.

Yale Institute of Biospheric Studies. Yale University (Host: Os Schmitz, F&ES), January 2012.

Stony Brook University, Department of Ecology & Evolution (Host: John Wiens), November 2011

IUCN/International Union for Conservation of Nature Global Red List Unit (Host: C. Hilton-Taylor), July 2011

University of Queensland, Institute of Botany (Host: Hugh Possingham), May 2011

Australian National University, Canberra (Host: Paul Waters), April 2011

CSIRO Ecosystem Science, Canberra (Host: Simon Ferrier), April 2011

University of Prague, Czech Republic (Host: David Storch), March 2011

University of Connecticut, Storrs (Host: graduate students), January 2011

University of Basel, Institute of Botany (Host: Christian Körner), Dec 2010  
University of California Berkeley, Dept of Integrative Biology, (Host: Paul Fine), May 2010  
University of Colorado Boulder, Dept Ecology and Evolutionary Biology (Host: graduate students), Jan 2010  
University of Amsterdam, Biology and Earth Science Division (Host Peter van Tienderen). May 2009  
Max Planck Institute for Ornithology, Seewiesen. (Host: Bart Kempenaers). Oct 2008  
University of Texas, Austin, Department of Integrative Biology (Host: Tim Keitt), Feb 2008  
Simon Fraser University, Vancouver, Biology Department (Host: Arne Mooers), Jan 2008  
Dalhousie University, Halifax, Department of Biology (Host: Boris Worm), Nov 2007  
Yale University, Department of Ecology & Evolutionary Biology (Host: Günter Wagner), Nov 2007  
University of Missouri, St Louis, Department of Biology (Host: Robert Ricklefs), 2007  
Yale University, Department of Ecology & Evolutionary Biology (Host: Michael Donoghue), April 2007  
Swiss Federal Institute of Technology (ETH) Zurich (Host: Harald Bugmann), 2006  
National Center for Ecological Analysis and Synthesis, Santa Barbara (Host: Nicholas Gotelli), 2006  
University of Oxford, School of Geography and the Environment (Host: Gordon Clark), 2005  
University of Tennessee Knoxville, Ecology and Evolutionary Biology (Host: Mike Gilchrist), 2005  
San Diego State University, Biology Department (Hosts: Helen Regan, Janet Franklin), 2005  
University of Potsdam, Institute for Biochemistry and Biology, and Potsdam Institute for Climate Impact Research (Hosts: Florian Jeltsch, Wolfgang Cramer), 2004  
Stanford University, Center for Conservation Biology (Host: Paul R. Ehrlich), 2004  
University of Marburg, Biology Department (Host: Roland Brandl), 2004  
University of Göttingen, Centre of Biodiversity and Ecology (Host: Matthias Schaefer), 2004  
University of Munich, Department Biology II (Host: Sebastian Diehl), 2004  
Duke University, Nicholas School of the Environment and Earth Sciences (Host: Stuart Pimm), 2003  
University of Bonn, Germany, Institute of Plant Sciences (Host: Jens Muthke), 2003  
University of New Mexico, Biology Department, Brown Bag Seminar. (Host: Eric Toolson), 2003  
Institute of Zoology, London, Science for Conservation Seminar (Host: Chris Carbone), 2002  
University of York, UK, Environment Department (Host: Jon Lovett), 2002  
Princeton University, Dept. Ecology and Evolutionary Biology (Host: Andy Dobson), 2002  
University of New Mexico, Biology Department, Biocomplexity Seminar (Host: James H. Brown), 2002  
University of Oxford, UK, Edward Grey Institute of Field Ornithology. (Host: Chris Perrins), 2000  
University of Würzburg, Germany. (Host: Klaus Horstmann), 1998  
University of Oxford, UK. Animal Behaviour Research Group. (Host: Tim Guilford), 1997  
Max-Planck Institute for Behavioural Physiology, Germany, (Host: Wolfgang Wickler), 1997

## **Peer Reviewed Publications**

Google Scholar Profile: <http://goo.gl/XXQd89>  
h-index (Google Scholar, Sep 2016): 54

### **Published, in press:**

111. Ko, C., Schmitz, O.J., Barbet-Massin, M. & W. Jetz (in press): The limits of direct community modeling approaches for broad-scale predictions of ecological assemblage structure. **Biological Conservation**.

110. Jarzyna, M. A. & W. Jetz (2016): Detecting the Multiple Facets of Biodiversity. **Trends in Ecology and Evolution**. DOI: 10.1016/j.tree.2016.04.002
109. Latombe, G., P. Pyšek, J. M. Jeschke, T. M. Blackburn, S. Bacher, C. Capinha, M. J. Costello, M. Fernández, R. D. Gregory, D. Hobern, C. Hui, W. Jetz, S. Kumschick, C. McGrannachan, J. Pergl, H. E. Roy, R. Scalera, Z. E. Squires, J. R. U. Wilson, M. Winter, P. Genovesi, and M. A. McGeoch (2016). A vision for global monitoring of biological invasions. **Biological Conservation**. DOI:10.1016/j.biocon.2016.06.013
108. Ballesteros-Mejia, L., I. J. Kitching, W. Jetz, and J. Beck. (2016). Putting insects on the map: near-global variation in sphingid moth richness along spatial and environmental gradients. **Ecography**. DOI: 10.1111/ecog.02438
107. Tonini, J. F. R., K. H. Beard, R. B. Ferreira, W. Jetz, and R. A. Pyron (2016). Fully-sampled phylogenies of squamates reveal evolutionary patterns in threat status. **Biological Conservation**. DOI:10.1016/j.biocon.2016.03.039
106. Wilson, A. M., & W. Jetz (2016). Remotely sensed high-resolution global cloud dynamics for predicting ecosystem and biodiversity distributions. **PLoS Biology** 14: e1002415. DOI: 10.1371/journal.pbio.1002415
105. Jetz, W., J. Cavender-Bares, R. Pavlick, D. Schimel, F. W. Davis, G. P. Asner, R. Guralnick, J. Kattge, A. M. Latimer, P. Moorcroft, M. E. Schaepman, M. P. Schildhauer, F. D. Schneider, F. Schrod, U. Stahl, & S. L. Ustin. (2016). A global remote sensing mission to detect and predict plant functional biodiversity change. **Nature Plants** 2: 16024. DOI: 10.1038/nplants.2016.24
104. Pigot, A. L., J. Tobias, and W. Jetz (2016). Energetic constraints on species coexistence in birds. **PLoS Biology** 14: e1002407. DOI: 10.1371/journal.pbio.1002407
103. Domisch, S., Wilson, A.M. & W. Jetz (2016): Model-based integration of observed and expert-based information for assessing the geographic and environmental distribution of freshwater species. **Ecography**. DOI: 10.1111/ecog.01925
102. Domisch, S., Amatulli, G. & W. Jetz (2015): Near-global freshwater-specific environmental variables for biodiversity analyses in 1 km resolution. **Scientific Data** 2:150073. DOI: 10.1038/sdata.2015.73
101. Keil, P., Storch, D. & W. Jetz (2015): On the decline of biodiversity due to area loss. **Nature Communications** 6: 8837. DOI: 10.1038/ncomms9837
100. Belmaker, J. & W. Jetz (2015): Relative roles of ecological and energetic constraints, diversification rates and region history on global species richness gradients. **Ecology Letters** 18:563–571. DOI: 10.1111/ele.12438
99. Quintero, I., Keil, P. , Jetz, W., & F. W. Crawford (2015): Historical Biogeography Using Species Geographical Ranges. **Systematic Biology** 64:1059-1073. DOI: 10.1093/sysbio/syv057
98. Meyer, C., Kreft, H., Guralnick, R.P. & W. Jetz (2015): Global priorities for an effective knowledge base of biodiversity distributions. **Nature Communications** 6: 8221. DOI: 10.1038/ncomms9221
97. Tuanmu, M.-N. & W. Jetz (2015): A global, remote sensing-based characterization of terrestrial habitat heterogeneity for biodiversity and ecosystem modelling. **Global Ecology and Biogeography** 24:1329-1339. DOI: 10.1111/geb.12365

96. Crowther, T. W., H. B. Glick, K. R. Covey, C. Bettigole, D. S. Maynard, S. M. Thomas, J. R. Smith, G. Hintler, M. C. Duguid, G. Amatulli, M. N. Tuanmu, W. Jetz, C. Salas, C. Stam, D. Piotto, R. Tavani, S. Green, G. Bruce, S. J. Williams, S. K. Wiser, M. O. Huber, G. M. Hengeveld, G. J. Nabuurs, E. Tikhonova, P. Borchardt, C. F. Li, L. W. Powrie, M. Fischer, A. Hemp, J. Homeier, P. Cho, A. C. Vibrans, P. M. Umunay, S. L. Piao, C. W. Rowe, M. S. Ashton, P. R. Crane, & M. A. Bradford. 2015. Mapping tree density at a global scale. **Nature** 525:201-205. DOI: 10.1038/nature14967
95. Kays, R., M. C. Crofoot, W. Jetz & M. Wikelski (2015): Terrestrial animal tracking as an eye on life and planet. **Science** 348: 1255642. DOI: 10.1126/science.aaa2478
94. Barbet-Massin, M. & W. Jetz (2015): The effect of range changes on the functional turnover, structure and diversity of bird assemblages under future climate scenarios. **Global Change Biology** 21: 2917–2928. DOI: 10.1111/gcb.12905
93. Parmentier, B., B. J. McGill, A. M. Wilson, J. Regetz, W. Jetz, R. Guralnick, M.-N. Tuanmu & M. Schildhauer. 2015. Using multi-timescale methods and satellite-derived land surface temperature for the interpolation of daily maximum air temperature in Oregon. **International Journal of Climatology** 35:3862-3878.
92. W. Jetz & R. P. Freckleton (2015): Toward a general framework for predicting threat status of data-deficient species from phylogenetic, spatial and environmental information. **Philosophical Transactions of the Royal Society B** 370: 20140016.
91. Rosauer, D. & W. Jetz (2015): Phylogenetic endemism in terrestrial mammals. **Global Ecology and Biogeography** 24:168-179. DOI: 10.1111/geb.12237
90. Parmentier, B., B. McGill, A. Wilson, J. Regetz, W. Jetz, R. P. Guralnick, M.-N. Tuanmu, N. Robinson, and M. Schildhauer (2014). An assessment of methods and remote-sensing derived covariates for regional predictions of 1 km daily maximum air temperature. **Remote Sensing** 6: 8639-8670.
89. Barbet-Massin, M., and W. Jetz (2014): A 40-year, continent-wide, multispecies assessment of relevant climate predictors for species distribution modelling. **Diversity and Distributions** 20:1285-1295. DOI: 10.1111/ddi.12229
88. La Sorte, F. A., S. H. M. Butchart, W. Jetz, and K. Böhning-Gaese (2014): Range-Wide Latitudinal and Elevational Temperature Gradients for the World's Terrestrial Birds: Implications under Global Climate Change. **PLoS One** 9: e98361.
87. W. Jetz, Thomas, G. H., Joy, J.B., Hartmann, K., Redding, D & A.O. Mooers (2014): Distribution and conservation of global evolutionary distinctness in birds. **Current Biology** 24: 919-930.
86. Wilman, H., J. Belmaker, J. Simpson, C. d. l. Rosa, M. Rivadeneira, and W. Jetz (2014): EltonTraits 1.0: Species-level foraging attributes of the world's birds and mammals. **Ecology** 95: 2027.
85. Tuanmu, M. & W. Jetz (2014): A global 1km consensus land cover product for biodiversity and ecosystem modeling. **Global Ecology & Biogeography** 23: 1031-1045.
84. Keil, P., Wilson, A.M. & W. Jetz (2014): Uncertainty, priors, autocorrelation and disparate data in downscaling of species distributions. **Diversity & Distributions** 20:797-812.

83. Boyer, A. & W. Jetz (2014): Extinctions and the loss of ecological function in island bird communities. **Global Ecology & Biogeography** 23: 679-688.
82. Keil, P. & W. Jetz (2014): Downscaling the diversity-environment relationship to produce high-resolution maps of species richness. **Ecological Applications** 24: 823-831.
81. Wilson, A.M, Parmentier, B. & W. Jetz (2014): Systematic landcover bias in Collection 5 MODIS cloud mask and derived products – a global overview. **Remote Sensing & Environment** 141: 149-154.
80. Ko, C., Schmitz, O.J., Barbet-Massin, M. & W. Jetz (2014): Dietary Guild Composition and Disaggregation of Avian Assemblages under Climate Change. **Global Change Biology** 20: 790-802.
79. Thomas, G. H., Joy, J.B., Hartmann, K., Redding, D, W. Jetz, & A.O. Mooers (2013): PASTIS: An R package to facilitate Phylogenetic Assembly with Soft Taxonomic InferenceS. **Methods in Ecology and Evolution** 4: 1011-1017.
78. Weigelt, P., Jetz, W. & H. Kreft (2013): A bioclimatic and physical characterization of the World's islands. **Proceedings National Academy of Science** 110: 15307-15312.
77. Kreft, H. & W. Jetz (2013): Comment on "An Update of Wallace's Zoogeographic Regions of the World. **Science**: 341: 6144.
76. Wetzel, F.T., Beissmann, H., Penn, D.J. & W. Jetz (2013): Vulnerability of Terrestrial Island Vertebrates to Projected Sea-Level Rise. **Global Change Biology** 19: 2058-2070.
75. Pereira, H. M.; Ferrier, S.; Walters, M.; ... Jetz, W. et al. (32 total) (2013): Essential Biodiversity Variables. **Science** 339: 277-278.
74. Ballesteros-Mejia, L., Kitching, I.J., Jetz, W., Nagel, P. & J. Beck (2013): Mapping the biodiversity of tropical insects: Species richness and inventory completeness of African sphingid moths. **Global Ecology & Biogeography** 22: 586-595.
73. Belmaker, J. & W. Jetz (2013). Spatial scaling of functional diversity in bird and mammal assemblages. **American Naturalist** 181: 464-478.
72. Keil, P., Belmaker, J., Wilson, A.M, Unitt, P. & W. Jetz (2013): Downscaling of species distribution models: a hierarchical approach. **Methods in Ecology and Evolution** 4: 82-94.
71. W. Jetz, Thomas, G. H., Joy, J.B., Hartmann, K. & A.O. Mooers (2012): The global diversity of birds in space and time. **Nature** 491: 444-448.
70. Storch, D., Keil, P. & W. Jetz (2012): Universal species- and endemics-area relationships at continental scales. **Nature** 488: 79-81.
69. Sibly, R.M., Witt, C.C., Wright, N.A., Venditti, C., Jetz, W. & J.H. Brown (2012): Energetics, lifestyle and reproduction in birds. **PNAS**: 109: 10937-10941.
68. Jetz, W. & P. Fine (2012): Area and productivity of the world's biomes integrated over geological time predicts global patterns of vertebrate diversity. **PLoS Biology** 10: e1001292.
67. La Sorte, F.A. & W. Jetz (2012): Strong lag effects in the tracking of climatic-niche boundaries under recent climate change. **J. Animal Ecology** 81: 914-925.



66. Belmaker, J.C. & W. Jetz (2012): Regional pools and environmental controls of vertebrate assemblages. **American Naturalist** 179: 512-523.
65. Buckley, L.B., Hurlbert, A.H. & W. Jetz (2012): Broad-scale ecological implications of ectothermy and endothermy in changing environments. **Global Ecology & Biogeography** 21: 873-885.
64. Jetz, W., R. Guralnick & McPherson. (2012): Integrating biodiversity distribution knowledge: toward a global map of life. **Trends in Ecology and Evolution** 27: 151-159.
63. Kissling, D., Sekercioglu, C. & W. Jetz (2012): Bird dietary guild richness across latitudes, environments and regions. **Global Ecology & Biogeography** 21: 328–340.
62. Belmaker, J., C. Sekercioglu & W. Jetz. (2012): Global patterns of specialization and coexistence in bird assemblage. **Journal of Biogeography** 39: 193-203.
61. Hof, C., M. B. Araujo, W. Jetz, and C. Rahbek. (2011). Additive threats from pathogens, climate and land-use change for global amphibian diversity. **Nature** 480:516-519.
60. Freckleton, R.P., Cooper, N. & W. Jetz (2011): The limitations of phylogenetic eigenvector regression for comparative analyses. **American Naturalist** 178:E10-E17
59. Lasky, J.R., Jetz, W. & T.H. Keitt (2011): Conservation biogeography of the U.S.-Mexico border: a transcontinental risk assessment of barriers to animal dispersal. **Diversity & Distributions** 17: 673-687.
58. Cooper, N., Freckleton, R.P. & W. Jetz (2011): Phylogenetic conservatism of environmental niches in mammals. **Proceedings of the Royal Society B: Biological Sciences** 278: 2384-2391
57. Jetz, W. and D. R. Rubenstein. 2011. Environmental Uncertainty and the Global Biogeography of Cooperative Breeding in Birds (vol 21, pg 72, 2011) - Erratum. **Current Biology** 21:438-438.
57. Jetz, W. & D. Rubenstein (2011): Global biogeography and environmental predictors of cooperative breeding in birds. **Current Biology** 21: 1-7.
56. Lee, T.M. & W. Jetz (2011): Unraveling the structure of species extinction risk for predictive conservation science. **Proceedings of the Royal Society B: Biological Sciences** 278: 1329-1338
55. Belmaker, J. & W. Jetz (2011): Cross-scale variation in species richness-environment associations. **Global Ecology & Biogeography** 20: 464–474
54. Cooper, N., Jetz, W. & R.P. Freckleton (2010): Phylogenetic comparative approaches for studying niche conservatism. **Journal of Evolutionary Biology** 23: 2529-2539.
53. Tittensor, D.P., Mora, M., Jetz, W., Lotze, H.K., Ricard, D., Vanden Berghe, E. & B. Worm (2010): Global patterns and predictors of marine biodiversity across taxa. **Nature** 466: 1098-1101.
52. La Sorte, F.A. & W. Jetz (2010): Projected range contractions of montane biodiversity under global warming. **Proceedings of the Royal Society B: Biological Sciences** 277: 3401-3410.
51. Kreft, H., Jetz, W., Mutke, J. & W. Barthlott (2010): Contrasting environmental and regional effects on species richness of ferns and seed plants. **Ecography** 33: 408-419
50. Kreft, H. & W. Jetz (2010): A framework for delineating biogeographic regions based on global species distributions. **J. Biogeography** 37: 2029-2053. Special Paper
49. Boyer, A. G. & W. Jetz (2010): Biogeography of body size in Pacific island birds. **Ecography** 33: 369-379.

48. Sommer, J.H., Krefft, H., Kier, G., Jetz, W., Mutke, J. & W. Barthlott (2010): Projected impacts of climate change on regional capacities for global plant species richness. **Proceedings of the Royal Society B: Biological Sciences** 277: 2271-2280
47. La Sorte, F.A. & W. Jetz (2010): Avian distributions under climate change: towards improved projections. **J. Experimental Biology** 213: 862-869.
46. Hurlbert, A.H. & W. Jetz (2010): More than "more individuals": the non-equivalence of area and energy in the scaling of species richness. **American Naturalist** 176: E50–E65.
45. Buckley, L. & W. Jetz (2010): Lizard community structure along environmental gradients. **J. Animal Ecology** 79: 358 – 365.
44. Jetz, W., Ashton, K.G. & F.A. La Sorte (2009): Phenotypic population divergence in terrestrial vertebrates at macro scales. **Ecology Letters** 12: 1137-1146
43. Gotelli, N. & 20 others, incl. W. Jetz (2009): Patterns and causes of species richness: a general simulation model for macroecology. **Ecology Letters** 12: 873-886.
42. Jetz, W., Krefft, H., Ceballos, G. & J. Mutke (2009): Global associations between terrestrial producer and vertebrate consumer diversity. **Proceedings of the Royal Society B: Biological Sciences** 276: 269–278.
41. Kier, G., Krefft, H.\*, Lee, T. M., Jetz, W., Ibisch, P.L., Nowicki, C., Mutke & J. W. Barthlott (2009): A global assessment of endemism and species richness across island and mainland regions. **Proceedings National Academy of Science** 106: 9322–9327
40. Kissling, W.D., Böhning-Gaese, K. & Jetz, W. (2009): The global distribution of frugivory in birds. **Global Ecology & Biogeography** 18: 150 - 162.
39. La Sorte, F.A., Lee, T.M., Wilman, H., and Jetz, W. (2009): Disparities between observed and predicted impacts of climate change on winter bird assemblages. **Proceedings of the Royal Society B: Biological Sciences** doi:10.1098/rspb.2009.0162.
38. Menke, S.B., Holway, D.A., Fisher, R.N. & Jetz, W. (2009): Characterizing and predicting species distributions across environments and scales: Argentine ant occurrences in the eye of the beholder. **Global Ecology & Biogeography** 18: 50-63.
37. Jetz, W., Sekercioglu, C. H. & Böhning-Gaese, K. (2008): The worldwide variation in avian clutch size across species and space. **PLoS Biology** 6:e303.
36. Buckley, L. & Jetz, W. (2008): Linking global turnover of species and environments. **Proceedings National Academy of Science** 145: 17836-17841.
35. Krefft, H., Jetz, W., Mutke, J., Kier, G. & Barthlott, W. (2008): Global diversity of island floras from a macroecological perspective. **Ecology Letters** 11: 116-127.
34. Freckleton, R. P. & W. Jetz (2008): Space versus phylogeny: disentangling phylogenetic and spatial signals in comparative data. **Proceedings of the Royal Society B: Biological Sciences** 276: 21-30.
33. Jetz, W., Freckleton, R. P. & A.E. McKechnie (2008): Environment, Migratory Tendency, Phylogeny and Basal Metabolic Rate in Birds. **PLoS ONE** 3(9): e3261. doi:10.1371/journal.pone.0003261
32. Dobson, A., Lafferty, K.D., Kuris, A.M, Hechinger, R.F. & W. Jetz (2008): Homage to Linnaeus: How many parasites? How many hosts? **Proceedings National Academy of Science** 105: 11482-11489.

31. Lee, T.M. & Jetz, W. (2008): Future battlegrounds for conservation under global change. **Proceedings of the Royal Society B: Biological Sciences** 275: 1261-1270.
30. Jetz, W., Sekercioglu C. & J.E.M. Watson (2008): Ecological correlates and conservation implications of overestimating species' geographic ranges. **Conservation Biology** 22: 110-119.
29. Kreft, H., Jetz, W., Mutke, J., Kier, G. & W. Barthlott (2008): Island floras: Global diversity from a macroecological perspective. **Ecology Letters** 11: 116-127.
28. Buckley, L.B., Rodda, G.H. & W. Jetz (2008): Thermal and energetic constraints on ectotherm abundance: a global test using lizards. **Ecology** 89: 48–55.
27. Menke, S.B., Fisher, R.N., Jetz, W. & D.A. Holway (2007): Biotic and abiotic controls of Argentine ant invasion success at local and landscape scales. **Ecology** 88: 3164–3173.
26. Dormann, C. F., McPherson, J. M., Araújo, M. B., Bivand, R., Bolliger, J., Carl, G., Davies, R. G., Hirzel, A., Jetz, W., Kissling, W. D., Kühn, I., Ohlemüller, R., Peres-Neto, P. R., Reineking, B., Schröder, B., Schurr, F. M. & Wilson, R. J. (2007) Methods to account for spatial autocorrelation in the analysis of species distributional data: a review. **Ecography** 30: 609–628.
25. Schaefer, H.C., Jetz, W. & K. Böhning-Gaese (2007): Impact of climate change on migratory birds: community reassembly versus adaptation. **Global Ecology and Biogeography**: 17:38-49
24. McPherson, J. M. & W. Jetz (2007) Type and spatial structure of distribution data and the perceived determinants of geographical gradients in ecology: the species richness of African birds. **Global Ecology and Biogeography** 16: 657-667.
23. Hurlbert, A.P. & W. Jetz (2007): Species richness, hotspots, and the scale-dependence of range maps in ecology and conservation. **Proceedings National Academy of Science** 104: 13384-13389.
22. Buckley, L.B. & W. Jetz (2007): Insularity and the balance of environmental and ecological determinants of population density. **Ecology Letters** 10 (6): 481-489.
21. Jetz, W., D. S. Wilcove & A.P. Dobson (2007): Projected impacts of climate and land-use change on the global diversity of birds. **PLoS Biology** 5(6): e157
20. Kreft, H. & W. Jetz (2007): Global Patterns and Determinants of Vascular Plant Diversity. **Proceedings National Academy of Science** 104 (14): 5925–5930.
19. Buckley, L.B. & W. Jetz (2007): Environmental and historical constraints on global patterns of amphibian richness. **Proceedings of the Royal Society B: Biological Sciences** 274: 1167-1173.
18. McPherson, J.M. & Jetz, W. (2007): Effect of species' ecology on the accuracy of distribution models. **Ecography** 30: 135-151.
17. McKechnie, A. E., Freckleton, R. P. & W. Jetz (2006): Phenotypic plasticity in the scaling of avian basal metabolic rate. **Proceedings of the Royal Society B: Biological Sciences** 273: 931-937.
16. McPherson, J.M., Jetz, W., D.J. Rogers (2006): Using coarse-grained occurrence data to predict species distributions at finer spatial resolutions - possibilities and limitations. **Ecological Modeling** 192: 499-522.

15. Anderson, K. & W. Jetz (2005): The broad-scale ecology of energy expenditure of endotherms. **Ecology Letters** 8: 310-318.
14. Jetz, W., Rahbek, C. & J. W. Lichstein (2005): Local and global approaches to spatial data analysis in ecology. **Global Ecology and Biogeography** 14: 97-98.
13. Jetz, W., Rahbek, C. & R.K. Colwell (2004): The coincidence of rarity and richness and the potential signature of history in centers of endemism. **Ecology Letters** 7: 1180-1191.
12. Jetz, W., Carbone, C., Fulford, J. & J.H. Brown (2004): The scaling of animal space use. **Science** 306: 266-268.
11. McPherson, J. M., Jetz, W. & D.J. Rogers (2004): The effects of species range size on the accuracy of environmental distribution models - ecological phenomenon or statistical artefact? **Journal of Applied Ecology** 41: 811-823
10. Meehan, T.D., Jetz, W. & J.H. Brown (2004): Energetic determinants of abundance in winter landbird assemblages. **Ecology Letters** 7: 532-537.
9. Donze, J., Moulton, M. P., Labisky, R. F. & Jetz, W. (2004): Response to Sexual Selection and the Outcome of Game Bird (Aves: Galliformes) Introductions on Oceanic Islands. **Evolutionary Ecology Research**.
8. Jetz, W., J. Steffen & K.E. Linsenmair (2003): Effects of light and prey availability on nocturnal, lunar and seasonal activity of two sub-tropical nightjars. **Oikos** 103: 627-639.
7. Jetz, W. & Rahbek, C. (2002): Geographic range size and determinants of avian species richness. **Science** 297: 1548-1551.
6. Johnson, D. P., Jetz, W. & D. W. Macdonald (2002): Environmental correlates of badger social spacing across Europe. **Journal of Biogeography** 29:411-425.
5. Jetz, W. & C. Rahbek (2001): Geometric constraints explain much of the species richness pattern in African birds. **Proceedings National Academy of Science**. 98 (10): 5661-5666.
4. Jetz, W., Rowe, C. & T. Guilford (2001): Non-warning odors trigger innate color aversions – as long as they are novel. **Behavioral Ecology** 12: 134-139.
3. Zotz, G., Schweikert A., Jetz, W. & H. Westerman (2000): Water relations and carbon gain are closely related to cushion size in the moss *Grimmia pulvinata*. **New Phytologist** 148:59-67
2. Bezzel, E. & W. Jetz (1995): Delay of the Autumn Migratory Period in the Blackcap (*Sylvia atricapilla*) 1966-1993 - a Reaction to Global Warming? – **Journal of Ornithology**. 136: 83-87.
1. Jetz, W. & E. Bezzel (1993): Different detectability of Passerines after the breeding season? - Attempt of a quantification. -**Vogelwelt** 114: 186-198.

## **Book Chapters**

W. Jetz (2011): Commentary on “Two decades of homage to Santa Rosalia: Towards a general theory of diversity”. Pages 680 – 681 in Smith, F. A, Gittleman, J.L. & J.H. Brown: Foundations of Macroecology. Univ. Chicago Press, Chicago, IL

A. Boyer & W. Jetz (2012): Chapter “Conservation biology” in “Metabolic Ecology: a scaling approach” (James. H. Brown, Astrid Kodric-Brown & Richard Sibly, editors).

## **Books**

Jetz, W. (1995): The birds of Uludag. Birds of Turkey 11. 44 pp. Kasperek Verlag. Heidelberg.

## **Book Reviews**

Jetz, W. (2002): Chappuis, C. 2002. African Bird Sounds. Ibis 144: 366.

Jetz, W. (2002): Holyoak, D.T. 2002. Nightjars and their Allies. The Caprimulgiformes. Oxford University Press. Ibis 144: 359-360.

Jetz, W. (2002): Richarz, K. & E. Bezzel. 2002. Taschenbuch für Vogelschutz: A pocket guide to bird protection. AULA Verlag. Ibis 144: 696-697.

Jetz, W. (2000): Handbook of the Birds of the World V. By Del Hoyo, J., Elliot, A. & J. Sargatal eds. Lynx Ediciones. Ibis 142:503-504.

Jetz, W. (1999): Nightjars: a Guide to Nightjars and Related Nightbirds. Yale University Press. By Cleere, N. & D. Nurney. Ibis 141: 332.

Jetz, W. (1998): A Bibliography of Afrotropical Birds, 1979-1990. Tauraco Press. By Dowsett, R.J. & F. Dowsett-Lemaire. Ibis 140: 191.

## **Online Research and Science Communication Tools**

[MOL.org](#): Map of Life project website. Nearly 1/2 million unique visitors since launch.

[Map of Life mobile app](#): A tailored field guide and citizen science tool. > 100,000 downloads

Reviewed in Science Magazine: Goldsmith, G. R. 2015. The field guide, rebooted. Science 349:594.

Recognized with ‘2016 Best App for Teaching & Learning’ award by the American Association of School Librarians (AASL)

[EarthEnv.org](#): Visualization and use of global environmental layers for biodiversity and ecosystem research from our NASA/NSF projects. >25,000 unique visitors since launch in March 2016.

[MountainBiodiversity.org](http://MountainBiodiversity.org): Interactive characterization of global mountain regions and their biodiversity, developed in collaboration with Future Earth Global Mountain Biodiversity Assessment (GBMA).

[Birdtree.org](http://Birdtree.org): Allows viewing of bird tree images, download of the full phylogeny, and, importantly, provides a tool for sub-setting the tree for specific analyses. >15,000 unique visitors since launch in Nov 2012, several thousand tree downloads.

<http://sbsc.yale.edu/> : Featuring activities in biodiversity and environmental research and teaching at Yale.

British Library Exhibition “Beautiful Science” (20 Feb – 26 May 2014) featuring a display of Jetz et al 2014 bird tree.

## **Select Commentaries on Research**

**12 Faculty Of 1000 Listings:** Pereira et al (Nature 2013), Jetz et al (TREE 2012), Jetz & Fine (PLoS Biology 2012), Tittensor et al (Nature 2010), Hurlbert & Jetz (AmNat 2010), Kier et al (PNAS, 2009), Buckley & Jetz (PNAS, 2008), Kreft et al (Ecology Letters, 2008), Jetz et al (Conserv. Biol., 2008), Lee & Jetz (Proc. Roy. Soc. Biol. Sci., 2008), Hurlbert & Jetz (PNAS, 2007), Jetz et al. (Ecology Letters, 2004).

### **Select coverage in popular and academic press:**

(for web links see <http://jetzlab.yale.edu/biblio>)

2012-16: Extensive international press coverage on Map of Life. For selection see <http://mol.org/press>

*Wired Magazine* (2014): New Computer Model Uses DNA to Identify Earth’s Most Distinctive Birds <http://www.wired.com/2014/04/birds/>

*The Guardian* (11 April 2014): Scientists name world's 100 most unusual and endangered birds

*New Scientist* (26 March 2014): Genes pick species for new Noah's Ark

*Science Magazine* (2012): ScienceShot: A Tree for All Birds. 31 Oct 2012.

*Nature News* (2012): 'Tree of life' constructed for all living bird species. 31 Oct 2012. doi:10.1038/nature.2012.11712

*Yale News* (2012): Exhaustive family tree for birds shows recent, rapid diversification. 31 Oct 2012. #7 most read Yale News story in 2012.

*Huffington Post* (2012): 'Map Of Life' Interactive Program Shows Locations Of 25,000 Species. 14 May 2012.

*Nature News* (2012): Map of Life goes live. 10 May 2012. doi:10.1038/nature.2012.10621

*PLoS Biology Synopsis* (2012): Historical and Contemporary Factors Govern Global Biodiversity Patterns. By Jonathan Chase. PLoS Biol 10(3): e1001294.

*The Weather Channel* (2012): Birds Adjusting Slowly to Climate Change.

*The Guardian* (2011): Amphibians facing 'terrifying' rate of extinction. 16 Nov 2011

*Nature* (2011): Ecology: Bleak future for amphibians. Nature 480, 461–46

*New York Times* (2011): For Many Species, No Escape as Temperature Rises. 22 Jan (*front page*)

*Science* (2010): Seeing Deeply Into the Sea’s Biodiversity. Science 239: 622.

*Wall Street Journal* (2010): Vital Marine Plants in Steep Decline. July 29.

*J. Biogeography*: Drawing lines on maps – but how many different schemes? By B. Cox. Perspective on Kreft & Jetz 2010 study in *J. Biogeography*.

*San Diego Tribune* (2010): Region's avian diversity at Risk? Apr

*UPI* (2010): Mountain bird climate survival studied. June.

*BBC* (2009): Rare island species 'undervalued'. May.

*New Scientist* (2009): Invest in islands to save most species. May.

*ScienceDaily* (2010): 'Weedy' Bird Species May Win As Temperatures Rise. June.

*Scientific American* (2009): Islands of species richness. May.

*ABC Australia* (2009): Habitat change as climate changes. Interview in "The Science Show".

*Discovery Channel* (2008): Number of Eggs in a Nest Depends on Climate. December.

*NSF News* (2008): Why Do Some Bird Species Lay Only One Egg? UC-San Diego Study Offers Some Answers. December.

*Scientific American* (2008): World without Frogs: Combined Threats May Croak Amphibians. October.

*Scientific American - Earth 3.0* (2008): Are Hotspots the Key to Conservation? October.

*PhysOrg* (2008): Study finds future 'battlegrounds' for conservation very different to those in past. March

*United Press International* (2007): Birds' extinction danger underestimated. December.

*Nature News* (2007). Ledford, H.: Bye-bye, birdie. doi:10.1038/news070604-2

*Science* (2007). Zimmer, C.: Predicting Oblivion: Are Existing Models Up to the Task? *Science* 317: 892-893.

*New Scientist* (2007). Schulz, N.: Up to 10% of land bird species endangered by 2050. *New Scientist*, 2607, 6.

*Current Biology* (2007). Williams, N.: Flowers but nowhere to go. *Current Biology*, 17, R262-R263

*United Press International* (2007): Global map of plant biodiversity created. April

*SpiegelOnline*:(2007): Klimawandel macht Deutschland bunter. April

*UPI* (2007): Global map of plant biodiversity created. March.

*Innovations Report* (2007): Links between species' ecological traits and environmental requirements guide conservation planners. March.

*Frankfurter Allgemeine Zeitung* (2007): Schwaegerl, C.: N2, Mai 2007 (piece on W. Jetz)

*Science* (2004). Buskirk S.: Keeping an Eye on the Neighbors. *Science*, 306, 238-239

*BBC Worldwide* (2004): Science in Action, 'Roaming Free'. Oct 15.

*Planet Earth* (2003) Watson, M. : Complexity more important than productivity. Spring 2003: 33.

*Trends in Ecology and Evolution* (2001). Kareiva, P.: Mapping the distribution of all terrestrial vertebrates. 16: 605.

*National Geographic* (2001). Enders, M.M.: Tropical Nightjars. German Edition. September, 2001