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**CURRICULUM VITAE
JANET FRANKLIN**

Department Geography
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Areas of Specialization

Conservation biogeography, global change biology, species distribution modeling, plant community ecology, spatial ecology, landscape ecology, geographic information science.

EDUCATION

1988 Ph.D., Geography, University of California, Santa Barbara.
1983 M.A., Geography, University of California, Santa Barbara.
1979 B.A., Environmental Biology, University of California, Santa Barbara. With High Honors.

PROFESSIONAL EXPERIENCE

2022-present Inaugural Endowed Campanile Foundation Professor, Center for Open Geospatial Sciences, Department of Geography, San Diego State University, San Diego, CA
2022-present Distinguished Professor Emerita, Department of Botany and Plant Sciences, University of California, Riverside, CA
2017-2022 Distinguished Professor and Distinguished Biogeographer, Department of Botany and Plant Sciences, College of Natural and Agricultural Resources, University of California, Riverside, CA
2017-2022 Cooperating Faculty Member, Department of Evolution, Ecology and Organismal Biology, University of California, Riverside, CA
2017-2022 Faculty Affiliated Member, Geospatial Sciences Center (GSC), University of California, Riverside
2017-2020 Adjunct Professor, School of Geographical Sciences and Urban Planning, Arizona State University
2016-2022 Associate Member, Centre for Coastal Paleoscience, Nelson Mandela University, Port Elizabeth, South Africa.
2015-2017 Regents' Professor, School of Geographical Sciences and Urban Planning, Arizona State University
2009-2015 Professor, School of Geographical Sciences and Urban Planning, Arizona State University
2009-2012 Professor, School of Life Sciences, Arizona State University, Tempe, AZ
2006-2009 Associate Chair, Department of Biology, San Diego State University
2002-2009 Professor, Department of Biology, San Diego State University
2002-2009 Adjunct Professor of Geography, San Diego State University
1995-2002 Professor, Department of Geography, San Diego State University

- 2001 Visiting Research Professor, Department of Geographical Sciences and Planning, University of Queensland, Brisbane, Qld, Australia (sabbatical)
- 1992-1995 Associate Professor, Department of Geography, San Diego State University
- 1989-1992 Assistant Professor, Department of Geography, San Diego State University
- 1989-2002 Co-Director, Center for Earth Systems Analysis Research, SDSU
- 1988-1989 Visiting Lecturer, Department of Geography, San Diego State University, San Diego, CA.
- 1984-1988 Postgraduate Researcher and Teaching Assistant, Department of Geography, University of California, Santa Barbara, CA.
- 1983-1984 Staff Scientist, Universities Space Research Association, Washington, DC. Planning support for NASA Pilot Land Data System.
- 1978-1983 Research Assistant, Remote Sensing Research Unit, Department of Geography, University of California, Santa Barbara, CA.

HONORS and AWARDS

- 2024 Distinguished Fellow of the [International Biogeography Society](#).
- 2021 [Distinguished Landscape Ecologist](#), International Association for Landscape Ecology – North America.
- 2020 [James. J. Parsons Award](#) for Outstanding Lifetime Achievement in Biogeography, Biogeography Specialty Group, American Association of Geographers
- 2017 Outstanding Service Award, Spatial Analysis and Modeling Specialty Group, Association of American Geographers.
- 2016- **Fellow, American Academy of the Arts and Sciences.**
- 2015- **Fellow, American Association for the Advancement of Science.**
- 2015- **Fellow, Ecological Society of America.**
- 2014 **Member, National Academy of Sciences, elected April 2014.**
- 2015-2017 Regents' Professor, Arizona State University.
- 2014-2017 Distinguished Sustainability Scientist, Global Institute of Sustainability, Arizona State University.
- 2012-2017 Honors Faculty, Barrett Honors College at Arizona State University.
- 2010-2014 Senior Sustainability Scientist, Global Institute of Sustainability, Arizona State University.
- 2011 Invited Keynote Speaker, National Environmental Observation Network (NEON) Members Meeting, Boulder, CO, Sep 16.
- 2008 Invited Visiting Scholar, Erasmus Mundus (European Union Education & Training): Geo-Information Science and Earth Observation for Environmental Modelling & Management (GEM), International Institute for Geo-Information Science & Earth Observation (ITC), Enschede, The Netherlands; University of Lund, Sweden; University of Southampton, UK (Aug-Sep).
- 2005 Distinguished Visitor Program, Women in Science, School of Biological, Environmental and Ecological Sciences (BEES), University of New South Wales, Sydney, Australia (13-17 Oct)
- 2001 Recognition of appreciation for outstanding service to the Association of American Geographers as Editor of *The Professional Geographer*, 3 March, New York, NY.

- 1999 Top 25 Award for Scholarship, Office of the President, San Diego State University.
- 1993-1995 Save the Earth Foundation Award for Environmental Research in the San Diego Region.
- 1990 Elected Member, Phi Beta Delta.
- 1989 Elected Member, Sigma Xi.
- 1987-1988 UCSB General Affiliates Graduate Dissertation Fellowship.
- 1984-1987 NASA Graduate Researchers Fellowship.
- 1976-1977 Chancellors Scholar, University of California, Santa Barbara.

MEMBERSHIP & SERVICE TO PROFESSIONAL AND HONORARY SOCIETIES

- National Academy of Sciences, Engineering and Medicine, USA (2014-present)
 Member, Committee to Review Draft National Climate Assessment 5 (2022-2023)
 Member, Geographical and Geospatial Sciences Committee 2022-2024
 Member, Geographical Sciences Committee, 2019-2021;
Co-Chair, Climate Change & Ecosystems Joint NAS-Royal Society Forum (2018)
- American Association for the Advancement of Science (2009-present) (member 40426539)
 2017-2020, Chair-Elect (2017), **Chair** (2018), Retiring Chair (2019),
 Nominating Committee (2019), Section on Geology & Geography
- American Academy of Arts and Sciences (2015-present)
 2017-2018, Section Nomination Committee
- International Union for the Conservation of Nature (IUCN)
 2014-present, Member, **Red List of Ecosystems (RLE) Committee for Scientific Standards** and RLE Thematic Group (D. Keith, Chair)
- International Association of Landscape Ecology – North America (since 1989)
 2019-2022, Member, Local Organizing Committee, Annual Symposium 2022
 2016-2019, Member, Nominating Committee
 2014-2016, **President**
 2013-2014, *President-elect*
 2012-2014, Member, Meeting Site Selection Committee
 2010-2012, Chair, Meeting Site Selection Committee
 2010-2012, Councilor-at-Large, Executive Committee
 2008-2010, Member, Meeting Site Selection Committee
 2006 Chair, Organizing Committee, US-IALE Annual Symp. San Diego
- International Association for Vegetation Science (since 1988)
 2006-2007 **Chair** of IAVS-North America
 2004-2005 Vice-Chair of IAVS-North America
- Ecological Society of America (since 1983)
 2015-2016, Member, Selection Committee, MacArthur Award
 2015-2018, Member, Executive Committee, Vegetation Classification Panel
 2013-2018, Member, **Vegetation Classification Panel** (advances the US National Vegetation Classification in cooperation with the US Federal Geographical Data Committee)
 1995-97, Cooper Award Subcommittee, Awards Committee

American Association of Geographers (since 1988)

2020-2023, Research Grants Committee, member

1995-97, Regional Councilor, Remote Sensing Specialty Group

1992, Program Committee, Annual Meeting, San Diego CA

1991-93, Elected Board Member, Biogeography Specialty Group

Association for Fire Ecology (AFE) (2006-2009)

American Society of Photogrammetry and Remote Sensing (1984-2002)

1991, Selection Committee, Autometric Award for Outstanding Technical
Publication on Photographic Interpretation

EDITORIAL APPOINTMENTS

- 2019-present **Deputy Editor-in-Chief, *Frontiers of Biogeography***, International Biogeography Society (appointed 8/9/19).
- 2022-2023 Guest Co-Editor (with Glen MacDonald), *Phil Proceedings of the National Academy of Sciences, USA*, Special Feature on “Climate Change and California Sustainability – Challenges and Solutions”
- 2018-2019 Guest Editor, *Phil. Trans. Royal Soc. B*, National Academy of Sciences - Royal Society Sackler Forum Themed Issue on “Climate change and ecosystems: threats, challenges and the role of nature-based solutions”
- 2018-2022 Member, Editorial Board, the Ecology, Biodiversity and Conservation Series of books, Cambridge University Press
- 2014-present Subject Matter Editor, *Proceedings of the National Academy of Sciences, USA*
- 2014-present Member, Board of Editors, *Geographical Analysis*
- 2010-2020 Guest Co-editor, 5th Special Issue on Spatial Ecology, *International Journal of GIScience* ##(#), 2020; 4th Special Issue 30(1), 2016; 3rd Special Issue, 28(8), 2014; 2nd Special Issue, 26(11), 2012; 1st Special Issue 25(3), 2011
- 2016-2019 **Editor-in-Chief, *Diversity and Distributions*** (>500 submissions per year)
- 2011-2015 Subject Matter Editor, Editorial Board, *Ecological Applications* (ESA)
- 2008-2015 Subject Matter Editor, Editorial Board, *Diversity and Distributions*
- 2013 Guest Editor, Virtual Issue: Species distribution models in conservation biogeography, *Diversity & Distributions* http://onlinelibrary.wiley.com/journal/10.1111/%28ISSN%291472-4642/homepage/sdm_virtual_issue.htm
- 2010-2013 Subject Matter Editor, Editorial Board, *Ecography*
- 2006-2011 Subject Matter Editor, Editorial Board, *Ecology, Ecological Monographs* (ESA)
- 1999-2006 **Associate Editor, *Journal of Vegetation Science***
- 2000-2005 Subject Matter Editor, Editorial Board, *Landscape Ecology* (IALE)
- 1997-2000 **Co-Editor-in-Chief, *The Professional Geographer*** (with Stuart Aitken) (AAG)
- 1997-1999 Member, Editorial Board, *Journal of Vegetation Science* (IAVS)
- 1995-1997 Member, Editorial Board, *The Professional Geographer* (AAG)

PUBLICATIONS ([Google Scholar](#))

Books

- 2010 **Franklin, J.**, *Mapping Species Distributions: Spatial Inference and Prediction*, Cambridge University Press, Cambridge, UK. ISBN 978-0-521-87635-3 hb; 978-0-521-7002-3 pb. 338 pp.

Edited Books

- 2013 van der Maarel, E. and **Franklin, J.** (eds.), Jan 2013. *Vegetation Ecology, 2nd ed.*, John Wiley & Sons, West Sussex, UK. 530 p. ISBN: 978-1-4443-3888-1

Refereed Journal Articles (student coauthors underlined; *postdoctoral associates)

2023

183. *Grobler, B.A., Franklin, J., Marean, C.W, Gravel-Miguel, C., Cowling, R.M., IN PRESS, The importance of C₃ and C₄ grasses and CAM shrubs in the Greater Cape Floristic Region under contemporary and Last Glacial Maximum climates, *Quaternary Science Reviews*
182. Olsson, L., Crews, T., **Franklin, J.**, King, A., Mirzabaev, A., Scown, M., Tergberg, A., Villarino, S., Yafei, W., 2023, The state of the world's arable land (invited review), [Annual Review of Environment and Resources](#) IN PRESS
181. Ramachandran, A.; Huxley, J.; McFaul, S.; Schauer, L.; Diez, J.; Boone, R.; Madsen-Hepp, T.; McCann, E.; **Franklin, J.**; Logan, D.; Rose, M. B.; Spasojevic, M., 2023, Integrating ontogeny into community assembly: the importance of ontogenetic dependency, *Journal of Ecology* 111:1561–1574 DOI: 10.1111/1365-2745.14132
180. **Franklin, J.**, 2023, Species distribution modeling supports the study of past, present and future biogeographies (Invited Perspective), *Journal of Biogeography* 50: 1553-1545 <https://doi.org/10.1111/jbi.14617>
179. *Backus, G., Rose, M.B., *Velazco, S.J.E., Syphard, A.D., **Franklin, J.**, Regan, H.M., 2023, Modeling the effects of spatially explicit patterns of climate and fire on future populations of a fire-dependent plant, *Frontiers in Ecology & Evolution* 11:1149509 doi: 10.3389/fevo.2023.1149509
178. Madsen-Hepp, T., McFaul, S., Schauer, L., Solis, M., **Franklin, J.**, Spasojevic, M., 2023, Functional traits mediate idiosyncratic range shifts in response to climate change, *Function Ecology* 37: 1449–1462. doi.org/10.1111/1365-2435.14308
177. Keegan, W., Steadman, D.W, LeFebvre, M., Wallis, N., Bloch, L., Albury, N., **Franklin, J.**, and Kracht, E., 2023, Island Colonization and Human-Environment Interactions on the Edges of the Tropics: Archaeology of the Taíno Frontier (Northern Bahamas), *Journal of Field Archaeology* 48: 297-314. <https://doi.org/10.1080/00934690.2023.2179188>
176. Rose, M.B., *Velazco, S.J.E., **Franklin, J.** Regan, H.M, 2023, Disentangling the effects of rarity and geography on plant exposure to global change in the California Floristic

Province, *Global Ecology & Biogeography* 32(2):218-232. <https://doi.org/10.1111/geb.13618>

2022

175. Ibanez, T., Platt, W.J., Bellingham, P.J., Vieilledent, G. **Franklin, J.**, Martin, P.H., Menkes, C., Salicrup, D.R.P., Russell-Smith, J., Keppel, G., 2022, Altered cyclone–fire interactions are changing ecosystems, *Trends in Plant Sciences* 27(12):1218-1230 <https://doi.org/10.1016/j.tplants.2022.08.005>
174. Keith, David A., J. R. Ferrer-Paris , E. Nicholson , M. J. Bishop , B. A. Polidoro , E. Ramirez-Llodra , M. G. Tozer , J. L. Nel , R. Mac Nally , E. J. Gregr , K. E. Watermeyer , F. Essl , D. Faber-Langendoen , **J. Franklin** , C. E. R. Lehmann , A. Etter , D. J. Roux , J. S. Stark , J. A. Rowland , N. A. Brummitt , U. C. Fernandez-Arcaya , Iain M. Suthers , Susan K. Wiser , Ian Donohue , Leland J. Jackson , R. Toby Pennington , T. M. Iliffe , V. Gerovasileiou , P. Giller , B. J. Robson , N. Pettorelli , A. Andrade , A. Lindgaard , T. Tahvanainen , A. Terauds , M. A. Chadwick , N. J. Murray , J. Moat , P. Plissock , I. Zager , R. T. Kingsford, 2022, A function-based typology of Earth's ecosystems, *Nature* 610:513-518. <https://www.nature.com/articles/s41586-022-05318-4>
173. Jenerette, D., Anderson, K., Cadenasso, M., Fenn, M., **Franklin, J.**, Goulden, M., Larios, L., Pincetl, S., Regan, H., Rey, S.J., Santiago, L., Syphard, A.D., 2022, An Expanded Framework for Wildland-Urban Interfaces and their Management, *Frontiers of Ecology and the Environment* 20(9):516-523. doi:10.1002/fee.2533
172. Andrade, R., Larsen, K.L., **Franklin, J.**, Lerman, S.B., Bateman, H.L., Warren, P.S., 2022, Species traits explain public perceptions of human-bird interactions, *Ecological Applications* 32: e2676 (12/22) <https://doi.org/10.1002/eap.2676>
171. *Velazco, S.J.E., de Andrade, A.F.A., Rose, M.B., Minolo, I., **Franklin, J.**, 2022, *flexsdm*: An R package for supporting a comprehensive and flexible species distribution modeling workflow, *Methods in Ecology and Evolution* 13:1661-1669; <https://doi.org/10.1111/2041-210X.13874>
170. Peterson, A. T., M. E. Aiello-Lammens, R. P. Anderson, M. E. Cobos, J. A. F. Diniz-Filho, L. E. Escobar, X. Feng, **J. Franklin**, L. M. R. Gadelha Jr., K. Ingenloff, S. Jarvie, L. Jiménez, D. N. Karger, J. M. Kass, M. R. Kearney, R. Loyola, F. Machado-Stredel, E. Martínez-Meyer, C. Merow, M. K. Mondelli, S. R. Mortara, R. Muscarella, C. E. Myers, B. Naimi, Daniel Noesgaard, Ian Ondo, Luis Osorio-Olvera, Hannah L. Owens, R. Pearson, G. E. Pinilla-Buitrago, A. Sánchez-Tapia, E. E. Saupe, W. Thuiller, S. Varela, D. L. Warren, J. Wiczorek, K. Yates, G. Zhu, G. Zuquim, D. Zurell, 2022, EMN2020: A free online course and set of resources on modeling species niches and distributions. *Biodiversity Informatics* 17:1-5. <https://doi.org/10.17161/bi.v17i.15016> <https://journals.ku.edu/jbi/article/view/15016>

2021

169. **Franklin, J.**, Regan, H. M., Syphard, A. D., 2021. A framework linking biogeography and species traits to plant species vulnerability under global change in Mediterranean-type

Ecosystems, *Frontiers of Biogeography* 13.4, e51254 DOI: 10.21425/F5FBG51254
<https://escholarship.org/uc/item/5qf5p307>

168. Ocón, J.P., Ibanez, T., **Franklin, J.**, Pau, S., Keppel, G., Rivas-Torres, G., Shin, M.E., Gillespie, T.W., 2021, Global tropical dry forest extent and cover: A comparative study of bioclimatic definitions using two climatic data sets, *PLoS One* 16(5): e0252063
<https://doi.org/10.1371/journal.pone.0252063> Published 5/21/21
167. Zarnaske, P., Gurevitch, J., **Franklin, J.**, Groffman, P., Harrison, C., Hellmann, J., Hoffman, F., *Kothari, S., Robock, A., Tilmes, S., *Visioni, D., Wu, J., Xia, L., Yang, C.-E., 2021, Potential ecological impacts of climate intervention by reflecting sunlight to cool Earth (Perspective), *Proceedings National Academy of Sciences, USA*, DOI 10.1073/pnas.1921854118166]
166. Inman, R., **Franklin, J.**, Esque T., Nussear, K., 2021, Comparing sample bias correction methods for species distribution modeling using virtual species, *Ecosphere* 12(3): e03422. <https://esajournals.onlinelibrary.wiley.com/doi/10.1002/ecs2.3422>
165. *Swanson, H.A., J.-C. Svenning, *A. Saxena, *R. Muscarella, **J. Franklin**, M. Garbelotto, A.S. Matthews, O. Saito, A.E. Schnitzler, J. M. Serra-Diaz, A.L. Tsing, 2021, History as grounds for interdisciplinarity: Promoting sustainable woodlands through an integrative ecological and socio-cultural historical perspective, *One Earth* 4:226-237.
<https://doi.org/10.1016/j.oneear.2021.01.006> Published 2/21/21
164. Franklin Rey, S.R., **Franklin, J.**, Rey S.J., 2021, Microplastic pollution on island beaches, Oahu, Hawai'i, *PLoS ONE* 16(2): e0247224. <https://doi.org/10.1371/journal.pone.0247224>
 Published 2/18/21
163. Andrade, R., **Franklin, J.**, Larsen, K.L., Swan, C., Lerman, S.B., Batemen, H.L., Warren, P.S., York, A., 2021, Predicting the assembly of novel communities in urban ecosystems, *Landscape Ecology* 36:1-15. <https://doi.org/10.1007/s10980-020-01142-1>

2020

162. Steadman, D.W., **Franklin, J.**, 2020. Bird populations and species lost to late Quaternary environmental change and human impact in the Bahamas. *Proceedings Nat'l Academy Sci.* 117(43):26883-26841 www.pnas.org/cgi/doi/10.1073/pnas.2013368117.
161. ***Muscarella, R.**, Emilio, T., Phillips, O.L., Lewis, S.L., Slik, F., Baker, W.J., Couvreur, T.L.P., Eiserhardt, W.L., Svenning, J.-C., Affum-Baffoe, K., Aiba, S.-I., de Almeida, E.C., de Almeida, S.S., de Oliveira, E.A., Álvarez-Dávila, E., Alves, L.F., Alvez-Valles, C.M., Carvalho, F.A., Guarin, F.A., Andrade, A., Aragão, L.E.O.C., Murakami, A.A., Arroyo, L., Ashton, P.S., Corredor, G.A.A., Baker, T.R., de Camargo, P.B., Barlow, J., Bastin, J.-F., Bengone, N.N., Berenguer, E., Berry, N., Blanc, L., Böhning-Gaese, K., Bonal, D., Bongers, F., Bradford, M., Brambach, F., Brearley, F.Q., Brewer, S.W., Camargo, J.L.C., Campbell, D.G., Castilho, C.V., Castro, W., Catchpole, D., Cerón Martínez, C.E., Chen, S., Chhang, P., Cho, P., Chutipong, W., Clark, C., Collins, M., Comiskey, J.A., Medina, M.N.C., Costa, F.R.C., Culmsee, H., David-Higuita, H., Davidar, P., del Aguila-Pasquel, J., Derroire, G., Di Fiore, A., Van Do, T., Doucet, J.-L., Dourdain, A., Drake, D.R., Ensslin, A., Erwin, T., Ewango, C.E.N., Ewers, R.M., Fauset, S., Feldpausch, T.R., Ferreira, J., Ferreira, L.V., Fischer, M., **Franklin, J.**, Fredriksson, G.M., Gillespie, T.W., Gilpin, M., Gonmadje, C., Gunatilleke, A.U.N., Hakeem, K.R., Hall, J.S., Hamer, K.C., Harris, D.J., Harrison, R.D., Hector, A., Hemp, A., Herault, B., Pizango, C.G.H., Coronado, E.N.H., Hubau, W., Hussain, M.S., Ibrahim, F.-H., Imai, N., Joly, C.A., Joseph, S., K, A., Kartawinata, K., Kassi, J., Killeen, T.J., Kitayama, K., Klitgård, B.B., Kooyman, R., Labrière, N., Larney, E., Laumonier, Y., Laurance, S.G., Laurance, W.F., Lawes, M.J., Levesley, A., Lisingo, J., Lovejoy, T., Lovett, J.C., Lu, X., Lykke, A.M., Magnusson, W.E., Mahayani, N.P.D., Malhi, Y., Mansor, A., Peña, J.L.M., Marimon-Junior, B.H., Marshall, A.R., Melgaco, K., Bautista, C.M., Mihindou, V., Millet, J., Milliken, W., Mohandass, D., Mendoza, A.L.M., Mugerwa, B., Nagamasu, H., Nagy, L., Seaturien,

- N., Nascimento, M.T., Neill, D.A., Neto, L.M., Nilus, R., Vargas, M.P.N., Nurtjahya, E., de Araújo, R.N.O., Onrizal, O., Palacios, W.A., Palacios-Ramos, S., Parren, M., Paudel, E., Morandi, P.S., Pennington, R.T., Pickavance, G., Pipoly III, J.J., Pitman, N.C.A., Poedjirahajoe, E., Poorter, L., Poulsen, J.R., Rama Chandra Prasad, P., Prieto, A., Puyravaud, J.-P., Qie, L., Quesada, C.A., Ramirez-Angulo, H., Razafimahaimodison, J.C., Reitsma, J.M., Requena-Rojas, E.J., Correa, Z.R., Rodriguez, C.R., Roopsind, A., Rovero, F., Rozak, A., Lleras, A.R., Rutishauser, E., Rutten, G., PUNCHI-Manage, R., Salomão, R.P., Van Sam, H., Sarker, S.K., Satdichanh, M., Schiatti, J., Schmitt, C.B., Marimon, B.S., Senbeta, F., Nath Sharma, L., Sheil, D., Sierra, R., Silva-Espejo, J.E., Silveira, M., Sonké, B., Steininger, M.K., Steinmetz, R., Stévant, T., Sukumar, R., Sultana, A., Sunderland, T.C.H., Suresh, H.S., Tang, J., Tanner, E., ter Steege, H., Terborgh, J.W., Theilade, I., Timberlake, J., Torres-Lezama, A., Umuay, P., Uriarte, M., Gamarra, L.V., van de Bult, M., van der Hout, P., Martinez, R.V., Vieira, I.C.G., Vieira, S.A., Vilanova, E., Cayo, J.V., Wang, O., Webb, C.O., Webb, E.L., White, L., Whitfield, T.J.S., Wich, S., Willcock, S., Wiser, S.K., Young, K.R., Zakaria, R., Zang, R., Zartman, C.E., Zo-Bi, I.C. & Balslev, H. **The global abundance of tree palms**, *Global Ecology & Biogeography* 29:1495-1514 DOI: 10.1111/geb.13123. [A Top Downloaded Article.](#)
160. Zurell D, **Franklin J**, König C, Bouchet PJ, Serra-Diaz JM, Dormann CF, Elith J, Fandos Guzman G, Feng X, Guillera-Arroita G, Guisan A, Leitão PJ, Lahoz-Monfort JJ, Park DS, Peterson AT, Rapacciuolo G, Schmatz DR, Schröder B, Thuiller W, Yates KL, Zimmermann NE, Merow C, 2020, A standard protocol for describing species distribution models *Ecography*. 43: 1261-1277 DOI: 10.1111/ecog.04960. [A Top Downloaded Article.](#)
159. Huang, Y., Morrison, G., Brelsford, A., **Franklin, J.**, Jolles, D.D., Keeley, J., Parker, V.T., Saavedra, N., Sanders, A., Stoughton, T.R., Walhert, G., Litt, A., 2020, Subspecies differentiation in an enigmatic chaparral shrub species, *American Journal of Botany* 107(6):923-940 doi:10.1002/ajb2.1496..
158. Marean, C.W., Cowling, R.M., **Franklin, J.**, 2020, The Palaeo-Agulhas Plain: Temporal and spatial variation in an extraordinary, extinct ecosystem of the Pleistocene of the Cape Floristic Region, *Quaternary Science Reviews* 235:106161 (Special Issue) <https://doi.org/10.1016/j.quascirev.2019.106161>
157. Kraaij, T., Engelbrecht, F., **Franklin, J.**, Cowling, R.M., 2020, A fiery past: a comparison of glacial and contemporary fire regimes on the Palaeo-Agulhas Plain, Cape Floristic Region, *Quaternary Science Reviews* 235:105866 (Special Issue) <https://doi.org/10.1016/j.quascirev.2019.106059>
156. Cowling, R.M., *Potts, A., **Franklin, J.**, Midgley, G.F., and Marean, C.W., 2020, Describing a drowned ecosystem: Last Glacial Maximum vegetation reconstruction of the PalaeoAgulhas Plain, *Quaternary Science Reviews* 235:106059 (Special Issue) <https://doi.org/10.1016/j.quascirev.2019.105866>
155. Wren, C., Botha, S., Harris, J.A., Venter, J., **Franklin, J.**, Wood, B.W., Hill, K., Shook, E., Marean, C. W., Fisher, E.C., Cowling, R.M., Janssen, M.A., de Vynk, J., 2020, The foraging potential of the Holocene Cape South Coast of South Africa without the Palaeo-Agulhas Plain, *Quaternary Science Reviews* 235:105789 (Special Issue) <https://doi.org/10.1016/j.quascirev.2019.06.012>
154. Rowan, J., Beaudrot, L., **Franklin, J.**, Reed, K. E., Smail, I. E., Zamora, A., Kamilar, J. M., 2020, Divergent evolutionary and ecological legacies shape large mammal biodiversity in the global tropics and sub-tropics, *Proceedings of the National Academy of Sciences* 117(3):1559-1565. www.pnas.org/cgi/doi/10.1073/pnas.1910489116

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Other Publications: Editorials, Commentaries, Letters, Book and Conference Reviews

- 2023 Whittaker, R.J., **Franklin, J.**, Ladle, R.J., La Sorte, F.A., Schiebelhut, L.M. Community science biogeography (Editorial), *Frontiers of Biogeography* 15(1)
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- 2020 Miller, J., Laffan, S. W., A. K. Skidmore and **J. Franklin**, Modeling movement, distribution, diversity, and disturbance (editorial introduction to the 5th special issue on spatial ecology), *International Journal of Geographical Information Science* 34(8):1504-1507.
- 2020 Malhi, Y., **J. Franklin**, C. Field N. Knowlton, N. Seddon, M. Solan, M.G. Turner, Introduction: Climate Change and Ecosystems -- Threats, Opportunities and Solutions, *Phil. Trans. Royal. Soc. B*, 375(1794):20190104. <https://doi.org/10.1098/rstb.2019.0104> (editorial introduction to the Themed Issue on the National Academy of Science USA - Royal Society UK Forum on Climate Change and Ecosystems)
- 2019 Serra-Diaz, J.M. and **Franklin, J.** Editorial: What’s hot in conservation biogeography in a changing climate? Going beyond species range dynamics (introduction to the special issue on conservation biology in a changing climate), *Diversity and Distributions* 25(4):492-498.
- 2019 McGill, B., Araújo, M., **Franklin, J.**, Linder, H.P. and Dawson, M.N. Editorial: Writing the future of biogeography, *Frontiers of Biogeography* 10(3-4). 10.21425/F5FBG41964
- 2018 Underwood, E., **Franklin, J.**, Molinari, N. and Safford, H., Global Change and the Vulnerability of Chaparral Ecosystems (report on the 2018 Chaparral Symposium), *Bulletin of the Ecological Society of America* 99(4):e01460
- 2017 Steadman, D.W. and **Franklin, J.** Reply to Benkman: Hispaniolan crossbills formerly resided in the Bahamas. Letter. *Proceedings of the National Academy of Sciences, USA*
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- 2016 **Franklin, J.**, *Diversity and Distributions* is (still) a journal of conservation biogeography (Editorial), *Diversity and Distributions* 22:1-2. DOI: 10.1111/ddi.1240
- 2016 Laffan, S. W., A. K. Skidmore and **J. Franklin**, Space, time, connectivity and conflict in biological landscapes: introduction to the 4rd special issue on spatial ecology, *International Journal of Geographical Information Science* 30(1):1-4.
10.1080/13658816.2015.1090001
- 2015 Gutzwiller, K. J., Dibble, E. D. and **Franklin, J.**, In memoriam: Samuel K. Riffell (1970-2014). *Landscape Ecology* 30:959-962.
- 2015 Franklin, S. and the Ecological Society of America (ESA) Panel on Vegetation Classification, How can a national vegetation classification help ecological research and management? *Frontiers of Ecology and the Environment* 15:185-186

- 2014 Laffan, S. W., A. K. Skidmore and **J. Franklin**, Species diversity and distribution, habitat selection and connectivity: introduction to the 3rd special issue on spatial ecology, *International Journal of Geographical Information Science* 28(8):1527-1530. <http://dx.doi.org/10.1080/13658816.2014.902950>
- 2012 UCSB Geography in the 1980s: A Mini-Memoir from Janet Franklin. UCSB Department of Geography News.
- 2012 Laffan, S. W., A. K. Skidmore and **J. Franklin**, Geospatial analysis of species, biodiversity and landscapes: introduction to the second special issue on spatial ecology, *International Journal of Geographical Information Science* 26(11):2003-2007. DOI 10.1080/13658816.2012.721557
- 2012 **Franklin, J.**, Back of the envelope: climate change and species distributions, *British Ecological Society Bulletin* 43(1): 28-30.
- 2009 Aspinall, R. J., J. A. Miller and **J. Franklin**. Calculations on the back of the climate envelope: addressing the geography of species distributions. *Proceedings of the National Academy of Sciences, USA* 106(16): E44. 10.1073/pnas.0809891106.
- 2005 Wilson, J. B., P. S. White, J. P. Bakker. S. Diaz and **J. Franklin**, Functional signatures, epizoochory, and mapping forest from satellites: Editor's Award, *Applied Vegetation Science* Vol. 8 pp. 1-2.
- 2003 **Franklin, J.**, Book review of *Biogeography: Introduction to Space, Time and Life*. Glen MacDonald. New York: John Wiley and Sons, Inc. 2003, *The Professional Geographer*, vol. 55, no. 2, pp. 283-285.
- 2000 Aitken, S. C and **Franklin, J.** In Retrospect: The Shaping of The Professional Geographer. *The Professional Geographer* 52:591-593. DOI: 10.1111/0033-0124.00248
- 1998 Aitken, S. C and **Franklin, J.** A semicentennial celebration: placing The Professional Geographer. *The Professional Geographer* 50:1-2. DOI: 10.1111/0033-0124.00098
- 1995 **Franklin, J.**, Geographical analysis supports ecosystem management [book review of *Remote sensing and GIS in ecosystem management*, V.A. Sample (ed.), Island Press, Washington D.C., 1994], *Ecology*, vol. 76, no. 6, pp. 2016-2017.

SPONSORED RESEARCH

Extramural Grants and Contracts

Proposals Pending

- 2024-2025 Collaborative Research: Archaeological analysis and dynamic modeling of ecosystem change and adaptive human foraging during the Middle Stone Age of

South Africa (lead PI C. Wren, Univ Colorado, Colorado Springs). Award (SDSU): \$108,758.

- 2023-2025 Assessing multicriteria climate change resilience with high-spatial resolution frameworks. UC Climate Action 2023 (JF Co-I; PI: James Thorne, UC Davis) Award: \$1,443,476.
- 2023-2025 Collaborative of Native Nations for Climate Transformation and Stewardship (CNNCTS). UC Climate Action 2023 (JF Co-I; PI: Megan Jennings, SDSU) Award: \$7,100,076.

Active Grants

- 2022-2023 Training a New Generation of Plant Biologists for the Future of Agriculture and Ecosystem Sustainability, U.S. Department of Education, Graduate Assistance in Areas of National Need (GAANN) Fellows Training Grant. (JF Co-PI; PI: Thomas Eulgem, Botany & Plant Sciences, UCR) Award: \$910,000.
- 2020-2024 Resilient Restoration: Advancing Ecological, Cultural, and Community Resilience with Tribal Nations in Southern California, State of California Strategic Growth Council – Climate Change Research Program (Award No. CCR30009). (JF Co-PI; PI: H. Regan, UCR). Award: \$990,350. 10/1/20-3/31/24.
- 2019-2023 Does Geography Play a Bigger Role Than Species Traits in Explaining Vulnerability of Plants to Global Change? National Science Foundation – Geography and Spatial Sciences (BCS- 1853697) (JF Co-PI; PI: H. Regan, UCR). Award: \$450,000. 9/1/19-8/31/23.
- 2019-2023 Conservation Grazing Evaluation for Cajon Creek Habitat Conservation Management Area, Vulcan Materials Company Foundation. (JF Co-PI; PI: L. Larios, UCR). Award: \$75,000.
- 2021-2022 Sustainable and resilient natural ecosystems in California in an era of global change, Agricultural Experiment Research and Graduate Student Researcher Funding Support Program, College of Natural and Agricultural Sciences – UC Riverside Agricultural Experiment Station Mission Funding, US Department of Agriculture, \$8,500.
- 2018-2022 Ecological Support for the Powerhouse Fire, USDA Forest Service. (JF Co-PI; PI: L. Larios, UCR). Award: \$288,497

Completed Grants

- 2020-2021 Sustainable and resilient natural ecosystems in California in an era of global change, Agricultural Experiment Research and Graduate Student Researcher

- Funding Support Program, College of Natural and Agricultural Sciences – UC Riverside Agricultural Experiment Station Mission Funding, US Department of Agriculture, \$12,054.
- 2015-2019 Avifauna Persistence and Vulnerabilities: Island Biogeography Across Long Time Scales, National Science Foundation – Geography and Spatial Sciences (BCS-1461496) (PI: D. Steadman, UF). Total award: \$474,000; Subaward to J. Franklin: \$130,000.
- 2015-2018 Collaborative Research: EAGER-NEON: How do Microscale Biophysical Processes Mediate Ecosystem Shifts during Climate Change-driven Drought? National Science Foundation (1550640). PIs: **J. Franklin**: \$216,000; F.W. Davis UCSB: \$65,000.
- 2011-2017 IPG - Developing and Testing an Integrated Paleoscape Model for the early Middle and Late Pleistocene of the South Coast of South Africa. National Science Foundation – Archaeology (BCS 1138073) (PI: C. Marean, ASU; co-I: **J. Franklin**) \$1,000,000.
- 2011-2017 Collaborative Research: Do microenvironments govern macroecology? PI: Frank Davis, UC Santa Barbara, in collaboration with UC Riverside, UC Berkeley, UC Los Angeles, Arizona State University, Conservation Biology Institute, Desert Research Institute, Conservation International. National Science Foundation – Macrosystems Biology (EF-1065864) (Co-I: **J. Franklin**, ASU EF-1065826). Total award: \$3,563,000; ASU: \$276,000.
- 2011-2015 Collaborative Research: Long-Term Dynamics and Resilience of Terrestrial Plant and Animal Communities in the Bahamas. In collaboration with University of Florida. National Science Foundation – Geography and Spatial Sciences (BCS-1118340) (PIs: **J. Franklin**, ASU; D. Steadman, UF). Total award: \$410,000; ASU: \$250,000.
- 2011-2012 Decision support for climate change adaptation and fire management strategies for at risk species in southern California. California Land Conservation Cooperative (PI: H. Regan, \$100,000 awarded to UC-Riverside; JF commitment ASU in-kind support)
- 2010-2016 CAP3: Urban Sustainability In The Dynamic Environment Of Central Arizona USA. National Science Foundation (PI: Nancy Grimm, \$1M. Franklin: Senior Personnel).
- 2010-2012 Development of Fire Management Tools to Maximize Training Days and Minimize Habitat Conversion at Marine Corps Base Camp Pendleton. Department of Defense - Navy, Colorado Plateau Cooperative Ecosystems Studies Unit (CESU) Cooperative Agreement. \$18,000.

- 2008-2012 Collaborative Research: The persistence of biodiversity in southern California under future land-use scenarios, National Science Foundation (DEB 0824708) (PI: H. Regan, UC-Riverside) UCR \$324,000; ASU \$124,000 (**J. Franklin**, Co-PI).
- 2010-2011 Climate change impacts on plant functional groups in a biodiversity hotspot. Department of Energy National Institute for Climatic Change Research (NICCR) (DE-FC02-06ER64159). (PI: H. Regan, UC-Riverside; Co-PI: **J. Franklin**, ASU) UCR \$79,544; ASU \$45,456 (1 yr).
- 2007-2008 Assessing terrestrial plant communities in the San Diego Multiple Species Conservation Plan, (Co-Investigator with D. Deutschman, PI), California State Department of Fish & Game. \$150,000.
- 2006-2007 Status of the Torrey Pine (*Pinus torreyana*) at Torrey Pines State Reserve, Torrey Pines Association. \$15,003 (18 mos).
- 2005-2009 Collaborative Research: Spatial inference and prediction with biogeographical data, National Science Foundation BSC-0452389 4/05-3/09, (Co-PIs: R. Fisher, USGS; Collaborating PI: J. Miller, Univ. Texas - Austin) \$142,369 (SDSU).
- 2005-2007 Assessing and improving the San Diego Multiple Species Conservation Program (MSCP) Biological Monitoring Plan, (Co-PIs: H. Regan and D. Deutschman), California State Department of Fish & Game. \$199,936.
- 2004-2009 Post-Cedar fire mixed conifer-hardwood monitoring and regeneration survey at Cuyamaca Rancho State Park, San Diego, California. California Department of Parks & Recreation, Colorado Desert District. \$100,399.
- 2000-2003 Operational monitoring of alteration in regional forest cover using multitemporal remote sensing data, (Co-PI: D. Stow), NASA Land Use and Land Cover Change Program, Office of Earth Science. \$274,311.
- 1999-2003 The Effect of Land Management on Fire Regimes and Landscape-Scale Vegetation Patterns in the Transverse and Peninsular Mountain Ranges of Southern California, National Science Foundation Geography and Regional Science Program, \$180,000.
- 1999-2002 Regional change monitoring of habitat reserve systems with very high resolution remotely sensed data (Co-Investigator with D. Stow, PI), NASA NRA-98-OES-09, \$470,000.
- 1999-2002 Implementation of predictive soil modeling in the National Cooperative Soil Survey (Co-Investigator with Oliver Chadwick, UC-Santa Barbara, PI), NASA NRA-98-OES-09, \$386,651 (SDSU: \$34,200).

- 1998-1999 Biogeographic distribution of herpetofauna in San Diego County, U.S. Geologic Survey -- Biological Resources Division, \$9,143.
- 1997-2000 Mojave Desert Ecosystem Initiative: Vegetation Mapping Using GIS and Predictive Modelling, US Geologic Survey -- Biological Resources Division, \$240,000.
- 1997-1998 Decision rules for accuracy assessment of vegetation maps, USDA Forest Service Region 5 Remote Sensing Lab, \$24,500.
- 1996-1997 Changing Land Use Patterns Along the United States-Mexican Border: Effects on Ecosystem Structure and Climate Feedbacks, US-EPA and Southwest Center for Environmental Research and Policy (SCERP), (Co-PI with J Klopatek, R Balling, A Brazel, Arizona State University), \$118,326 (SDSU subcontract: \$17,594).
- 1993-1997 Mapping the Existing Vegetation in Four National Forests in Southern California and the Sierra National Forest Using Remote Sensing and Digital Terrain Data, USDA Forest Service Region 5. \$1,222,000.
- 1994-1996 Effects of Disturbance on Biogeography of Tongan Plants and Birds. National Geographic Society Committee on Research and Exploration, \$28,401.
- 1994 Evaluation of Vegetation Data Collected in Anza Borrego State Park, California Department of Parks and Recreation, \$3,000.
- 1991-1993 Mapping Vegetation Stands Using Image Segmentation for Management, Monitoring and Modeling in the Pine Creek Watershed, Cleveland National Forest. USDA Forest Service Cooperative Agreement. \$38,000.
- 1991 Evaluating the Use of Satellite Imagery for Regional Vegetation Mapping. San Diego Association of Governments (Co-P.I.: D. Stow). \$10,000.
- 1990-1994 Canopy Reflectance Modeling of Semiarid Vegetation. National Aeronautics and Space Administration. \$174,000.
- 1989-1990 Improved Methods for Monitoring Vegetation Structure and Change for Input to Landscape-Scale Ecosystem Process Models. National Science Foundation, Career Advancement Award. \$40,871.
- 1989 Mapping Ecological Types using Digital Multispectral Imagery in the Cleveland National Forest. USDA Forest Service Cooperative Agreement (Co-PI: R. Wright). \$8,000.
- 1988 Canopy Reflectance Modeling and Derivation of Stand Indices for California Oak Woodland. California Space Institute. (Principal Investigator: Frank W. Davis, Co-P.I.: **J. Franklin**). \$8,500.

- 1987 Conservation of Polynesian Birds Through Habitat Mapping and Species Introduction. National Geographic Society. (PI: D. S. Simonett, Co-P.I.: **J. Franklin**). \$2,475.
- 1985-1987 Canopy Reflectance Modeling in a Tropical Wooded Grassland. National Aeronautics and Space Administration. (PI: D.S. Simonett). \$71,300.

Graduate Student Fellowships and Grants (*Advisor is PI)

- 2016 Social-spatial analyses of environmental attitudes in Phoenix, Arizona: 2006, 2011, and beyond; Central Arizona Project Long Term Ecological Research Program, School of Sustainability, ASU. Graduate Student Research Grant to **Riley B. Andrade** (\$4K)
- 2015 Survey 200: A powerful tool for examining urban vegetation change under the Great Recession, Central Arizona Project Long Term Ecological Research Program, School of Sustainability, ASU. Graduate Student Research Grant to **Julie Ripplinger** (\$4K)
- 2012 Urban Resilience: Testing Ecological Theory in Cities, Central Arizona Project Long Term Ecological Research Program, School of Sustainability, ASU. Graduate Student Research Grant to **Julie Ripplinger** (\$4K)
- 2006-2010 Examination of Habitat Fragmentation and Effects on Species Persistence in the Vicinity of Naval Base Pt. Loma, San Diego, Ca; Department of Defense Strategic Environmental Research and Development Program (SERDP) Project 1473 (Cooperative Agreement N62473-06-LT-R0017). **Dawn Lawson** (JF co-Advisor with H. Regan). (\$342K total; \$12K/yr to HR and JF for project supervision)
- 2005 Department of Defense Legacy Resource Management Grant for Multi-species Management Using Modeling and Decision Theory, **Dawn Lawson** (JF co-Advisor with H. Regan).
- 2002-2005 * Long-term impacts of frequent fire and urbanization on native vegetation in California mediterranean-type shrublands: an integrated simulation modeling strategy, NASA Earth System Science Graduate Student Doctoral Fellowship to **Alexandra Syphard** (\$24K/yr), total \$72,000.
- 1999-2002 * Predictive soil modeling in soil survey. US Environmental Protection Agency (EPA), STAR Doctoral Fellowship to **Peter Scull** (stipend \$17K/yr), plus research funds (\$34K), total \$85K.

- 1999-2000 * A multiresolution approach to remote sensing of fire fuels, National Science Foundation Geography and Regional Science Program Dissertation Improvement Grant (for **Bruce Frank**), \$5.3K.
- 1992-1995 * Canopy Reflectance Modeling of Semiarid Vegetation, NASA Earth System Science Graduate Student Doctoral Fellowship to **Jeff Duncan**. (stipend & research funds, \$18K/yr, total \$54K).

Intramural Grants – Arizona State University

- 2013 Vegetation Dynamics and Resilience in CAP LTER 2000-2010, Central Arizona Project Long Term Ecological Research Program, School of Sustainability, ASU (summer salary)
- 2011 Vegetation Dynamics and Resilience in CAP LTER 2000-2010, Central Arizona Project Long Term Ecological Research Program, School of Sustainability, ASU (summer salary)

Intramural Grants - San Diego State University

- 2003 Effects of a hot natural wildfire on the chaparral plant community at the Sky Oaks Biological Field Station. Grant-in-Aid, University Research Council, San Diego State University. \$4,767.
- 1994 Mapping Vegetation Stands Using Image Segmentation in a Desert Environment. Grant-in-Aid, University Research Council, San Diego State University. \$7,974.
- 1992 Conservation of Biodiversity in Polynesia: Inventory of Biological Resources on Selected Islands in the Kingdom of Tonga. Research, Scholarship and Creative Activity Program and Affirmative Action Faculty Development Program. \$3,650.
- 1991 Remote Sensing Methods for Monitoring Desertification. Research, Scholarship and Creative Activity Program and Affirmative Action Faculty Development Program. \$2,750 and one Semester research leave.
- 1990 Mapping and Analysis of Spotted Owl Habitat in Northern California. College of Arts & Letters, San Diego State University. Research, Scholarship, and Creative Activity Program. \$1,985.
- 1990 Geography's Role in the Conservation of Biological Diversity. Affirmative Action Faculty Development Program. \$3,170.
- 1989 Mapping Woody Vegetation in the South Luangwa National Park, Zambia, Using Remote Sensing. College of Arts & Letters, San Diego State University, Research, Scholarship and Creative Activity Program. \$4,071.

Intramural Grants - U.C. Santa Barbara

- 1987 Species Conservation in the South Pacific Through Habitat Mapping Using Remotely Sensed Data. California Space Institute (UCSD). (PI: J.E. Estes, Co-PI: **J. Franklin**). \$7,500.

- 1986 Conservation of Biological Resources in the South Pacific Through Habitat Mapping Using Remotely Sensed Data. University of California Pacific Rim Research Program. (PI: D.S. Simonett, Co-PI: **J. Franklin**). \$2,600.

Technical Reports

- 2020 Keith, D. A., J. R. Ferrer-Paris, E. Nicholson, R. T. Kingsford, T. (eds.) The IUCN Global Ecosystem Typology v2.0: Descriptive profiles for Biomes and Ecosystem Functional Groups. IUCN, Gland, Switzerland. ISBN: 978-2-8317-2077-7. DOI 978-2-8317-2077-7. (Contributing authors: Keith DA, Ferrer-Paris JR, Nicholson E, Bishop MJ, Polidoro BA, Ramirez-Llodra E, Tozer MG, Nel JL, Mac Nally R, Gregr EJ, Watermeyer KE, Essl F, Faber-Langendoen D, Giller PS, Robson B, **Franklin J**, Lehmann CER, Etter A, Roux DJ, Stark JS, Rowland JA, Brummitt NA, Fernandez-Arcaya UC, Suthers IM, Iliffe TM, Gerovasileiou V, Sakihara TS, Wisser SK, Donohue I, Jackson LJ, Pennington RT, Linardich C, Pettorelli N, Andrade A, Kontula T, Lindgaard A, Tahvanainen T, Terauds A, Venter O, Watson JEM, Chadwick MA, Murray NJ, Moat J, Pliscoff P, Corlett RT, Young KR, McGlone MS, Williams RT, Loidi J, Russell-Smith J, Gibson D, Eldridge DJ, Anesio AMB, Körner CH, Harper R, Bogaart PW, Bhanumati P, Sharma M, Hose GC, Gonzalez BC, Brankovits D, Martínez García A, Lamson M, Seidel B, Sedar DM, Santos S, Havird J, Catford JA, Rains MC, Irvine K, Arthington AH, Kelly-Quinn M, Bertilsson S, Hollibaugh JT, Channing A, Siegert MJ, Reidy Liermann C, Beveridge M, Bianchi TS, Woodland RJ, Dafforn KA, McSweeney SL, Cutler NA, Orth RJ, Altieri AH, Rossi S, Sheppard CRC, Swearer SE, Rykaczewski RR, Shannon LJ, Priede IG, Sutton TT, Claisse JT, Acosta ATR, Carnell PE, Crowe TP, Firth LB, Hay SE, García L, Zager I, Bland LM, Kingsford RT)
- 2011 **Franklin, J.** (with H. Regan), *Collaborative Project: Climate change impacts on a plant functional group in a biodiversity hotspot*, Final Report, Western Regional Center of the Department of Energy's National Institute for Climatic Change Research.
- 2009 **Franklin, J.**, Bergman, E. and Santos, E. *Mixed Conifer Forest Restoration Project, Cuyamaca Rancho State Park, San Diego, California*. Final Report, Interagency Agreement Number C0643016, California Department of Parks and Recreation, Colorado Desert District, Borrego Springs, CA. 4 pp, July 2009.
- 2008 **Franklin, J.** *Post-Cedar Fire Mixed Conifer-Hardwood Monitoring at Cuyamaca Rancho State Park, San Diego, California*. Final Report, Interagency Agreement Number C0543025, California Department of Parks and Recreation, Colorado Desert District, Borrego Springs, CA. 26 pp, December 2008.
- 2008 Deutschman, D. H., Strahm, S., Bailey, D., A., **Franklin, J.**, and Lewison, R., *Using Variance Components Analysis to Improve the Vegetation Monitoring Plan for the San Diego Multiple Species Conservation Program (MSCP)*, Report for Local Assistance Grant #P0685105. Prepared for California Department of Fish and Game, Grant Coordinator: Dr. Brenda S. Johnson. June 2008.
- 2007 **Franklin, J.**, and Santos, E. *Mixed Conifer Forest Restoration Project, Cuyamaca Rancho State Park, San Diego, California*. Draft Plan for Stratified Random Sampling, Interagency Agreement Number C0643016, California Department of Parks and Recreation, Colorado Desert District, Borrego Springs, CA. 9 pp. December 2007.
- 2007 **Franklin, J.**, *Statistical modeling of the distribution and abundance of Quercus pacifica and Q. tomentella on Catalina Island*, Technical Report submitted to Denise Knapp, Senior Plant Ecologist, The Catalina Island Conservancy, April 2007.
- 2007 Deutschman, D. H., Hierl, L. A., **Franklin, J.**, and Regan, H. M., *Vegetation Community Monitoring Recommendations for the San Diego Multiple Species Conservation Program*, Report for Task D of Local Assistance Grant #P0450009. Prepared for California Department of Fish and Game, Grant Coordinator: Dr. Brenda S. Johnson (April 15, 2007).
- 2007 Hierl, L. A., **Franklin, J.**, Deutschman, D. H., and Regan, H. M., *Developing Conceptual Models to Improve the Biological Monitoring Plan for San Diego's Multiple Species Conservation Program*, Report for Task C of Local Assistance Grant #P0450009. Prepared for California Department of Fish and Game, Grant Coordinator: Dr. Brenda S. Johnson (February 2007).

- 2006 **Franklin, J.**, Hierl, L. A., Deutschman, D. H. and Regan, H. M., *Grouping and Prioritizing Natural Communities for the San Diego Multiple Species Conservation Program*, Report for Task B2 of Local Assistance Grant #P0450009. Prepared for California Department of Fish and Game, Grant Coordinator: Dr. Brenda S. Johnson.
- 2006 Regan, H. M., Hierl, L. A., **Franklin, J.**, and Deutschman, D. H., *Multiple Species Conservation Program: Covered species Prioritization*, Report for Task B1 of Local Assistance Grant #P0450009. Prepared for California Department of Fish and Game, Grant Coordinator: Dr. Brenda S. Johnson.
- 2005 Hierl, L. A., Regan, H. M., **Franklin, J.**, and Deutschman, D. H., *Assessment of the Biological Monitoring Plan for San Diego's Multiple Species Conservation Program*, Report for Task A of Local Assistance Grant #P0450009. Prepared for California Department of Fish and Game, Grant Coordinator: Dr. Brenda S. Johnson.
- 2004 Thomas, K. A., **J. Franklin**, T. Keeler-Wolf, and P A. Stine, *Mojave Desert Ecosystem Program: Central Mojave Vegetation Mapping Project*. Final Report prepared for the Mojave Desert Ecosystem Program. U.S. Geological Survey Western Ecological Research Center and Southwest Biological Science Center, Sacramento CA. 251 p. + CD-ROM.
- 2001 Stow, D., J. O'Leary, L. Coulter, A. Hope, **J. Franklin**, and six other authors, *Application of digital imaging technologies for monitoring and managing MSCP/NCCP Reserves*, Final Report, City of San Diego, 35 p.
- 2001 **Franklin, J.** and D. W. Steadman, *Biogeography and Community Ecology of Birds and Forests in the Lau Archipelago, Fiji: A Long Term Perspective: Report on Field Research in February-March and October-November 2000*, submitted to the Fiji Museum (T. Sarovi-Vunidilo and S. Matararaba, Department of Archaeology).
- 1998 Carpenter, G, Gopal, S., Macomber, S., Martens, S., Woodcock, C. and **Franklin, J.**, *A neural network method for efficient vegetation mapping*. Technical Report CAS/CNS-98-035, Center for Adaptive Systems, Department of Cognitive and Neural Systems, Boston University, 31 p.
- 1998 Klopatek, J. M., R. C. Balling, Jr., A. W. Brazel, **J. Franklin** and C. J. Watts, *Land-use change along the United States-Mexico border: ecosystem effects and climate feedbacks*, Final Report on Grant PP96IV-2, US-EPA and Southwest Center for Environmental Research and Policy (SCERP).
- 1998 Stow, D., **J. Franklin**, A. Hope, J. O'Leary, R. Wright P. Longmire, and E. Almanza, *An assessment of the potential of geo-spatial technologies for monitoring shrubland habitats in Southern California*, Final Report, prepared for San Diego Gas and Electric, Electrical Power Research Institute, Technology Advisory Committee, 60 p.
- 1997 **Franklin, J.** and J. Duncan, *Geometric-optical mixture modelling of bush canopies*, pp. 125-135 in: Kabat, P., S.D. Prince and L. Prihodko (Eds.), *Hydrologic Atmospheric Pilot Experiment in the Sahel (HAPEX-Sahel): Methods, Measurements and Selected Results from the West Central Supersite*, Report 130, DLO Winand Staring Centre, Wageningen, The Netherlands.
- 1997 **Franklin, J.**, J. J. Swenson and D. Shaari, *Map of existing vegetation and land cover for the Santa Monica Mountains National Recreation area; summary of map accuracy*, Unpublished Technical Report to the SMMNRA, Department of Geography, San Diego State University.
- 1997 **Franklin, J.**, D.W. Steadman and D.R. Drake, *Effects of disturbance on biogeography of Tongan plants and birds: report of research activities*. Final Report, National Geographic Society Award 5132-93.
- 1996 **Franklin, J.**, *Forest Service Southern California Mapping Project: Final Report for the Four Southern Forests*, USFS Contract No. 53-91S8-3-TM45.
- 1991 Stow, D. and **J. Franklin**. *An Examination of the Utility of Satellite Imagery for Mapping Vegetation in San Diego County*. Final Report, San Diego Association of Governments.
- 1990 **Franklin, J.**, *Improved Methods of Monitoring Vegetation Structure and Change for Input to Landscape Scale Ecosystem Process Models*, Final Report NSF Award SES-89-08941, 4 p.

- 1990 Whitford, W.G., et al., *Desertification: Processes and Implications*. Jornada LTER II Progress Report, NSF Award DEB 92-40261, 1989-1990.
- 1989 Estes, J.E. and **J. Franklin**, *Species Conservation in the South Pacific Through Habitat Mapping Using Remote Sensing*, Final Report, California Space Institute, Award 3681-87.
- 1989 Simonett, D.S., **J. Franklin**, and D. W. Steadman, *Conservation of Polynesian Birds Through Habitat Mapping and Species Introduction*, Final Report, The National Geographic Society.
- 1988 **Franklin, J.**, *Improved Canopy Reflectance Modeling and Scene Inference Through Improved Understanding of Scene Pattern*, Final Report, NASA Training Grant NGT-05-010-804, 54 p.
- 1988 **Franklin, J.**, *Canopy Reflectance Modeling in a Tropical Wooded Grassland*, Report, NASA Award NAGW-788, 105 p.
- 1986 **Franklin, J.**, *Canopy Reflectance Modeling in a Tropical Wooded Grassland*, Final Report, year 1, NASA Award NAGW-788, 60 p.
- 1984 **Franklin, J.**, ed., *The Pilot Land Data System: Report of the program planning workshops*, NASA Technical Memorandum 86250, The Pilot Land Data System Working Group, NASA Office of Space Science and Applications, Washington, DC.
- 1983 Strahler, A.H., C.E. Woodcock, T.L. Logan, **J. Franklin**, H. Bowlin, and J. Levitan, *Automated Forest Classification and Inventory in the Eldorado National Forest*, USDA Forest Service, San Francisco, CA, 48 p.
- 1981 Strahler, A.H., **J. Franklin**, C.E. Woodcock, and T.L. Logan, *FOCIS: A Forest Classification and Inventory System Using Landsat and Digital Terrain Data*, Final Report, NASA Contract 9-15509, 60 p.
- 1981 Cosentino, M.J., C.E. Woodcock, and **J. Franklin**, *U.S. Forest Service Vegetative Fuels Research Final Report*, USDA Forest Service Grant 53-9158-06411, 20 p.
- 1980 Woodcock, C.E., **J. Franklin**, A.H. Strahler, and T.L. Logan, *Labeling Manually Delineated Timber Stands Using a Landsat-Based Stratification*, Final Report, USFS Contract 53-9158-0-6362.
- 1980 Franklin, J., A.H. Strahler, and C.E. Woodcock, *Land Use Planning Technologies Applied to Croplands and Rangelands*, Final Report, U.S. Congress Office of Technology Assessment Contract 03303780.0, 44 p.

COURSES TAUGHT

UCR

- BIO 111: Biology of Human Problems: Climate Change Biology (S21)
- BPSC 240: Seminar -- Fire Ecology (S20)
- BPSC 244: Species Distribution Modeling (S19; S20)
- BPSC 250: Botany and Plant Sciences Seminar Series (S19)
- BPSC 246: Landscape Ecology (W18)

ASU

- GPH 381: Geography of Natural Resources
- GPH 422/PLB 422/BIO 430/GPH 598: Plant Geography
- GCU 585/PUP 724: Geographic Research Design and Proposal Writing
- GPH 598/BIO 598: Biotic Distributions (Species Distribution Modeling)
- ELS 502: Environmental Life Sciences Grand Challenges: Global Change

SDSU - Biology

- Ecology and the Environment (co-taught)
- Landscape Ecology
- Plant Ecology
- Theory and Principles of Ecology (graduate course; co-taught)
- Seminar: Predicting Species Occurrences
- Seminar: Fire Ecology
- Seminar: Biogeography (co-taught)

SDSU - Geography

- Introduction to Physical Geography
- Conservation of Environmental Quality
- Environmental and Natural Resource Conservation
- Geography of Arid Lands
- Intermediate Remote Sensing of Environment
- Advanced Remote Sensing: Integration with GIS
- Seminar: Vegetation Remote Sensing
- Seminar: Biophysical Remote Sensing
- Seminar: Geographical Analysis of Biodiversity
- Seminar: Research Design
- Seminar: History of Geographical Thought

Postgraduate and Professional Workshops and Short Courses Taught:

- Summer Course in Computational Ecology: Modeling and Mapping Species Distributions, Institute for Biodiversity and Ecosystem Dynamics, University of Amsterdam (Co-instructor with E. van Loon and H. Regan) (June 21-14, 2011)
- Use of Geographical Information Systems and Remote Sensing in Environmental Planning for Environmental Professionals and Planners (June 1990, June 1991)
- Use of Geographic Information Systems and Digital Image Processing; a workshop for California State University Faculty (February and April 1990)

POSTDOCTORAL RESEARCH SCHOLARS SUPERVISED

- 2021- Gregory Backus, University of California - Riverside
- 2021-2022 Santiago Velazco, University of California – Riverside (Current Position: Research Scientist, CONICET; Argentina)
- 2015-2018 G. Andrew Fricker, Arizona State University; University of California - Riverside (Current Position: Assistant Professor, Cal Poly U., San Luis Obispo)
- 2016-2017 Nicholas Synes; Arizona State University
- 2015-2016 Julie Ripplinger, Arizona State University
- 2013-2015 José M. (Pep) Serra-Diaz; Arizona State University (Current Position: Assistant Professor, AgroForestTech, Nancy, FR)
- 2007-2009 Alexandra D. Syphard; San Diego State University (Current Position: Research Scientists, Conservation Biology Institute)

STUDENTS SUPERVISED**Doctoral Committees Chaired***UC Riverside:*

- 2023 Brooke Rose Geography of plant vulnerability to global change in the California Floristic Province (Ph.D., Botany and Plant Sciences). F2019-
- 2022 Mystyn Mills Assessing and monitoring landscape-scale restoration in water-limited, disturbance-prone systems (Ph.D., Botany and Plant Sciences). F2017-Su2022 (defense 9/2/22). Entry position: Assistant Professor, CSU Long Beach

Arizona State University:

- 2020 Riley Andrade Connecting People and Biodiversity: Multi-Scalar Interactions in Social-Ecological Systems (Ph.D, Geography; Co-Chair K. Larson) Current position: Social Science Coordinator, US Fish & Wildlife Service
- 2018 Richard Inman Improving Species Distribution Models with Bias Correction and Geographically Weighted Regression: Tests of Virtual Species and Past and Present Distribution in North American Deserts (Ph.D., Geography). Current position: Ecologist, US Geological Survey Ft. Collins Science Center
- 2015 Julie Ripplinger Testing resilience theory in cities: Spatiotemporal dynamics and resilience of urban plant communities (Ph.D., Biology; co-Chair S. Collins) 2010-2015

San Diego State University:

- 2005 Alexandra Syphard Long term impacts of frequent fire and urbanization on composition of native vegetation in the Santa Monica Mountains (Joint Doctoral Program, Geography, SDSU-UCSB). Current Position: Senior Scientist; Conservation Biology Institute.
- 2005 John Rogan Monitoring alteration in regional forest structure using multitemporal remote sensing (Joint Doctoral Program, Geography, SDSU-UCSB). Current position: Professor of Geography, Clark University. Tenured 2009.
- 2003 Jennifer Miller Predictive vegetation modeling and the incorporation of spatial dependence (Joint Doctoral Program, Geography, SDSU-UCSB). *2004 Nystrom Award for Dissertation in Geography, Association of American Geographers*. Current position: Professor of Geography, University of Texas at Austin. Tenured 2013.
- 2002 Peter Scull Predictive soil mapping in the Mojave Desert of California (Joint Doctoral Program, Geography, SDSU-UCSB). Current position: Professor of Geography, Colgate University. Tenured 2008.

Graduate Committees, Member, UCR (Degree, Primary Adviser in parentheses)

- 2121-present Suyeon Kim Qualifying exam committee; **Dissertation committee** (Ph.D., EEOB; Helen Regan)
- 2020-2023 Clarissa Rodriguez *Understanding mechanisms of invasion dynamics and their associated impacts on native species in dryland plant communities;*

		Qualifying exam committee (5/20); Dissertation committee (Ph.D, Botany & Plant Sciences; L. Larios)
2020-2022	Guadalupe Maldonado	Guidance committee (Ph.D, Botany & Plant Sciences; E. Ezcurra)
2019- 2023	Stuart Schwab	<i>Investigating invasive plant impacts preventing community recovery</i> ; Qualifying exam committee – Chair; Dissertation committee (Ph.D, Botany & Plant Sciences; L. Larios)
2019- present	Julia Adams	<i>Taxonomy, Systematics, and Lichen Symbiont Diversity of Acarospora socialis Across Environmental Gradients</i> ; Qualifying exam committee, Dissertation committee (Ph.D., Botany & Plant Sciences; J. Stajich)
2019-present	Ryan Conway	<i>A trait-based predictive framework for community assembly in intermittent river networks</i> ; Qualifying exam committee, Dissertation committee (Ph.D., EEOB, K. Anderson)
2018- present	Meg Kargul	<i>Understanding how regeneration traits mediate post-fire establishment and recovery</i> ; Guidance committee; Qualifying exam committee, Dissertation committee (Ph.D, Botany & Plant Sciences; L. Larios)
2018- present	Tesa Madsen-McQueen	Guidance committee; Qualifying exam committee; Dissertation committee (Ph.D, EEOB; Marko Spasojevic)
2018- present	Erin McCann	Guidance committee; Qualifying Exam Committee; Dissertation committee (Ph.D, Evol., Ecol. & Organismal Biol.; M. Spasojevic)
2018- 2023	Noah Teller	<i>Understanding and Mitigating plant invasions in Natural Areas</i> ; Qualifying exam committee; Dissertation committee (Ph.D, Botany & Plant Sciences; L. Larios)
2017-present	Stephanie Piper	<i>Urban Nitrogen Pollution: Distribution, Drivers, and Teleconnections</i> ; Guidance committee; Qualifying exam committee – Chair; Dissertation committee (Ph.D, Botany & Plant Sciences; D. Jenerette)
2018-2022	Ariana Firebaugh	Guidance committee (Ph.D, EEOB; M. Spasojevic, L. Larios)
2017- 2022	Yi Huang	<i>Genetic variation and habitat differentiation in taxonomically difficult plants</i> <i>Arctostaphylos glandulosa</i> ; Dissertation committee ; Qualifying exam (Ph.D, Botany & Plant Sciences; A. Litt) 6/10/22
2020	William Ota	Qualifying exam committee (Ph.D., EEOB, K. Anderson)
2019	Matthew Green	Qualifying exam committee (Ph.D., EEOB, K. Anderson)
2019	Dion Kucera	Qualifying exam committee (Ph.D, Botany & Plant Sciences; D. Jenerette)
2019	Glen Morrison	Qualifying exam committee (Ph.D, Botany & Plant Sciences; A. Litt)
2017	Madison Sankovitz	Guidance committee (Ph.D, Entomology; J. Purcell)
2019-2021	Denise Mitchell	<i>The coordination of drought and heat tolerance of woody species across ecosystems</i> (Thesis committee; MS, Botany & Plant Sciences; L. Santiago)
2017- 2021	Peter Ibsen	<i>From Trees to Macrosystems: Urban Vegetation and Climate Interactions Across Spatial Scales</i> ; Dissertation committee (Ph.D, Botany & Plant Sciences; D. Jenerette)
2017- 2020	Teresa Bohner	<i>From species' interactions to distributions: Forest population, community and macroecology from inventory data and dendrochronology</i> ; Dissertation committee (Ph.D, Botany & Plant Sciences; J. Diez)

Masters Committees Chaired, ASU

Spring 2014	Jennifer James	Impact of climate change on plant communities in the Santa Monica Mountains, California (MA, Geographical Sciences) 2010-2014
Fall 2013	Yan-ting Liao	Environmental gradient segmentation to delineate tree stands (MA, Geographical Sciences) 2011-2013
Summer 2012	Bray Beltrán	Effects of climate change and urban development on the distribution and conservation of vegetation in a Mediterranean Type Ecosystem (M.S., Biology) 2009-2012

Graduate Committees, Member, ASU (Degree, Primary Adviser in parentheses)

2019	Grant Snitker	Prehistoric human fire and landscape transformation in the Mediterranean Basin (Ph.D., Archaeology, M. Barton, SHESC) Joined committee S2014. Defended 1/4/19.
2018	John Rowan	Paleobiogeography of African mammals (Ph.D., School of Human Evolution and Social Change; K. Reed). 2014- Joined committee S2015. Defended 8/24/18.
2017	Michael Fell	Tree physiological traits affecting carbon gain, growth and mortality in the context of environmental change (Ph.D., Biology, Kiona Ogle, SoLS). Passed proposal defense F2012.
2016	Danika Setaro	Warm and cool season plant species in soil seed banks of riparian plant communities in the desert Southwest (MS, Biology, J. Stromberg, SoLS). Joined committee F2012.
2016	Riley Burnette	Modeling waterbird biodiversity within an urban environment (MS., Applied Biological Sciences, H. Bateman, ASU Polytechnic) Joined committee F2014.
2015	Xiaoli Dong	Landscape structure and the abundance and distribution of biogeochemical processing variables in ecosystems (Ph.D., Environmental Life Sciences, N. Grimm & C. Muneeppeerakul).
2015	Mimi (Aimee) Kessler	Asian Great Bustards: From Conservation to Sustainable Grassland Development (Ph.D., Biology, A. Smith, SoLS). 4/15/15.
2011	Andrea Hazelton	Distributions of plant functional types on the Verde River relative to flood frequency and moisture availability (MS, Biology, J. Stromberg, SoLS)
2011	Ashley Robison	Non-thesis MA in biocomputation (MA, N. Lanchier, Mathematics)

Doctoral Committees, Member, SDSU (11 total; Primary Adviser indicated)

2012	Francis Bozzolo	Microbial mediation of ecosystem processes and plant community change in Coastal Sage Scrub (D. Lipson, Joint Doctoral Program in Ecology, SDSU-UC Davis)
2011	Dawn Lawson	Multi-Species Conservation in the Context of Global Change (H. M. Regan, Joint Doctoral Program in Ecology, SDSU-UC Davis)
2011	Seth Peterson	Fire Risk in California (Geography, UC-Santa Barbara; D. Roberts)
2010	Yuki Hamada	Characterizing conditions of California sage scrub communities in Mediterranean-type ecosystems using remote sensing (D. Stow, Geography, SDSU-UCSB)
2004	Christine McMichael	Modeling the effects of fire on streamflow in a chaparral watershed (A. Hope, Geography, SDSU-UCSB)

2003	Matthew Rahn	Qualifying exam committee member (Joint Doctoral Program in Ecology, SDSU-UC Davis)
2001	Michael L. Wells	Human-altered fire regimes and the development of stand structure of <i>Macrocarpae</i> pines (J. O'Leary, Geography, SDSU-UCSB)
2000	Ross Meentemeyer	Modeling the distribution and abundance of chaparral species in the Santa Ynez Mountains, California (Geography; University North Carolina - Chapel Hill; A. Moody)
1997	Stuart Phinn	Remote sensing and spatial analysis of vegetation patch structure in disturbed and restored coastal environments (D. Stow, Geography, SDSU-UCSB). Entry position: Assist. Prof. Geography, Univ. Queensland (promoted to Professor 2007).
1995	Peter Stine	Conservation of the coastal sage scrub community in the South Coast Ecoregion of California (Geography; UC Santa Barbara; F. Davis)
1992	Sally Westmoreland	Qualifying exam committee member.

Theses, External Reviewer (12 total; Primary Adviser indicated)

2012	Jennifer Weaver	Species Distribution Models and Invasive Species: An Analysis of the Issues of Scale, Sample Selection Bias, Model Transferability and Prediction, Ph.D. Thesis, University of Toronto (T. Conway; M-J Fortin)
2012	Lucinda Robinson	Potential impacts of climate change on the distribution of pelagic fish and fisheries off the east coast of Australia, Ph.D. Thesis, University of Queensland (H. Possingham)
2009	Andrea White	Modelling the impact of climate change on peatlands in the Bogong High Plains, Victoria, Ph.D. Thesis, University of Melbourne, Australia (Mark Burgman)
2008	Michael Powell	Predicting the geographical distributions of <i>Macadamia integrifolia</i> and <i>Macadamia ternifolia</i> , Ph.D. Thesis, University of the Sunshine Coast, Australia (Alison Shapcott)
2008	Kenneth Clarke	Landscape scale measurement and monitoring of biodiversity in the Australian rangelands, Ph.D. Thesis, University of Adelaide, Australia (B. Ostendorf)
2008	Janine Bolliger	Assessing land characteristics in a changing environment, <u>Habilitation</u> , Swiss Federal Institute of Technology (ETH)
2004	Z. Jones	Land use and its impact on the Succulent Karoo, MSc Thesis, Department of Botany, University of Cape Town, South Africa (M. Rouget)
2003	Arnon Accad	Vegetation communities modelling using GIS-integrated statistical, ecological and data models: an application in the Wet Tropics of northeast Queensland, Australia, Ph.D. Thesis, University of Queensland (D. Neil)
2003	Kimberly P. van Niel	Geographical Issues in Predictive Vegetation Modelling: Error and Uncertainty in GIS Data, Methods and Models, Ph.D. Thesis, Australian National University (B. Lees)
2003	Brendan Wintle	Dealing with uncertainty in wildlife habitat models, Ph.D. Thesis, University of Melbourne, Australia (M. Burgman)
2003	Janice S. Golding	An ecological and conservation planning study of the plant biodiversity on natural and semi-natural remnants on the Cape Flats,

- 2002 Mathieu Rouget South Africa, MSc Thesis, Department of Botany, University of Cape Town, South Africa (R Cowling)
Modeling current and potential distributions of woody plants, with special emphasis on the importance of spatial scale and environmental factors, Ph.D. Thesis, Department of Botany, University of Cape Town, South Africa (D. Richardson)

Masters Committees Chaired, Biology, SDSU (2002-2009; 7 total)

- Fall 2009 Andrew Steyers Minimum data requirements for robust trends assessments
Spring 2009 Erin Bergman Pine regeneration in Cuyamaca Rancho State Park, San Diego County, five years after a high severity crown fire
Spring 2009 Elizabeth Santos Population trends and recruitment Patterns Of *Pinus torreyana* at the Torrey Pine State Reserve
Summer 2007 Katherine Newman Effects of species frequency in the field versus prevalence in the sample on models of habitat suitability for herpetofauna in southern California
Spring 2007 John Crookston The combined effects of fragmentation and altered fire regime on *Ceanothus greggii*: A modeling approach (Co-Chair with H. Regan)
Fall 2005 Linnea Spears Tree mortality and forest recovery in Cuyamaca Rancho State Park, San Diego County, California following the 2003 Cedar Fire
Fall 2005 Heather Schmalbach Effects of post-fire regeneration in the chaparral community at Sky Oaks Field Station

Masters Committees, Second Reader, Biology, SDSU (2002-2009; 6 total; Chair indicated)

- Fall 2009 Anna Mittelberg Landscape genetics of the southern mule deer, *Odocoileus hemionus fuliginatus* in San Diego County (A. Bohonak)
Fall 2007 Francly El Souki Effect of nitrogen pollution and exotic grasses on the nitrogen transformation in soil (D. Lipson)
Spring 2007 Layla Aerne The vegetative anatomy of the Haemodoraceae and its systematic significance (M. Simpson)
Summer 2006 Jennifer Selgrath Linking American lobsters (*Homarus americanus*) and benthic habitat configuration in the coastal waters of New England (K. Hovel)
Spring 2005 Brendan Reed Effects of eelgrass (*Zostera marina*) habitat loss on epifaunal abundance and diversity: a test of the threshold hypothesis (K. Hovel)
Fall 2004 Leigh Klatsky Satellite-monitoring of movements and diving behavior of Bottlenose dolphins, *Tursiops truncatus*, in offshore waters of the northwest Atlantic Ocean near Bermuda (L. McClenehan)

Masters Committees Chaired, Geography, SDSU (1989-2002; 16 total)

- Fall 2002 Charlotte Coulter Compositional changes in southern California chaparral based on surveys conducted in the 1930s and in 2001 and 2002.
Fall 2000 Stacie Hathaway An exploratory analysis of the biogeographic distribution of herpetofauna in San Diego County using museum records and survey data

Spring 1999	Wendy Barto	Predicting potential habitat for the Arroyo Toad (<i>Bufo microscaphus californicus</i>) in San Diego County using a habitat suitability model and digital terrain data
Spring 1999	Ross Martin	Modeling landscape scale fire disturbance and functional group response: a simulation of the fire adaptive behaviors found in the vegetation communities of the Laguna Mountains in Southern California
Spring 1999	Dena Simons	Predicting the effects of environmental variables upon potential site productivity of chaparral in the Descanso Ranger District
Spring 1999	Ken Yanow	Estimating topographically distributed incoming solar radiation in the Ramona quadrangle using clear sky and real sky models
Spring 1997	Daniel Weir	Changing of indigenous land and water use at a Sonoran Oasis
Spring 1997	David Shaari	Predicting forest canopy diameter class using a canopy reflectance model and image semivariograms
Spring 1997	Ellen Hines	A sensitivity analysis of a map of habitat quality for the California Spotted Owl (<i>Strix occidentalis occidentalis</i>) in Southern California
Fall 1995	Jennifer Swenson	Habitat fragmentation on the Santa Monica Mountains: current status and future predictions
Fall 1995	Curtis Gray	Predicting the location of riparian vegetation using Landsat TM and digital terrain data in the Cleveland National Forest
Spring 1995	Leslie Bolick	Biological conservation and park development: Mount Talau, Vava'u, Kingdom of Tonga
Spring 1995	Andres Abeyta	Assessing the utility of image segmentation in an arid environment
Spring 1995	Paul McCullough	Predictive vegetation modeling of chaparral associations in the Cleveland National Forest
Spring 1993	Joseph Shandley	Mapping vegetation stands using image segmentation in the Pine Creek Watershed
Spring 1991	Debra Turner	Geometric-optical canopy reflectance modeling of semiarid shrub vegetation

Masters Committees, Second Reader, Geography, SDSU (13 total; Chair indicated)

Fall 2003	Dawn Service	Detecting invasive vegetation in De Hoop, South Africa, with remotely sensed data (Hope)
Spring 2003	Martin Lowenfish	Using measures of bare soil pattern derived from remote sensing data to predict the health of a semi-arid rangeland (Stow)
Fall 2002	Katie Comer	Sea turtle nesting habitat at Guantanamo Bay, Cuba (Tague)
Spring 2002	Laurie Williams	Using presence only data to model suitable habitat for fisher (<i>Martes pennanti</i>) in Sequoia and Kings Canyon National Parks, California (O'Leary)
Summer 2001	Bruce Nyden	Multitemporal change analysis of a southern California saltmarsh using airborne digital imagery (Stow)
Spring 2001	Tim Fox	Integrating fire behavior modeling and geographic information systems: an assessment of fire hazard classification in Sequoia and Kings Canyon National Parks, California (Tague)
Spring 1997	Brian Bradshaw	Integrating high resolution digital imagery and digital terrain data for mapping restored salt marsh habitat (Stow)
Spring 1996	Darren Smith	Floristic composition and species diversity of Diegan alluvial sage scrub in San Diego County, California (O'Leary)

Spring 1995	Arman Eshraghi	An evaluation of ADAR image based methods for estimating cover composition of major plant forms in restored riparian habitats (Stow)
Fall 1994	Suzanne Michel	Raptors and rhetoric: how communicative actions shape golden eagle habitat in Ramona, California (Aitken)
Spring 1994	William Grainger	Examination of the perceived constraints to drought tolerant forms of landscaping (Aitken)
Spring 1992	Kim Glasgow	Use of Gap Analysis for evaluating open space policies for preserving local biological diversity in the Otay Mesa area of San Diego County, California (Wright)
Spring 1991	Jeff Duncan	Estimating shrub cover in a semiarid ecosystem using spectral vegetation indices (Hope, Stow)

Masters Committees, Third Reader, SDSU (23 total; Chair indicated)

Spring 2009	Adam Wagschal	A spatial decision support system for the collaborative identification of conservation priorities (Geography, Jankowski)
Fall 2007	Caitlin Chason	Vegetation type conversion in chaparral communities (Geography, Stow)
Summer 2007	Nell Blodgett	Investigating the relationship between fire behavior, fuel age, and post-fire remnant vegetation in the southern California chaparral and coastal sage scrub environment (Geography, Stow)
Spring 2005	Yuki Hamada	Detecting invasive plant species in riparian habitat of southern California using hyperspectral imagery (Geography, Stow)
Spring 2005	Jenny Williams	The effects of environment and forest fragmentation on overwintering Monarch butterflies in central Mexico (Geography, Stow)
Spring 2004	Robert Lauri	Floristics of Palomar Mountain (Biology, Simpson)
Fall 2003	Elena Tarnavsky	Spatial and radiometric fidelity of high resolution airborne multispectral imagery in the context of land cover change analyses (Geography, Stow)
Fall 2003	Anna Lieberman	Mapping fire effects in southern California Mediterranean vegetation using remote sensing data (Geography, Stow)
Fall 2002	Michael C. Lowder	The evolution of morphological diversity in the <i>Chabronattus amicus</i> species complex (Araneae: Salticidae) (Biology, Hedin)
Spring 2002	Kimberly Ferree	Relationships between nest site selection and nest success of three neotropical migrants: Arizona Bell's Vireo (<i>Vireo bellii arizonae</i>), Yellow-Breasted chat (<i>Icteria virens</i>), and Yellow Warbler (<i>Dendroica petechi</i>) in a desert riparian ecosystem (Biology: Diffendorfer)
Spring 2000	Adam Leache	Phylogenetic relationships within the <i>Sceloporus undulatus</i> species group (Squamata: Phrynosomatidae) as inferred from mitochondrial DNA sequence data (Biology: Reeder)
Spring 1996	Ruben Murcia	Effects of habitat fragmentation on vertebrate richness in Southern California grasslands (Biology: Cox)
Spring 1996	Carol Cabbage	Development of the skull in the zebrafish, <i>Brachydanio rerio</i> : intraspecific and interspecific comparisons (Biology: Mabee)
Fall 1995	Douglas Krofta	Stand structure and composition of mixed conifer-hardwood forest in Cuyamaca Rancho State Park, San Diego County, California (Biology: P. Zedler)

- Spring 1995 Brad Hollingsworth The phylogeny, taxonomy, and biogeography of the lizard genus *Sauromalus* (Iguanidae) (Biology: Etheridge)
- August 1994 Tom Zink The effect of recalcitrant organic amendments on anthropogenically disturbed Coastal Sage Scrub and semi-arid plant communities of Southern California (Biology: Allen)
- August 1994 John Tiszler Changes in nitrogen mineralization and nitrification associated with the ingression of mesquite and creosotebush into black grama grassland (Biology: Reynolds)
- Spring 1993 Leslie Hickson The effect of vesicular-arbuscular mycorrhizae on morphology, light harvesting, and photosynthesis of *Artemisia tridentata* ssp. *tridentata* (Biology: Allen)
- Spring 1993 NaDene Sorensen Arid land revegetation: effects of tree shelters and irrigation on establishment of three shrubs with emphasis on the physiological ecology of *Larrea divaricata* (Biology: Virginia)
- Spring 1992 Scott Snover The effect of introduced vegetation on the native Globose Dune Beetle, Tijuana Estuary (Biology: K. Williams)
- Fall 1990 John Lovenburg Hydrogeology of Mammoth Meadows groundwater basin, Mammoth Lakes, California (Geology)
- Spring 1990 Craig Bachman Nature and Man (M.F.A., Art)

Undergraduate Honors Theses

- Spring 2017 Paige Smith Tracking *Batrachochytrium dendrobatidis* in the San Pedro Valley. Barrett Honors College, ASU, Second reader (J. Collins, Director)
- Fall 2012 Colleen Sauer Embers of the Past: Modeling potential prehistoric access to trees as fuel in the Cape Floral Region of South Africa. (C. Marean, Director)

Undergraduate Independent Studies (since 2006)

- Spring 2016 Alexandra Votaw, ASU (data entry, tropical dry forest diversity)
- Summer 2013 Roxcelli Ortega, ASU (field data collection, urban plant ecology with J. Ripplinger)
- Spring 2008 Amanda Everett, SDSU (plant species attribute database, plant field data collection)
- Spring 2007 Erin Bergman, SDSU, University of Portland (curating plant specimens)
- Spring 2006 Laura Gruber, SDSU (Species endangerment and threats, San Diego Multiple Species Conservation Plan, database)
- Summer 2006 Kathryn Valenti, SDSU (Species endangerment and threats, San Diego MSCP, and covered species monitoring, Torrey Pine)
- Summer 2006 Michelle Stinson, SDSU (curating plant specimens)

International Visitors Hosted

- Winter 2015 Dr. Feliz Herzog, sabbatical visiting scholar, Agroscope, Institute of Sustainability Sciences, Zurich, Switzerland
- Spring 2011 Jose M. Serra-Diaz, visiting predoctoral student, Universitat Autònoma de Barcelona, Barcelona, Spain (Professor Miquel Ninyerola, adviser)
- Fall 2005 Iván Torres, visiting predoctoral student, Universidad de Castilla-La Mancha, Campus Tecnológico de la Fábrica de Armas, Toledo, Spain (Professor Jose Moreno, adviser)
- 1999-2000 Alexandra Hofmann, University of Dresden, postgraduate foreign exchange student, Council of International Educational Exchange scholar. Co-supervised (with D. Stow).

OTHER PROFESSIONAL GROWTH ACTIVITIES

Research Working Groups

- 2019-2023 Invited member, *Workshop on ecological impacts of solar radiation management geoengineering*, National Science Foundation (J. Gurevitch and P. Zarnaske, PIs)
- 2018 Invited Participant, *Interdisciplinary Workshop on Anthropocene Woodlands*, The Anthropocene Project (<http://anthropocene.au.dk/>), Prof. J-C Svenning, Director BIOCHANGE Center, Aarhus University, Denmark, 11-13 Jun.
- 2015-2016 Invited Member, Working Group, *Translating Neotropical vegetation proxies into reliable paleo-climatic parameters*, (M. Bush, R. van Woesik, conveners), National Institute for Mathematics and Biological Synthesis (NIMBioS), U. Tennessee, Knoxville.
- 2014 Invited Delegate, *Paleosciences-II Workshop*, Nelson Mandela Metropolitan University, George, South Africa, 7-10 July.
- 2013-2015 Invited Member, Working Group, *Biotic Interactions Affect Species Distributions*, NIMBioS, U. Tennessee, Knoxville. (http://www.nimbios.org/workinggroups/WG_biotic_interactions).
- 2012 Invited Delegate, *Workshop on Integrated Paleoscape Modeling for the early Middle and Late Pleistocene of the South Coast of South Africa*. Stellenbosch Institute for Advanced Study, University of Stellenbosch, South Africa, 10-15 Jun
- 2009-2011 Invited Participant, Working Group: *Global Climate Change and Adaptation of Conservation Priorities*, Organizers: Lee Hannah (Conservation International) and Rebecca Shaw (The Nature Conservancy), National Center for Ecological Analysis and Synthesis, UC Santa Barbara, (Nov 2009; Aug 2010; May 2011).
- 2003 Invited member, Working Group *Setting Priorities and Making Decisions for Conservation Risk Management*, Mark Burgman (Univ. Melbourne), National Center for Ecological Analysis and Synthesis, UCSB, 5-12 Jun, Santa Barbara, CA.
- 2003 Invited Participant, Tenth Carey Conference, *Ecosystem Function in Heterogeneous Landscapes*, Institute for Ecosystem Studies, Apr 29 – May 1, Millbrook, New York.

Talks Given at Professional Meetings (presented by first author unless otherwise noted; students; postdoctoral associates)

- 2023 *Backus, G.A., Rose, M.B., Velazco, S.J.E., Franklin, J.*, Syphard, A.D., Regan, H.M., Population decline for plants in the California Floristic Province: Does ecology or geography determine vulnerability?, Ecological Society of America [annual meeting](#), Portland, OR, 6-11 Aug.
- 2023 [Symposium](#): Collaborative Indigenous Stewardship for Resilient Restoration and Climate Adaptation (M. Jennings, Symposium Organizer; **Franklin, J.**, Panel member). International Association of Landscape Ecology – North America, [Annual meeting](#), Riverside CA, Mar 19-23.
- 2023 Rose, M.B., **Franklin, J.**, and Larios, L., Mapping vegetation cover using UAV imagery to guide restoration and monitoring of a rare riparian shrub ecosystem in southern California, Santa Ana River Symposium, Redlands, CA, Feb 1-2.

- 2022 *Backus, G.A., Franklin, J., Kim, S.Y., Rose, M.B.,* Syphard, A.D., *Velazco, S.J.E.,* Regan, H.M., Modeling the combined effects of climate change, demography, and fire on Californian plant population dynamics, Ecological Society of America [annual meeting](#), Montreal, CA, 14-19 Aug.
- 2022 *Ramachandran, A., Huxley, J., McFaul, S., Schauer, L., Solis, M., Madsen-McQueen, T., McCann, E., Diez, J. Franklin, J., Logan, D., Rose, M.B.,* Spasojevic, M., Ontogenetic shifts in assembly processes set the stage for biodiversity change in a forest dynamics plot, Ecological Society of America [annual meeting](#), Montreal, CA, 14-19 Aug.
- 2022 *Rodriguez, C., Franklin, J.,* Larios, L., *Brassica tournefortii*, an invasive plant species, tolerates more stressful climates in its invaded than in its native range, Society for Advancing Chicanos/Hispanics and Native Americans in Science (SACNAC) National Diversity in STEM Conference, 22-29 Oct, San Juan Puerto Rico
- 2021 Phoebe L Zarnetske, Jessica Gurevitch, **Janet Franklin**, Alan Robock, Jessica Hellmann, *Lili Xia, Shan Kothari, Daniele Visionsi,* Cheryl S Harrison, Cheng-En Yang, Jin Wu, Peter M Groffman, Simone Tilmes, Forrest M. Hoffman, Brendan Clark, Jonathan Knott and Kim Scherrer, Climate Intervention, Mitigation, Adaptation, and Restoration Solutions: Interdisciplinary Development and Evaluation of Safety and Efficacy. American Geophysical Union Fall Meeting, New Orleans, LA, 13-17 Dec. <https://agu.confex.com/agu/fm21/prelim.cgi/Paper/906205>
- 2021 *Lili Xia, Alan Robock, Simone Tilmes, Daniele Visionsi, Ben Kravitz, Jin Wu, Shan Kothari, Jon Knott, Cheng-En Yang, Forrest M. Hoffman, Phoebe Zarnetske, Janet Franklin,* Jessica Gurevitch, Brendan Clark and Jyoti Singh, Natural Vegetation Responses in Geoengineering Model Intercomparison Project (GeoMIP) G6 Experiments. American Geophysical Union Fall Meeting, New Orleans, LA, 13-17 Dec.
- 2021 *Ocon, J., Ibanez, T., Franklin, J., Pau, S., Keppel, G, Rivas-Torres, G., Shin, M. E., Gillespie, T.W.,* A global analysis of tropical dry forest extent and cover based on climatic definitions. American Geophysical Union Fall Meeting, New Orleans, LA, 13-17 Dec. <https://agu.confex.com/agu/fm21/prelim.cgi/Paper/804769>
- 2021 *Rodriguez, C., Franklin, J.,* Larios, L., Assessing the role of climatic niche shifts in facilitating the spread of *Brassica tournefortii* (Sahara mustard), Society for Advancing Chicanos/Hispanics and Native Americans in Science (SACNAC) Conference (virtual), 25-29 Oct.
- 2021 *Xia, L., Robock, A., Tilmes, S., Visionsi, D., Kravitz, B., Wu, J., Kothari, S., Knott, J., Yang, C-E, Hoffman, F, Zarnetske, P., Franklin, J.,* Gurevitch, J., Clark, B., and Singh J. Natural Vegetation Responses in Geoengineering Model Intercomparison Project (GeoMIP) G6 Experiments, CEC21 Climate Engineering in Context 2021 Conference (virtual), 4-8 Oct.
- 2021 Hellmann, J., **Franklin, J.**, Gurevitch, J., Harrison, C., Knott, J., Robock, A., *Visionsi, D.,* Tilmes, S., *Xia, L.,* Zarnetske, P. Beyond impact: Ecology helping to guide scenarios of climate intervention, Ecological Society of America Annual Meeting (virtual), 2-6 Aug.
- 2021 *Huang, Yi, Brooke Rose, Santiago Velazco, Janet Franklin, Glen Morrison, Tom Parker, Jon Keeley, Amy Litt.* Preliminary investigation on the niche overlap among *Arctostaphylos* species in the California Floristic Province (Oral Presentation in Botany 2021 Virtual Conference), 18-23 Jul.

- 2021 **Franklin, J.**, Regan, H.M., Syphard, A.D., The roles of spatial factors and species traits in determining the vulnerability of plant species to global change, International Association of Landscape Ecology – North America 2021 Annual Meeting, Reno, NV (virtual); 12-16 Apr.
- 2021 Rose, B., **Franklin, J.**, Regan, H.M., How do spatial range traits influence exposure to global change drivers for endemic plants in the California Floristic Province?, International Association of Landscape Ecology – North America 2021 Annual Meeting, Reno, NV (virtual); 12-16 Apr.
- 2020 Madsen-McQueen, T. **Franklin, J.**, Spasojevik, M., Tracing the fingerprint of climate change: 40 years of vegetation response across a dryland elevation gradient, Ecological Society of America Annual Meeting (virtual), 2-7 Aug.
- 2020 Gurevitch, Jessica, Phoebe Zarnetske, **Janet Franklin**, Peter M. Groffman, Cheryl Harrison, Jessica Hellmann Forrest M. Hoffman, Alan Robock, Simone Tilmes, Jin Wu, *Lili Xia* and Chang-En Yang, Potential ecological impacts of climate intervention by solar radiation modification, Ecological Society of America Annual Meeting (virtual). 2-7 Aug.
- 2020 Ocon, J., Gillespie, T.W., Ibanez, T., Keppel, G, Pau, S., **Franklin, J.**, Rivas-Torres, G., Shin, M. A global analysis of tropical dry forest extent and cover based on climatic definitions, Ecological Society of America Annual Meeting (virtual), 2-7 Aug.
- 2020 Andrade, R., K. Larson, **J. Franklin**, S. B. Lerman, Linking attitudes toward birds to bird community composition, International Association of Landscape Ecology – North America, Toronto, CA (virtual), 10-14 May.
- 2020 Marean, C.W., Cowling, R.M., Franklin, J., A Paleocological Model for the Palaeo-Agulhas Plain, a Crucial Ecosystem for Early Modern Humans on the south coast of South Africa, Paleoanthropology Society Meeting, Los Angeles, CA (virtual), 14-15 Apr.
- 2019 **Franklin, J.**, Geospatial data for forecasting global change impacts on ecosystems, **Invited Plenary Talk**, GeoComputation 2019. Queenstown, New Zealand, 18-21 Sep.
- 2019 Andrade, R., K. Larson, **J. Franklin** and S. B. Lerman, Understanding the mechanisms driving householder evaluations of an urban bird community, Ecological Society of America Annual Meeting, Louisville, KY. 11-16 Aug.
- 2019 Serra-Diaz, J.M., Yu, L., Maxwell, C., Scheller, R., Thompson, J., **Franklin, J.**, Do we need disturbances to project species distributions? Insights from Temperate and Mediterranean forests. International Association of Landscape Ecology World Congress, Milan, Italy, 1-5 Jul.
- 2019 Rowan, J., **Franklin, J.**, et al. Phylogenetic and functional trait structure of tropical mammal assemblages is shaped by late Quaternary climate change and human impacts, Evolution 2019, Providence RI, 21-15 Jun.
- 2019 Marean, C.W., Cowling, R.M., **Franklin, J.**, A model of the extinct Palaeo-Agulhas Plain ecosystem in southernmost Africa, Society for American Archaeology Meeting, Albuquerque, NM, 10-14 April 2019.
- 2019 Marean, C.W., Cowling, R.M., **Franklin, J.**, A general model of the Palaeo-Agulhas Plain, South African Society for Quaternary Research biannual meeting, Mossel Bay, ZA Jan 28 – Feb 1 2019.

- 2019 Andrade, R., K. Larson, **J. Franklin** and Swan, C. Land management and household characteristics mediate the effect of environmental and spatial processes on species assemblages in residential landscapes, CAP LTER Annual Symposium and All Scientists Meeting, Tempe, AZ, 11 Jan.
- 2018 *Fricker, G.A.*, **Franklin, J.**, North, M., Davis, F.W., *Synes, N.*, Wolf, J.A., Deep Images require Deep Learning: A Pixel-Based Convolutional Neural Network Classifier Can Accurately Identify Tree Species Using Imaging Spectroscopy. Poster Presentation. American Geophysical Union, Fall Meeting, Washington D.C. (12 December)
- 2018 Davis, F. W., *Fricker, G. A.*, *Synes, N.*, **Franklin, J.**, Serra-Diaz, J. and North, M., NEON LIDAR data for cross-scale analysis of forest-climate relationships. Symposium: Innovative Continental-scale Ecological Research Enabled by NEON (National Ecological Observatory Network), Ecological Society of America Annual Meeting, New Orleans (5-10 Aug)
- 2018 **Franklin, J.**, Vegetation Science Answers Big Questions When We Work Together, **Invited Plenary Talk**, Annual Symposium of the International Association of Vegetation Science, Bozeman, MT, 23-27 Jul 2018.
- 2018 **Franklin, J.**, Vegetation patterns and dynamics in the Anthropocene, **Invited**, Anthropocene Woodlands Workshop, AURA, Aarhus University, Aarhus DK, 11-14 Jun 2018.
- 2018 Hofer, G., **Franklin, J.**, Herzog, F., Farmland Biodiversity Monitoring Practice in Europe and North America, 5th European Congress on Conservation Biology, Jyväskylä, Finland 12-15 Jun. DOI: 10.17011/conference/eccb2018/107600
- 2018 **Franklin J.**, Vulnerability of chaparral plant functions types to multiple stressors: climate, fire, and land use change, **Invited**, 3rd Chaparral Workshop, USDA Forest Service, Arcadia CA, 14-16 May.
- 2018 **Franklin J.**, Steadman, D.W., Ice age songbirds in The Bahamas, 7th International Conference on Environmental Future: Humans and island environments, Honolulu, Hawai'i, 16 – 20 April 2018
- 2018 Franklin Rey, S., **Franklin, J.**, Rey, S. J., Plastic pollution on island beaches – a teachable moment, 7th International Conference on Environmental Future: Humans and island environments, Honolulu, HI, 16 – 20 April 2018
- 2018 Steadman, D.W., *Oswald, J.A.*, Takano, O.M., **Franklin J.**, Three extirpated Ice-Age birds in The Bahamas, American Ornithology 2018, Tucson AZ, 9 – 14 Apr 2018
- 2018 *Fricker, G. A.*, Wolf, J., *Synes, N.*, Davis, F. W., North, M. and **Franklin, J.**, Using a Convolutional Neural Network classifier and high-resolution remote sensing to identify individual tree species in a mixed conifer forest in the Southern Sierra Nevada Mountains, California, American Association of Geographers Annual Meeting, New Orleans, LA, 10-14 Apr
- 2017 *Fricker, G.A.* and **Franklin, J.**, Predicting forest structure over an elevational gradient in the Southern Sierra Nevada Mountains using high resolution airborne remote sensing. Plant Adaptations to a Changing Climate. 15th Annual Center for Plant Cell Biology (CEPCEB) Fall Symposium, University of California, Riverside, CA (8 Dec)

- 2017 Davis, F. W., *Synes, N., Fricker, G. A., Serra-Diaz, J. M.*, McCullough and **Franklin, J.**, Seasonally dynamic influence of canopy and topography on surface temperatures in the Sierra Nevada, California. Ecological Society of America Annual Meeting, Portland, OR, 6-11 Aug
- 2017 *Synes, N., Fricker, G. A., Serra-Diaz, J. M.*, Davis, F. W. and **Franklin, J.** Seasonal variability in the influence of canopy and topography on microclimate temperature, International Association for Landscape Ecology-US Chapter, Baltimore, MD, 9-13 Apr
- 2017 *Fricker, G. A., Synes, N., Serra-Diaz, J. M.*, Davis, F. W. and **Franklin, J.** Predicting forest structure over an elevational gradient in the Southern Sierra Nevada Mountains using high resolution airborne remote sensing, International Association for Landscape Ecology-US Chapter, Baltimore, MD, 9-13 Apr
- 2017 Andrade, R., **Franklin J.** and H. L. Bateman, and Predicting waterbird diversity hotspots in an urban landscape, International Association for Landscape Ecology-US Chapter, Baltimore, MD, 9-13 Apr
- 2017 Andrade, R., K. Larson, and **J. Franklin**. Social-spatial analyses of environmental attitudes in Phoenix, Arizona, CAP LTER Annual Symposium and All Scientists Meeting, Tempe, AZ, 13 Jan.
- 2017 **Franklin, J.**, Steadman, Natural vs. Human-caused Faunal Change in the West Indies since the late Pleistocene, International Biogeographical Society, Tucson, AZ, 9-12 Jan.
- 2016 Hulshof De La Peña, C. and **Franklin, J.**, Co-organizers, Organized Oral Session, "Seasonally dry tropical forests in the Anthropocene: Emerging trends from the Americas and the Caribbean," Ecological Society of America Annual Meeting, Ft. Lauderdale, FL, 8-12 Aug
- 2016 McCullough, I.M., Davis, F.W., *Dingman, J.*, Flint, L.E., Flint, A.L., *Serra-Diaz, J. M.*, Syphard, A.D., Moritz, M.A., Hannah, L., **Franklin, J.**, High and dry: high elevations disproportionately exposed to regional climate change in Mediterranean-climate landscapes, Ecological Society of America Annual Meeting, Ft. Lauderdale, FL, 8-12 Aug
- 2016 Herzog, F., **Franklin, J.**, A review of farmland biodiversity monitoring in North America and Europe, EcoSummit 2016, Montpellier, FR, 29 Aug-1 Sep
- 2016 Banda-R., K., Weintritt, J., Dexter, K. Prado, D., **Franklin, J.**, Pennington, R.T, Tree inventory as a valuable tool for IUCN Red List assessments, Association for Tropical Biology and Conservation annual meeting, Montpellier, FR, 21-25 Jun
- 2016 **Franklin, J.**, *Serra-Diaz, J. M.*, Davis, F.W., *Sweet, L.*, McCullough, I., Syphard, A.D., California's Forests Navigate Complex Terrain in a Changing Climate, American Association for the Advancement of Science (AAAS) Pacific Division Annual Meeting, San Diego, CA, 14-17 Jun
- 2016 Steadman, D.W., **Franklin, J.**, Mead, J.I., *Soto-Centano, J.A.*, Albury, N.A., Natural vs. Human-caused Extinctions of Terrestrial Vertebrates in the Bahamas, Society for American Archaeology Meeting, San Orlando, FL, 6-10 Apr

- 2016 Inman, R., Esque, T., Edwards, T., Nussear, K., Fotheringham, S., **Franklin, J.**, A tale of two tortoises and tiny local t-values, International Association for Landscape Ecology-US Chapter, Asheville, NC, 3-7 Apr
- 2016 Steadman, D.W, Albury, N.A., **Franklin, J.**, Extirpation and survival of Abaconian birds before and after human arrival. Bahamas Natural History Conference, Nassau, Bahamas, 14-17 Mar
- 2016 Steadman, D.W, Albury, N.A., **Franklin, J.**, Extirpation and survival of Abaconian birds before and after human arrival. Abaco Science Alliance Conference, Abaco, Bahamas, 6-9 Jan
- 2015 Rowan, J., **Franklin, J.**, Reed, K.E., Late Pleistocene biogeography and climatic niche evolution in plains zebra *Equus quagga* and blue wildebeest *Connochaetes taurinus*, Society of Vertebrate Paleontology Annual Meeting, Dallas TX, 14-17 Oct
- 2015 Godsoe, W., Adler, F., Araujo, M., *Blanchet, G.*, Bode, M., Buckley, L., Cosner, G.C., **Franklin, J.**, Holland, N.J., Jager, H., Jankowski, J., Kendall, B.E., King, A.W., Oskainen, O., Snyder, R.E., Holt, R.D., Gravel, D., Coexistence theory provides the key to integrating species interactions into predictions of species' range limits, Ecological Society of America Annual Meeting, Baltimore, MD, 9-14 Aug
- 2015 Franklin, S.B., Faber-Langendoen, D., Peet, R.K., Keeler-Wolf, T., Roberts, D.W., Muldavin, E., **Franklin, J.**, The US National Vegetation Classification (UNVC) proposal review process, Ecological Society of America Annual Meeting, Baltimore, MD, 9-14 Aug (Poster)
- 2015 *Serra-Diaz, J.M.*, *Sweet, L.*, McCullough, I., **Franklin, J.**, Davis, F.W. (and 12 other authors) Projected seedling survival pulses in California forests: migration versus potential for local persistence, Ecological Society of America Annual Meeting, Baltimore, MD, 9-14 Aug
- 2015 **Franklin, J.**, *Serra-Diaz, J.M.*, Syphard, A., Regan, H.M., Linking Big Data Across Scales to Forecast Plant Community Dynamics, **Invited**, Symposium: *Plant ecology in the age of big data and informatics*, Ecological Society of America Annual Meeting, Baltimore, MD, 9-14 Aug
- 2015 Steadman, D.W., **Franklin, J.**, Changes in the Bahamas bird community since the last Ice Age, American Ornithologists' Union and Cooper Ornithological Society, Lincoln, NE, 28 Jul-2 Aug
- 2015 Syphard, A.D., *Serra Diaz, J.M.*, Regan, H.H., **Franklin, J.**, Davis, F.W., The role of microenvironments, competition, and disturbance in mediating species' response to climate change across dynamic landscapes, International Association for Landscape Ecology World Congress, Portland OR, 5-10 Jul
- 2015 Herzog, F., **Franklin, J.**, Biodiversity monitoring in agricultural landscapes: why – what – where- when? International Association for Landscape Ecology World Congress, Portland OR, 5-10 Jul
- 2015 **Franklin, J.**, Steadman, D.W., *Soto-Centano, J.A.*, *Hastings, A.K.*, Faunal and Landscape Change in the Bahamas since the late Pleistocene, Association of American Geographers Annual Meeting, Chicago, IL, 21-25 Apr
- 2015 Potts, A.J., Marean, C.W., Anderson, R.J., Bar-Matthews, M., *Braun, K.*, Cawthra, H.C., Cowling, R.M., Engelbrecht, F., Esler, K.J., Fisher, E., **Franklin, J.**, Hill, K., Janssen, M., Shook,

- E., Zahn, R., A New Research Strategy for Integrating Studies of Paleoclimate, Paleoenvironment, and Paleoanthropology, Society for American Archaeology Meeting, San Francisco, CA, 16-18 Apr
- 2015 Engelbrecht, F., Nkoana, R., Cowling, R.M., Fisher, E., **Franklin, J.**, Marean, C.W., O'Neal, D., Potts, A.J., Shook, E., Detailed dynamic modelling of glacial climate over the Cape south coast of South Africa, Paleoanthropology Society Meeting, San Francisco, CA, 14-15 Apr (given by RN)
- 2015 Syphard, A.D., Regan, H.H., **Franklin, J.**, Plant species persistence under climate change in the context of multiple threats, California Native Plant Society, San Jose, CA, 13-17 Jan
- 2014 *Conlisk, E.*, Syphard, A.D., **Franklin, J.**, Regan, H.H., Predicting the impact of fire on a vulnerable multi-species community with a dynamic vegetation model. Ecological Society of America Annual Meeting, Sacramento, CA, 10-15 Aug
- 2014 **Franklin, J.**, Envisioning the future: uses of vegetation mapping as a tool for spatially explicit habitat modeling and conservation planning. *Organized Oral Session: Mapping with the US National Vegetation Classification*. Ecological Society of America Annual Meeting, Sacramento, CA, 10-15 Aug
- 2014 *Serra-Diaz, J.M.*, **J. Franklin**, F. W. Davis, Syphard, A. D., Regan, H. M., L. Sweet, I. McCullough, J. Dingman, A. L. Flint, L. E. Flint, A. Hal, L. Hannah, M. Moritz, K. Redmond, M. North. micro2Macro – connecting microenvironments to macroecology- California forests under climate change (poster.) Workshop HETEROCLIM: The Response of Organisms to Climate Change in Heterogeneous Environments, Loches, France, 12-14 Jun
- 2014 *Sweet, L. C.*, F. W. Davis, J. Franklin and I. McCullough, Predicting tree species recruitment mountainous environments; scaling up from the plot to the landscape. *Special Symposium: Impacts of global change – linking across scales*. Annual Symposium, International Association for Landscape Ecology-US Chapter, Anchorage, AK, 18-22 May
- 2014 *Serra-Diaz, P.*, **Franklin, J.**, Syphard, A. D., Regan, H. M., Scheller, R. Microenvironment controls on landscapes: a finer look to global change. *Special Symposium: Impacts of global change – linking across scales*. Annual Symposium, International Association for Landscape Ecology-US Chapter, Anchorage, AK, 18-22 May
- 2014 *Serra-Diaz, P.*, **Franklin, J.**, Ninyerola, M., Davis, F. W., Syphard, A. D., Regan, H. M. and *Ikegami, M.* The pace of species exposure to climate change. Annual Symposium, International Association for Landscape Ecology-US Chapter, Anchorage, AK, 18-22 May
- 2014 Steadman, D.W, N.A. Albury, P. Maillis, J.I. Mead, J.E. Slapcinsky, K.L. Krysko, H.M. Singleton and **J. Franklin**, The Gilpin Point Site: Faunal and Landscape Change on Abaco 900 Years Ago. Abaco Science Alliance Conference, Marsh Harbour, The Bahamas, Jan 17-19.
- 2014 Ripplinger, J., **J. Franklin** and D.W. Steadman, Birds That Lived on the Little Bahama Bank During the Last Ice Age. Abaco Science Alliance Conference, Marsh Harbour, The Bahamas, Jan 17-19.
- 2013 Rueda-Cediel, P., K.E. Anderson, T.J. Regan, **J. Franklin**, H.M. Regan. How does the quality and quantity of time series data affect extinction risk and population decline estimates in

- population viability analysis? (poster) 98th Annual Meeting for the Ecological Society of America, Minneapolis, MN, USA. August 4-9, 2013.
- 2013 **Franklin, J.** and D. W. Steadman, Changing forest cover in the northern Bahamas affects the availability of habitat for migratory landbirds, Annual Symposium, International Association for Landscape Ecology-US Chapter, Austin TX, 14-18 Apr <http://www.usiale.org/austin2013/>
- 2013 Ripplinger, J. and **Franklin, J.**, Modeling human-vegetation feedbacks across scales in arid urban landscapes, Annual Symposium, International Association for Landscape Ecology-US Chapter, Austin TX, 14-18 Apr <http://www.usiale.org/austin2013/>
- 2012 Ripplinger, J. and **J. Franklin**, Boom-bust episodes alter plant species diversity patterns in arid urban landscapes (poster), LTER (Long Term Ecological Research) All Scientists Meeting, Estes Park, Colorado, CA, 10-13 Sep. <http://asm2012.lternet.edu/>
- 2012 *Bonebrake, T. C.*, Syphard, A. D., Regan, H. M., **Franklin, J.**, Anderson, K. A., Land conservation and reintroduction strategies alleviate urbanization and climate change impacts on a rare shrub species, Ecological Society of America Annual Meeting, Portland, OR, 5-10 Aug.
- 2012 *Conlisk, E.*, A.D. Syphard, **J. Franklin**, L. Flint, A. Flint, and H.M. Regan. A sensitivity analysis of spatially dynamic population models of global change. 97th Annual Meeting for the Ecological Society of America, Portland, OR, USA. August 5-10, 2012.
- 2012 Beltrán, B. J., **J. Franklin**, A. D Syphard and H. M. Regan, Effects of Climate Change and Urban Development on the Distribution and Protection of Plant Functional Types in a Mediterranean-type Ecosystem, Annual Symposium, International Association for Landscape Ecology-US Chapter, Newport RI, 8-12 Apr.
- 2012 Ripplinger, J. and **J. Franklin**, Plant species diversity in arid urban landscapes responds to land use, landscape aesthetics, and socioeconomic shock, Annual Symposium, International Association for Landscape Ecology-US Chapter, Newport RI, 8-12 Apr.
- 2012 **Franklin, J.**, F. W. Davis, *L. C. Sweet*, A. Shepard and S. McKnight, Do topographically-mediated microenvironments govern regional plant distributions?, *NASA-MSU Symposium: Environmental sensors and loggers: New approaches to characterizing heterogeneity and applications in landscape ecology* (T. Albright, Organizer), Annual Symposium, International Association for Landscape Ecology-US Chapter, Newport RI, 8-12 Apr.
- 2012 Beltrán, B. J., **J. Franklin**, A. D Syphard and H. M. Regan, Can conservation planning areas help endemic plants in California's southwest Ecoregion under climate change?, California Native Plant Society 2012 Conservation Conference, San Diego, CA, 10-14 Jan.
- 2012 Bozzolo, F., D. Lipson and **J. Franklin**, Importance of soil microbes and nitrogen sources for native and exotic plant species in coastal sage scrub, California Native Plant Society 2012 Conservation Conference, San Diego, CA, 10-14 Jan.
- 2012 Ripplinger, J. and J. Franklin, CAP LTER Plant Species Diversity Responds to Land Use and Landscape Aesthetics (poster), CAP LTER All-Scientists Meeting, Phoenix, AZ, 13 Jan

- 2012 **Franklin, J.**, D. W. Steadman and P. L. Fall, Long-term dynamics and resilience of terrestrial plant and animal communities in the Bahamas (poster), Abaco Science Alliance Conference, Marsh Harbor, Abaco, The Bahamas, 6-7 Jan
- 2011 Bozzolo, F., D. Lipson and **J. Franklin**, Nitrogen assimilation pathways in native and exotic plant species in Southern California Coastal Sage Scrub, Ecological Society of America Annual Meeting, Austin TX, 7-12 Aug.
- 2011 Syphard, A. D, H. M. Regan, **J. Franklin**, R. Swab and *E. Coslink*, A modeling framework for assessing adaptation strategies for plants threatened by climate, land use, and altered fire regimes in Mediterranean-type ecosystems, European Conference on Ecological Modelling, Riva del Garda, Italy, 30 May – 2 Jun.
- 2011 **Franklin, J.**, A. D. Syphard and H. M Regan. The response of a key plant functional type to the triple threat of land use change, climate change and altered fire regimes in Mediterranean-type ecosystems. Invited paper, symposium: “*Feedbacks & synergisms: mechanisms driving novel ecosystems in the context of climate and land-use changes*,” Association of American Geographers Annual Meeting, Seattle, WA. 12-16 Apr.
- 2011 **Franklin, J.**, H. M Regan, A. D. Syphard, R. Swab and *E. Conlisk*. The response of plant functional types to land use change, climate change and altered fire regimes in a Mediterranean-type ecosystem. Annual Symposium, International Association for Landscape Ecology-US Chapter, Portland, OR, April 3-7.
- 2011 Ripplinger, J. and **J. Franklin**. Assessing spatiotemporal dynamics of plant communities in urban landscapes: Phoenix, Arizona, USA. Annual Symposium, International Association for Landscape Ecology-US Chapter, Portland, OR, April 3-7.
- 2011 Swab, R., H. M. Regan, D. Keith, **J. Franklin**, A. Syphard, T. Regan, M. Ooi and J. Crookston. Which is worse, the fire or the frying pan? Evaluating plant vulnerability to climate change and altered fire regimes. British Ecological Society Annual Symposium 28-30 Mar.
- 2011 Ripplinger, J. and **J. Franklin**. Spatiotemporal patterns of dominant plant species in CAP LTER. CAP LTER Annual Symposium and All Scientists Meeting, Tempe, AZ, Jan 12-13.
- 2011 Swab, R., H. M. Regan, D. Keith, **J. Franklin**, A. Syphard, T. Regan, M Ooi and J. Crookston. Vulnerability of obligate fire seeders to simultaneous changing fire regimes and climate change. International Biogeography Society 5th International Conference, Crete, 7-11 Jan.
- 2010 Davis, F.W., **Franklin, J.**, *Ikegami, M.*, Syphard, A., Flint, A., Hannah, L. Modeling plant species distributions under future climates: how fine-scale do climate models need to be? American Geophysical Union Fall Meeting, San Francisco, CA, 13-17 Dec.
- 2010 Franklin, J., Pervasive effects of human legacies on the dynamics of small island tropical forest communities. Invited Paper, *Symposium on understanding the dynamics of secondary tropical forests*, International Meeting of the Association for Tropical Biology and Conservation, Bali, Indonesia, 19-23 Jul. <http://atbc2010.org/>

- 2010 Lawson, D. M., H. M. Regan, P. H. Zedler and **J. Franklin**. Evaluating the effect of climate change, altered fire regimes and habitat loss on *Ceanothus verrucosus*, Society for Conservation Biology 24th International Congress for Conservation Biology, Edmonton, Alberta, 3-7 July. <http://www.conbio.org/Activities/Meetings/2010>
- 2010* Franklin J. and D. W. Steadman. Patterns of habitat use by migrant and resident landbirds on Abaco. Abaco Science Alliance Conference, Marsh Harbor, The Bahamas, 7-9 Jan 2010.
*Meeting attended by secondary school students and members of the community.
- 2009 Lawson, D. M., H. M. Regan and **J. Franklin**. Developing management strategies for multiple species using population viability models in a highly fragmented landscape in the context of climate change. Strategic Environmental Research and Development Program (SERDP) Conference, Dec. ##-##.
- 2009 Lawson, D. M., H. M. Regan, **J. Franklin** and P. Zedler. Evaluating the effects of climate change on population demographics of *Ceanothus verrucosus*. Special Symposium on Adaptive Climate Change-Proof Conservation Strategies, 2nd European Congress of Conservation Biology, Prague, CZ, 1-5 Sep.
- 2009 Syphard, A. D., **J. Franklin**, H. M. Regan, and D. M. Lawson, Expanding the evaluation of species distribution models to guide their assessment of climate impacts, Symposium on Climate Change Impacts on Species Distributions, Society for Conservation GIS Annual Meeting, Big Bear Lake, CA, 18-21 July.
- 2009 Browning, D. M., S. R. Archer, **J. Franklin**, and D. P. Guertin, Does livestock grazing influence spatial patterns of woody plant proliferation? Ecological Society of America Annual Meeting, Albuquerque, NM, 2-7 August.
- 2009 Syphard, A. D. and **J. Franklin**, Evaluating species distribution models to guide the assessment of climate impacts, Climate Change Congress: "Global Risks, Challenges and Decisions", University of Copenhagen, Copenhagen, Denmark, March 10-12 (poster).
- 2009 Guilliams, C. L., **J. Franklin** and A. D. Syphard. Species distribution modeling of the rare manzanita, *Arctostaphylos rainbowensis*, and implications for conservation of the species in southern California, California Native Plant Society Conservation Conference: Strategies and Solutions, Sacramento, CA, 17-19 January.
- 2008 Lawson, D. M., Regan, H., **Franklin, J.** and Zedler, P., Evaluating the effect of climate change on population demographics of *Ceanothus verrucosus*, Ecological Society of America Annual Meeting, Milwaukee, WI, August 3-8.
- 2008 Syphard, A. D. and **J. Franklin**, The effect of species functional traits and range size on the accuracy of distribution models for plant species in southern California, Ecological Society of America Annual Meeting, Milwaukee, WI, August 3-8.
- 2008 Lawson, D.M., H.M. Regan, P.H. Zedler, **J. Franklin**. Using death assemblages in extant stands of an obligate post-fire seeding shrub *Ceanothus verrucosus*, to inform fire management. Society for Conservation Biology Annual Meeting, Chattanooga, TN, 13-17 July.

- 2008 Crookston, J., Regan, H. M. and Franklin, J., Cumulative effects of altered fire regime and habitat loss on an obligate seeding plant in southern California, Annual Meeting of the Society for Conservation Biology, Chattanooga, TN, 13-17 July. (talk given by H. Regan)
- 2008 Comer Santos, K., C. Tague, A. C. Alberts and **J. Franklin**. Sea turtle nesting on the US Naval Station, Guantanamo Bay, Cuba. 28th Annual symposium on Sea Turtle Conservation, Loreto, Baja California Sur, Mexico, 18-26 January.
- 2007 Lawson, D.M., H.M. Regan, P.H. Zedler, **J. Franklin** and J. Crookston. A stochastic population model for *Ceanothus verrucosus*, an obligate post-fire seeding shrub. Strategic Environmental Research and Development Program, Partners in Environmental Technology Technical Symposium & Workshop. Washington, DC, 4-6 December.
- 2007 Bozzolo, F. H., D. A. Lipson, and **J. Franklin**, Plasticity in preferential nitrogen uptake by perennial woody shrubs, Ecological Society of America/Society for Ecological Restoration Joint Meeting, San Jose, CA, 5-10 August.
- 2007 Lewison, R. and **J. Franklin**, Understanding the bycatch landscape: Spatial patterns of single species and multi-taxa fisheries bycatch, Annual Symposium on Sea Turtle Conservation and Biology, Myrtle Beach, South Carolina, 22 - 28 February.
- 2007 **Franklin, J.**, Predictive modeling of vegetation distributions, *Special Symposium: Bioinformatics: spatial and temporal syntheses of vegetation data* (Conveners: S. Wisser and R. Peet); International Association of Vegetation Science 49th Annual Meeting, Palmerston North, New Zealand, 12-16 February.
- 2007 **Franklin, J.**, Statistical modeling of the distribution and abundance of *Quercus pacifica* and *Q. tomentella* on Catalina Island, Oak Ecosystem Restoration Workshop, Catalina Island Conservancy, Catalina Island, CA, 2-4 February. (Invited).
- 2006 **Franklin, J.**, Spears, L., Deutschman, D. H. and Marsden, K., Impact of the 2003 Cedar Fire on Mixed Conifer Forest in San Diego County, California, USA, *Special Session: Research and management insights from the 2003 Southern California firestorms* (Conveners: J. Keeley, M. Moritz & R. Halsey), Third International Fire Ecology and Management Congress, San Diego, CA, 13-17 Nov. (Invited)
- 2006 **Franklin, J.**, Mapping species distributions: Spatial inference from environmental data, 91st Ecological Society of America Annual Meeting, Memphis, TN, August 6-11.
- 2006 **Franklin, J.**, Biological data for species distribution modeling -- too much, too little, or just not in the right places? *Special Symposium: Predictive habitat modelling in a changing environment* (Conveners: K. van Niel & J. Miller), International Geographical Union Regional Congress, Brisbane, Australia, 3-7 July. (Invited)
- 2006 Syphard, A. D., K. C. Clarke, and **J. Franklin**, Simulating the combined effects of urban growth and high fire frequency on native shrublands in southern California, Association of American Geographers Annual Meeting, Chicago, IL, 7-11 Mar.

- 2005 **Franklin, J.**, Spatial pattern of early and late successional rain forest trees in Tonga, West Polynesia: density dependence or dispersal limitations?, Ecological Society of America- INTECOL 90th annual meeting, Montreal, 7-12 Aug.
- 2005 Syphard, A. D. and **J. Franklin**, Simulating the effects of frequent fire on the distribution of dominant plant functional types in southern California shrublands, 19th Annual Meeting of the Society for Conservation Biology, Brasilia, Brazil, 15-19 July.
- 2005 Rogan, J. and **J. Franklin**, Rate and pattern of land cover modification in California between 1985 and 2000, International Association of Landscape Ecology Annual Symposium, Syracuse, NY, 12-16 March (poster).
- 2004 Syphard, A.D., K.C. Clarke, and **J. Franklin**, Simulating alternative scenarios of habitat fragmentation in southern California native shrublands using a cellular automaton urban growth model, Ecological Society of America annual meeting, Portland, OR, 1-6 August.
- 2004 Smith, L. B. and **J. Franklin J.**, Vegetation community parameters in reserve design for Tonga, 47th annual meeting of the International Association of Vegetation Science, Kailua-Kona, Hawaii, July 18-23, 2004.
- 2004 **Franklin J.**, S. Wiser, D. Drake, L. Burrows and W. Sykes, Environmental gradients and secondary succession affect forest composition in Tonga, Western Polynesia, 47th annual meeting of the International Association of Vegetation Science, Kailua-Kona, Hawaii, July 18-23, 2004.
- 2004 Lieberman, A., D. Stow, J. Rogan and **J. Franklin**, Mapping burn severity in southern California Mediterranean type vegetation using Landsat and IKONOS data, 10th Biennial USDA Forest Service Remote Sensing Applications Conference, Salt Lake City, UT. 5-9 April 2004.
- 2004 Rogan, J., **J. Franklin**, **J. Miller**, and D. Stow. Assessing Uncertainty in Large Area Maps Generated for Land Cover Change Monitoring, TIES / Spatial Accuracy Symposium, Portland, Maine June 28 - July 1.
- 2004 Miller, J. and **J. Franklin**. A Comparison of Methods for Incorporating Spatial Dependence in Predictive Vegetation Models, TIES / Spatial Accuracy Symposium, Portland, Maine June 28 - July 1.
- 2004 Syphard, A.D., K.C. Clarke, and **J. Franklin**, Using a cellular automaton model to forecast the effects of alternate scenarios of urban growth on habitat fragmentation in southern California, 19th Annual Symposium, International Association for Landscape Ecology-US Chapter, Las Vegas, NV, May 30 – Apr 4.
- 2004 Akçakaya, H. R., **J. Franklin**, A. D. Syphard, J. R. Stephenson. Viability of Bell's Sage Sparrow under altered fire regimes: integrating landscape, habitat, and metapopulation modeling approaches. 18th Annual Meeting Society for Conservation Biology, New York, New York, USA, Jul 30 - Aug 2.
- 2004 Rogan, J., **J. Franklin**, and D. Stow. Mapping land cover modifications over large areas: a comparison of machine learning algorithms. Association of American Geographers Annual Meeting, Philadelphia, PA, March 14-19.

- 2003 Hathaway, S. A., **Franklin, J.**, Fisher, R. N., Analyzing herpetofauna museum and survey data and environmental variation to prioritize research and conservation needs. American Society of Ichthyologists and Herpetologists Annual Meeting, 26 Jun – 2 Jul, Manaus, Brazil.
- 2003 **Franklin, J.**, Natural versus human disturbance and the structure of tropical rain forest in the Western Pacific islands, Ecological Society of America, Annual Meeting, August 3-8, Savannah, GA.
- 2003 Thomas, K., **J. Franklin**, T. Keeler-Wolf, P. Stine and B. Anderson, The Mojave Vegetation Map: Central Mojave, 2003 Arid Southwest Lands Habitat Restoration Conference, 3-7 March, Palm Springs, CA
- 2003 Syphard, A. D. and **J. Franklin**, Modeling long-term effects of altered fire regimes and urbanization on vegetation succession, Invited Symposium, Spatio-temporal models in landscape ecology: complex and simple approaches, International Association of Landscape Ecology, World Congress, 13-17 July, Darwin, Australia.
- 2003 Rogan, J., J. Miller, D. Stow, **J. Franklin**, L. Levien and C. Fischer, Land Cover Change Monitoring in Southern California Using Multitemporal Landsat TM and Ancillary Data, American Society of Photogrammetry and Remote Sensing Meeting, May 5-9, Anchorage, Alaska.
- 2003 **Franklin, J.** and A. D. Syphard, Using LANDIS to simulate altered fire regimes in the mediterranean-climate shrublands and montane forests of southern California, The 18th Annual Symposium, International Association for Landscape Ecology-US Chapter, April 2-6, Banff Centre, Alberta, Canada.
- 2003 Miller, J. and **J. Franklin**, A comparison of methods for incorporating spatial dependence in predictive vegetation models, The 18th Annual Symposium, International Association for Landscape Ecology-US Chapter, April 2-6, Banff Centre, Alberta, Canada.
- 2003 Miller, J. and **J. Franklin**, Incorporating spatial dependence in predictive vegetation models, GIS Specialty Group Student Paper Competition, Association of American Geographers, Annual Meeting, 5-8 March, New Orleans, LA.
- 2003 Rogan, J., and **J. Franklin**, A Comparison of Classification Techniques for Mapping Multitemporal Forest Cover Change Using Thematic Mapper Imagery, Remote Sensing Specialty Group Student Paper Competition, Association of American Geographers, Annual Meeting, 5-8 March, New Orleans, LA.
- 2002 **Franklin, J.**, The effects of Tropical Cyclone Waka on the structure of lowland tropical rain forest in Vava`u, Tonga, Ecology 2002: Joint meeting of the Ecological Society of Australia and the New Zealand Ecological Society, 2-6 December, Cairns, Queensland, Australia.
- 2002 Simpson, C., S. Phinn and **J. Franklin**, Monitoring forest fragmentation using landscape pattern metrics, Ecology 2002: Joint meeting of the Ecological Society of Australia and the New Zealand Ecological Society, 2-6 December, Cairns, Queensland, Australia.
- 2002 Syphard A. and **J. Franklin**, Simulation modeling of the long term effects of altered fire regimes on vegetation succession in the Peninsular Ranges of San Diego County, 2002 Fire Conference,

- Association of Fire Ecology and Western Section of the Wildlife Society, December 2-5, San Diego CA.
- 2002 Rogan, J. and **J. Franklin**, Application of spectral mixture analysis to moderate and high spatial resolution imagery of burned areas, 2002 Fire Conference, Association of Fire Ecology and Western Section of the Wildlife Society, December 2-5, San Diego CA.
- 2002 Rogan, J., **J. Franklin**, D. Stow, L. Levien and C. Fischer, Evaluating operational methods for California land cover mapping and monitoring program, 2002 Fire Conference, Association of Fire Ecology and Western Section of the Wildlife Society, December 2-5, San Diego CA. (poster)
- 2002 Miller, J. and **J. Franklin**, Incorporating spatial dependence in predictive vegetation maps (juried oral presentation, 140 submitted, 70 accepted), GIScience 2002, Second International Conference on Geographic Information Science, September 25-28, Boulder, Colorado.
- 2002 Rogan, J., P. C. Kyriakidis, **J. Franklin**, and D. Stow, Evaluation of Thematic Change Map Classification Accuracy Using Geostatistical Methods (juried poster presentation, 130 submitted, 20 accepted), GIScience 2002, Second International Conference on Geographic Information Science, September 25-28, Boulder, Colorado.
- 2002 Miller, J. and **J. Franklin**, Predictive Vegetation Models of Four Alliances Using Spatial Dependence, ERSI Users Conference, 8-12 July, San Diego, CA. Most Analytical Award, Poster Presentation, San Diego Geography Showcase.
- 2002 **Franklin, J.**, The effect of altered fire regimes on vegetation patterns in southern California, **Invited Plenary Talk**, International Association of Landscape Ecology – US Chapter, Annual Symposium, 23-7 April, Lincoln, Nebraska.
- 2002 Rogan, J., D. Stow, **J. Franklin** and D. A. Roberts, Evaluating the utility of a space-varying haze equalization algorithm in multitemporal remote sensing applications, USDA Forest Service Ninth Biennial Remote Sensing Applications Conference, 8-12 April 2002, San Diego, California. (poster)
- 2002 **Franklin, J.**, *J. Rogan, D. Stow, J. Miller, L. Levien and C. Fischer Operational detection of changes in forest and shrub cover in California using multitemporal Landsat data, USDA Forest Service Ninth Biennial Remote Sensing Applications Conference, 8-12 April 2002, San Diego, California.
- 2002 Rogan, J., **J. Franklin**, D. Stow, J. Miller, L. Levien and C. Fischer A comparison of classification techniques for mapping multitemporal changes in forest cover using Thematic Mapper imagery, USDA Forest Service Ninth Biennial Remote Sensing Applications Conference, 8-12 April 2002, San Diego, California.
- 2002 Stow D., L. Coulter, A. Hope, E. Witzum, A. Johnson, A. Peterson, A. Wall, J. O'Leary and **J. Franklin**, Monitoring habitat reserves using high spatial resolution image data, USDA Forest Service Ninth Biennial Remote Sensing Applications Conference, 8-12 April 2002, San Diego, California.

- 2002 Miller, J. and **J. Franklin**, Modeling vegetation alliances in the Mojave Desert with spatial dependence, USDA Forest Service Ninth Biennial Remote Sensing Applications Conference, 8-12 April 2002, San Diego, California. (poster)
- 2002 Lieberman, A., D. Stow and **J. Franklin**, An Evaluation Of Kauth Thomas And Normalized Burn Ratio Enhancement Techniques For Delineating Burn Severity, USDA Forest Service Ninth Biennial Remote Sensing Applications Conference, 8-12 April 2002, San Diego, California.
- 2002 Miller, J. and **J. Franklin**, Modeling vegetation alliances in the Mojave Desert with spatial dependence, Association of American Geographers, Annual Meeting, Los Angeles, California, 19-23 March 2002. (*2nd Place Student Illustrated Paper Competition*)
- 2002 Rogan, J. and **J. Franklin**, A comparison of classification techniques for mapping multitemporal forest cover change using Thematic Mapper imagery, Association of American Geographers, Annual Meeting, Los Angeles, California, 19-23 March 2002. (*Best Student Paper in Remote Sensing*)
- 2001 Elliott, P., R. Reed and **J. Franklin**, The valuation of national parks – analysis, methodology and application, The Inaugural IASCP (International Association for the Study of Common Property) Pacific Regional Meeting, 2-4 September, Brisbane, Australia.
- 2001 Rogan, J., J. Franklin, D. Stow, L. Levien and C. Fischer, Toward Operational Monitoring of Forest Cover Change in California Using Multitemporal Remote Sensing Data, IGARSS 2001 International Geoscience and Remote Sensing Symposium, Sydney, Australia, 9-13 July, 2001.
- 2001 Rogan, J., and **J. Franklin**, Mapping burn severity in southern California using spectral mixture analysis, IGARSS 2001 International Geoscience and Remote Sensing Symposium, Sydney, Australia, 9-13 July, 2001.
- 2001 **Franklin, J.**, Simulating the effects of altered fire regimes on plant succession in the shrublands and forests of Southern California using LANDIS, International Association of Landscape Ecology-US Chapter, Annual Symposium, Tempe, AZ, April 25-29, 2001.
- 2001 Miller, J. and **J. Franklin**, Mapping the distribution of vegetation alliances in the Mojave Desert Ecoregion, Association of American Geographers, Annual Meeting, New York, New York, Feb 27-Mar 3, 2001.
- 2001 Rogan, J. and **J. Franklin**, Mapping fire severity in southern California using Spectral Mixture Analysis techniques, Association of American Geographers, Annual Meeting, New York, New York, Feb 27-Mar 3, 2001.
- 2000 Stow, D., L. Coulter, J. O'Leary, A. Hope, and **J. Franklin**, Monitoring of habitat reserve systems using remotely sensed data with very high spatial resolution, MEDECOS 2000 Conference on Mediterranean Type Ecosystems, Cape Town, South Africa, 11-15 Sep, 2000.
- 2000 **Franklin, J.** Simulating the effects of different fire regimes on plant communities in Southern California using the LANDIS model, MEDECOS 2000 Conference on Mediterranean Type Ecosystems, Cape Town, South Africa, 11-15 Sep, 2000.

- 2000 Scull, Peter, Janet Franklin, Oliver Chadwick, Predictive Soil Modeling in the Mojave Desert Eco-Region, 4th International Conference on Integrating GIS and Environmental Modeling, Banff, Alberta, Canada, 2-8 Sep, 2000.
- 2000 **Franklin, J.**, Predicting the distribution of vegetation communities from environmental variables in the Mojave Desert Ecoregion. Ecological Society of America, Annual Meeting, Snowbird, UT, 6-10 Aug, 2000.
- 2000 Scull, P., **J. Franklin**, O. Chadwick and D. Lund, Predictive soil modeling from geo-spatial data in the Mojave Desert. Association of American Geographers, Annual Meeting, Pittsburgh, PA, 4-8 Apr, 2000.
- 2000 Rogan, J. and **J. Franklin**, Processing multitemporal TM imagery to extract forest cover change features in Cleveland National Forest. Association of American Geographers, Annual Meeting, Pittsburgh, PA, 4-8 April, 2000 (*Best Student Paper in Remote Sensing*).
- 1999 Thomas, K. A., T. Keeler-Wolf, and **J. Franklin**. Scale-dependent environmental variables and their influence on vegetation distribution in the Mojave Desert (paper given by **J. Franklin**). Predicting Species Occurrences: Issues of Scale and Accuracy, Snowbird UT, October 18-22, 1999.
- 1999 **Franklin, J.**, K. A. Thomas, T. Keeler-Wolf, and P. Stine. The Mojave Vegetation Mapping Project: Vegetation Classification, Modeling and Mapping (poster). International Association of Landscape Ecologists, Snowmass CO, July 29-Aug 3, 1999.
- 1998 **Franklin, J.**, K. A. Thomas, T. Keeler-Wolf, P. Stine and D. Shaari. The Mojave Vegetation Mapping Project: Vegetation Classification, Modeling and Mapping (poster). 19th ESRI Users Conference, San Diego CA, July 26-20, 1999.
- 1999 Rogan, J. M. and **J. Franklin**. Monitoring alteration in regional forest structure using multitemporal remote sensing (poster). 19th ESRI Users Conference, San Diego CA, July 26-20, 1999. Most Analytical Award, Poster Presentation, San Diego Geography Showcase.
- 1999 Freifeld, H., B., Steadman, D. W, **Franklin, J.**, Conservation Status of Forests and Vertebrate Communities in the Vava'u Island Group, Tonga, (paper given by H. B. Freifeld) Association of American Geographers, Annual Meeting, Honolulu, HI, March 23-27, 1999.
- 1999 **Franklin, J.**, D. Shaari and T. Keeler-Wolf, Stratified sampling for field survey of environmental gradients to define vegetation alliances in the Mojave Desert, (paper given by David Shaari) Association of American Geographers, Annual Meeting, Honolulu, HI, March 23-27, 1999.
- 1999 Franklin, J., Vegetation mapping on National Forest lands in California using remote sensing and GIS (invited talk, special session on remote sensing , GIS and forest landscape assessment), Association of American Geographers, Annual Meeting, Honolulu, HI, March 23-27, 1999.
- 1998 Klopatek, J. M., R. C. Balling, Jr., A. W. Brazel, **J. Franklin** and C. J. Watts, Land-use change along the United States-Mexico border: ecosystem effects and climate feedbacks, SCERP Technical Conference, El Paso, TX, Sep 1998.

- 1998 Hines, E. M. and Franklin, J. Using a Geographic Information System to estimate the possible effects of digital map error on the delineation of habitat for the California Spotted Owl in southern California, The Second Conference of the International Society for Conservation GIS, Idyllwild, CA, July 25-27, 1998.
- 1998 Franklin, J., Bolick, L., Smith, D., Drake, D. and Motley, T., The conservation value of primary and secondary forest in Tonga, Association of American Geographers, Annual Meeting, Boston, MA, March 25-29, 1997.
- 1997 Franklin, J., Martin, R., Miller, J., Mladenoff, D., and He, H., Parameterizing and calibrating the LANDIS model of disturbance and succession to examine the effects of altered fire regimes on vegetation patterns of southern California. MEDECOS VIII: Conference on Mediterranean Type Ecosystems, San Diego, CA, 18-26 October 1997, p. 30 (abstract only; poster).
- 1997 Martin, R., and Franklin, J., Multiple pathways of chaparral succession in southern California: the application of a heuristic model to the plant life history characteristics of disturbance prone communities. MEDECOS VIII: Conference on Mediterranean Type Ecosystems, San Diego, CA, 18-26 October 1997, p. 44 (abstract only; poster).
- 1997 Drake, D.R., **Franklin, J.**, Bolick, L., Smith, D., and Motley, T. Indigenous forests of 'Eua and the Vava'u Group, Tonga: community composition and conservation implications. VIII Pacific Science Inter-Congress, The University of the South Pacific, Suva, Fiji, 13-19 July, 1997.
- 1997 Hines, E. M. and **J. Franklin.** A sensitivity analysis of a map of habitat quality for the California spotted owl (*Strix occidentalis occidentalis*) in Southern California, Second International Symposium on Biology and Conservation of Owls in the Northern Hemisphere, Winnipeg, Manitoba, Canada, February 5-9, 1997.
- 1997 Shandley, J., **Franklin, J.** Gray, C. and Woodcock, C.E. Digital Vegetation Maps for Southern California National Forests from TM image classification and Digital Terrain Modeling. ASPRS-ACSM-RT-Auto Carto Annual Convention and Exposition, Seattle, WA, April 1997. Poster presentation.
- 1996 **Franklin, J.** Predictive mapping of chaparral vegetation in southern California, Invited Talk, Symposium: Predictive Spatial Models in Vegetation Ecology, Ecological Society of America, Annual Meeting, Providence, RI, 10-14 August, 1996.
- 1996 **Franklin, J.** and J. Stephenson. Integrating GIS and remote sensing to produce regional vegetation databases: attributes related to environmental modeling, Third International Conference/Workshop on Integrating GIS and Environmental Modeling, Santa Fe, New Mexico, January 21-25.
- 1996 **Franklin, J.**, P. McCullough, C. Gray and D. Simons. Terrain variables used for predictive mapping of vegetation communities in Southern California, Terrain Analysis Workshop, Third International Conference/Workshop on Integrating GIS and Environmental Modeling, Santa Fe, New Mexico, January 21-25.
- 1995 Hope, A.S., D.A. Stow and **J. Franklin.** Coordinated remote sensing studies in Mediterranean type ecosystems: the south west Cape region and southern California, Fynbos Forum, Kogelberg, South Africa, 5-6 December.

- 1995 **Franklin, J.** Forest Service lands in the mountains of southern California -- islands of habitat in a sea of development, 10th Annual Landscape Ecology Meeting, US-International Association of Landscape Ecologists, Minneapolis, MN, April 23-26.
- 1995 **Franklin, J.** Vegetation Mapping for the US Forest Service Using Satellite Imagery and GIS: An Example from Southern California, American Society of Photogrammetry and Remote Sensing (ASPRS/ACSM) Annual Meeting, Charlotte, NC, Feb 26-Mar 2.
- 1994 Duncan, J. and **J. Franklin.** Estimating fractional vegetation cover at the subpixel scale in a semiarid region using a statistical mixture model and remotely sensed data, International Geoscience and Remote Sensing Symposium (IGARSS'94), Pasadena, CA, Aug 8-12.
- 1994 Grand Showcase Award, Poster Presentation, San Diego Geography Showcase, ESRI User's Meeting
- 1994 **Franklin, J.** Predictive mapping of vegetation communities, an example from Southern California, Association of American Geographers, Annual Meeting, San Francisco, CA, Mar 29-Apr 2.
- 1994 Bolick, L. and **J. Franklin.** Biological conservation and park development, Kingdom of Tonga, South Pacific, Association of American Geographers, Annual Meeting, San Francisco, CA, Mar 29-Apr 2.
- 1993 Duncan, J., and **Franklin, J.** Estimating shrub size and density using an invertible canopy reflectance model in Niger, West Africa: HAPEX Sahel 92, Annual Fall Meeting of the American Geophysical Union, San Francisco, CA, December 6-10. Paper given by J. Duncan.
- 1993 **Franklin, J.** and McCullough, P. Predictive vegetation modeling using regression tree analysis in Southern California vegetation, 2nd International Workshop/Conference on the Integration of GIS and Environmental Modeling, NCGIA, Breckenridge, Colorado, September 26-30. Poster presentation.
- 1993 Most Analytical Award, Poster Presentation, San Diego Geography Showcase (with Paul McCullough), ESRI User's Meeting.
- 1993 **Franklin, J., S. Phinn, D. Stow, A. Hope and L. Huenneke.** Spatial variability of biomass from high-resolution airborne scanner imagery in the Jornada LTER, Ecological Society of American, Annual Meeting, Madison, WI, July 31-August 4. Poster presentation.
- 1993 **Franklin, J.** Measurement of canopy component reflectance for parameterizing a geometric optical reflectance model, Remote Sensing of Soils and Vegetation Workshop in Honor of Dr. Ray D. Jackson, USDA Agricultural Research Service, Phoenix, AZ, January 6-8.
- 1992 Shandley, J., Franklin, T. White and J. Rechel. Testing a segmentation procedure for defining regions in a digital image corresponding to natural vegetation stands, GIS/LIS, San Jose, CA, Nov. 10-12. Poster presentation.

- 1992 **Franklin, J.**, and **J. Duncan**. Testing the Li-Strahler four-component canopy reflectance model in the HAPEX-Sahel shrub savanna sites using ground reflectance data, International Geoscience and Remote Sensing Symposium (IGARSS '92), Clear Lake, TX, May 26-29. Poster presentation.
- 1992 **Franklin, J.**, and **Turner, D.** The application of a discrete object reflectance model to semiarid shrub vegetation, Association of American Geographers, annual meeting, San Diego, California, April 19-21.
- 1992 **Glasgow, K.**, **J. Franklin** and R. Wright. Use of GIS data analysis for the evaluation of local open space policies and biodiversity preservation, ASPRS/ACSM annual meeting and convention, Albuquerque, NM, Feb. 29-Mar 5.
- 1991 **Franklin, J.**, and D.W. Steadman. Habitat mapping for biological conservation in Polynesia: an example from the Cook Islands, XVII Pacific Science Congress, Honolulu, HI, May 27-June 2.
- 1990 **Franklin, J.** and **D. Turner**. Modeling the reflectance of a desert shrub canopy, Ecological Society of American, Annual Meeting, Snowbird, UT, July 29-August 2. Poster presentation.
- 1990 **Franklin, J.**, F. Davis and P. Lefebvre. Geometric-optical modeling of Blue Oak Woodland in California, International Geoscience and Remote Sensing Symposium, College Park, MD, May 20-24.
- 1990 **Turner, D.** and **J. Franklin**. Canopy reflectance modeling of semiarid shrub vegetation, Association of American Geographers, annual meeting, Toronto, Canada, April 19-22. Paper given by D. Turner, session Chaired by Janet Franklin.
- 1989 **Franklin, J.** The heterogeneous distribution of biomass in a West African savanna, Fourth Annual Landscape Ecology meeting, Ft. Collins, CO, March.
- 1988 **Franklin, J.**, Remote sensing of vegetation structure in semiarid woodland, Association of Pacific Coast Geographers Meeting, San Diego, CA, September 28-30.
- 1988 **Franklin, J.** and D. Steadman. Conservation of Polynesian birds through species introduction, Ecological Society of America, annual meeting, Davis, CA, August.
- 1988 Strahler, A.H., Y. Wu, and **J. Franklin**. Invertible canopy reflectance modeling of forest vegetation structure, Forest Simulation Systems Conference, Berkeley, CA, November. Presented by A.H. Strahler.
- 1988 **Franklin, J.** and D. Steadman. Habitat mapping for species conservation in Polynesia, Association of American Geographers, Annual Meeting, Phoenix, AZ, April. Poster presentation.
- 1987 **Franklin, J.**, D.S. Simonett, and A.H. Strahler. Invertible canopy reflectance modeling in semiarid woodland, invited paper, Association of American Geographers, annual meeting, Portland, OR, April.
- 1986 **Franklin, J.**, X. Li, and A. H. Strahler. Canopy reflectance modeling in Sahelian and Sudanian woodland and savanna, 20th International Symposium Remote Sensing of Environment, Nairobi, Kenya.

- 1985 **Franklin, J.** Thematic Mapper analysis of coniferous forest stands, Pecora X Symposium, Fort Collins, CO, August. Poster presentation.
- 1985 **Franklin, J.** Point pattern analysis of a coniferous forest woodland, Ecological Society of America, Annual Meeting, Minneapolis, MN, June. Poster presentation.
- 1985 **Franklin, J.** and A. Getis. A second order analysis of the spatial pattern of Ponderosa pine (*Pinus ponderosa*), American Association for the Advancement of Science, annual meeting, Los Angeles, CA. Poster presentation (by A. Getis).
- 1984 Estes, J.E., D. Negri, D.B. Botkin, and **J. Franklin.** Improving accuracies of global land cover estimates using Landsat imagery, American Society of Photogrammetry and Remote Sensing Annual Meeting, Washington, DC. Paper given by D. Negri.
- 1984 **Franklin, J.** Characterizing the spatial pattern in forest stands for improved canopy reflectance modeling, American Society of Photogrammetry and Remote Sensing Annual Meeting, Washington, DC.

Invited Talks (* = Talks given to non-academic community or professional groups)

- 2023 Forecasting Global Change Impacts on Biodiversity, Invited keynote Speaker, National Academy of Science Committee on Research at Multiple Scales: [A Vision for Continental Scale Biology](#) (NASEM Consensus Study) (virtual; April 24-25).
- 2023 Improving Climate Resilience through Adaptation Management of Natural Vegetation in California, Department of Geography Climate Group, University of California Santa Barbara (Mar 23)
- 2022* Plant Species Dynamics under Global Change in California, to Resilient Restoration: Advancing Ecological, Cultural, and Community Resilience with Tribal Nations in Southern California. Climate Science Alliance, Tribal Working Group Workshop on Plant Propagation. San Diego, California (May 1)
- 2022 Improving Climate Resilience through Adaptation Management of Natural Vegetation in California, Department of Geography Colloquium, Florida State University (Apr 8)
- 2022* Improving Climate Resilience through Adaptation Management of Natural Vegetation in California, [San Diego Master Gardeners Association](#) (Jan 13)
- 2021 Forecasting the vulnerability of biodiversity to global change, Department of Biological Sciences at Southern Illinois University Edwardsville, IL (Sep 20)
- 2020 Geospatial Data for Forecasting Global Change Impacts on Ecosystems, Distinguished Scholars Lecture Series, College of Arts and Letters, San Diego State University, San Diego CA (Feb 4)
- 2019 Geographical ecology of tropical dry forest tree communities. Ecology Group and Center for Conservation Biology, UC Riverside, Riverside CA (May 28)

- 2019 Paleoscape Model of Coastal South Africa During Modern Human Origins: Climate, Landforms, Plants, Animals and People. Department of Environmental Science, Policy and Management, University of California, Berkeley, CA (Mar 21)
- 2019 Ecosystems navigate complex terrain in a changing climate. Ecology, Evolution and Conservation Biology seminar series, Oregon State University, Corvallis, OR (March 6)
- 2018 Paleoscape model of coastal South Africa during modern human origins: climate, vegetation, and agent-based models. Data Science Seminar Series, Department of Computer Science, University of California, Riverside, CA, (2 Mar)
- 2018 California's forests navigate complex terrain in a changing climate. Department of Geography, University California (UCLA), Los Angeles CA (29 Jan)
- 2017 California's forests navigate complex terrain in a changing climate. 2017 Murphy Lecture, Department of Geography & Environmental Studies, University of New Mexico, Albuquerque, NM (17 Nov).
- 2017 Setting the stage: Paleoscape modeling in paleoanthropology. Paleoscape Workshop, Centre for Coastal Paleoscience, Nelson Mandela University, Mossel Bay, South Africa, 27-29 Jun
- 2017 California's forests navigate complex terrain in a changing climate. Department of Geography, University of California, Santa Barbara, CA (4 May)
- 2017 California's forests navigate complex terrain in a changing climate. Department of Biology, Kansas State University. Manhattan KS (22 April)
- 2016 California's forests navigate complex terrain in a changing climate. Yale School of Forestry and Environmental Studies, Yale University, New Haven, CT (21 Sep)
- 2016 From microclimates to macroecology: tree species range dynamics in a changing climate. University of California, Riverside, CA (26 Aug)
- 2015 From microclimates to macroecology: tree species range dynamics in a changing climate. Center for Geospatial Analytics, North Carolina State University - Raleigh NC (12 Nov).
- 2014 From microclimates to macroecology: modeling tree species range dynamics in a changing climate. Ecology, Evolution and Conservation Biology Graduate Program, University of Nevada – Reno NV (4 Sep).
- 2013* A long term perspective on plant and animal life in the Bahamas. Public lectures given by J. Franklin and D. W. Steadman, invited by the Bahamas National Trust: 10/3/13 Rand Nature Center, Freeport, Grand Bahama; 12/9/13 Levy Native Plant Preserve, Eleuthera, Bahamas.
- 2013 Geospatial data for large area ecology. Scaling Up: Early Career Scientists Workshop on Continental-Scale Population and Community Ecology and Education, Ecological Society of America (sponsored by National Science Foundation), Baltimore MD (4-7 Jun)

- 2013 Mind the gap. Working Group Biotic Interactions and Modeling Species Distributions, National Institute for Mathematics and Biological Synthesis (NIMBioS), University of Tennessee, Knoxville TN (1-4 Feb)
- 2012* A long term perspective on plant and animal life in the Bahamas. Public lectures given by J. Franklin and D. W. Steadman, hosted by the Bahamas National Trust; 11/28/12 in Nassau, New Providence, and 12/3/12 in Hope Town, Abaco, the Bahamas
- 2012 Landscape ecology and ecosystem management. Guest lecture BIO 323 (Ecosystem Restoration and Management) (Prof. J. Stromberg) (Apr 3; ASU)
- 2011 The triple threat: the impacts of land use change, climate change and altered fire regimes on plant species in a Mediterranean-type ecosystem. School of Forestry and Department of Biology, Northern Arizona University, Flagstaff, AZ (Oct 21)
- 2011 **Franklin J.**, H. Regan and A. Syphard. The triple threat: land use change, climate change and altered disturbance regimes. **Invited plenary lecture**, National Environmental Observation Network (NEON) Members Meeting, Boulder, CO (Sep 16)
- 2011 Biogeography and Spatial Sciences. Guest lecture GCU496: Geographic Research Methods (Prof. K. Larson) (Sep 13; ASU)
- 2010* Syphard, A., H. Regan, **J. Franklin**, R. Swab and P. Zedler, A framework for assessing climate mitigation and adaptation strategies, Workshop on Bridging the Gap: Downscaling Climate Models to Inform Management Actions, CA Department of Fish & Game, US Geological Survey, and US Fish and Wildlife Service, Sacramento, CA (3 Nov)
- 2010* Syphard, A., **J. Franklin** and H. Regan, Does translocation of a rare fire dependent plant mitigate the effects of climate change? Tecate Cypress Symposium, The Nature Conservancy and the Bureau of Land Management, Rancho Jamul Ecological Reserve, Jamul, CA (16 Jun)
- 2008 Species distribution modeling: spatial inference and prediction, Ecology Center, Utah State University, Logan, UT (November 13)
- 2008 Altered Fire Regimes Affect Landscape Patterns of Plant Succession in the Foothills and Mountains of Southern California, Ecology Center, Utah State University, Logan, UT (November 12)
- 2008* Forest Recovery in Cuyamaca Rancho State Park Five Years After the Cedar Fire, Public Symposium, Cuyamaca Rancho State Park and CRSP Interpretive Association, Descanso, CA. (8 November)
- 2008 Species distribution modeling: spatial inference and prediction. School of Life Sciences, Arizona State University, Tempe, AZ (October 17)
- 2008 Species distribution modeling: spatial inference and prediction. International Institute for Geo-Information Science and Earth Observation (ITC), Enschede, Netherlands (September 26)
- 2008 Species distribution modeling: spatial inference and prediction. Lund Centre for Sustainability Studies, University of Lund, Lund, Sweden (September 15)

- 2008 Spatial patterns of species and ecological communities in dynamic landscapes reveal the ghost of disturbance past, School of Geography, University of Southampton, Southampton, UK (August 7)
- 2008* Impacts of the Cedar Fire on Vegetation Communities in Cuyamaca Rancho State Park, San Diego Region Weed Management Areas Stakeholders Meeting (May 14)
- 2006* Mapping species distributions: spatial inference and prediction, California Native Plant Society San Diego Chapter, monthly meeting, Casa del Prado, Balboa Park, San Diego, CA (16 May)
- 2006 Mapping species distributions: spatial inference and prediction, Division of Biological Sciences, University of California, San Diego, CA (12 May)
- 2006 Mapping species distributions: spatial inference and prediction, Department of Botany and Plant Sciences, University of California, Riverside, CA (11 January)
- 2005 Spatial inference and prediction with biogeographical data, The Bren School, University of California, Santa Barbara (22 November)
- 2005 Spatial inference and prediction with biogeographical data, The Ecology Centre, University of Queensland, Brisbane, Australia (11 October)
- 2005 Forest community patterns resulting from human and natural disturbance in Western Polynesia, School of Biological, Environmental and Ecological Sciences, University of New South Wales, Sydney, Australia (13 October)
- 2005 Spatial inference and prediction with biogeographical data, School of Biological, Environmental and Ecological Sciences, University of New South Wales, Sydney, Australia (14 October)
- 2005* Tree Mortality and Recovery in Cuyamaca Rancho State Park After the 2003 Cedar Fire, San Diego Partners for Biodiversity (network of local professional environmental biologists), San Diego County Department of Planning (January 25).
- 2004* Patterns of Plant Species Mortality and Recovery in Cuyamaca Rancho State Park Following the Cedar Fire, The Cedar Fire and Cuyamaca Ranch State Park One Year Later: Recovery Expectations and Realities, Public symposium, Cuyamaca Rancho State Park, Descanso, CA. (October 16).
- 2004* Altered Fire Regimes Affect Landscape Patterns of Plant Succession in the Foothills and Mountains of Southern California, San Diego Fire Recovery Network, Workshop on fire ecology of chaparral and coastal sage scrub, San Diego Natural History Museum (April 21)
- 2003 Navigators, Cyclones and Biodiversity in the Happy Isles of Oceania, 9th Annual Biology Department Symposium, San Diego State University (Sept 5)
- 2003* The effects of altered fire regimes on plant communities in the foothills and mountains of southern California, Fallbrook Land Conservancy, speaker series organized by Dr. Claudia Luke, SDSU Biological Field Stations (June 20).

- 2003 Conserving rain forest communities on oceanic islands in the western Pacific: long-term natural and human disturbance, The Center for Reproduction of Endangered Species (CRES), San Diego Zoological Society (February 12)
- 2003 The effects of altered fire regimes on plant communities in the foothills and mountains of southern California, Graduate Group in Ecology, University of California at Davis (January 15)
- 2002 Simulating the Effects of Different Fire Regimes on Succession in Southern California Shrub Communities Using the LANDIS Model, Department of Biology, San Diego State University (Feb 18).
- 2001 Modeling Species Distribution Using Generalized Linear Models and Classification Trees With Spatial Dependence, Spatial Ecology Laboratory (Prof. H. Possingham), Department of Zoology, University of Queensland, Brisbane (November 20).
- 2001 Remote Sensing for Forest Monitoring – Example Approaches from the United States, Wet Tropics Management Authority (WTMA), Wet Tropics World Heritage Area, Cairns. (12 Nov)
- 2001 Biogeography and Community Ecology of Forest Plants and Birds in Tonga and Fiji – A Long Term Perspective, Geographical Sciences and Planning, University of Queensland, Brisbane (October 10).
- 2001 Monitoring Regional Forest Cover in California Using Multitemporal Remote Sensing Data, talk given to remote sensing class, Geographical Sciences and Planning, University of Queensland, Brisbane (October 10).
- 2001 Biogeography and Community Ecology of Forest Plants and Birds in Tonga and Fiji – A Long Term Perspective, CSIRO Tropical Forest Research Centre, Atherton, Queensland, Australia (September 17).
- 2001 Simulating the Effects of Different Fire Regimes on Succession in Southern California Shrub Communities, Ecology Centre, University of Queensland, Brisbane (August 28).
- 2001 Simulating the Effects of Different Fire Regimes on Plant Functional Groups in Southern California Using the LANDIS Model, Department of Geography, University of Florida, Gainesville, FL (March 16).
- 2000 Simulating the Effects of Different Fire Regimes on Plant Functional Groups in Southern California, Center for Environmental Analysis, California State University, Los Angeles, Regional Conference on Spatially Structured Dynamics (May 19).
- 1999 (with David Steadman) Changing ranges and extinctions of Pacific Island birds due to early Polynesian exploitation: implications for nature conservation, Department of Geography, University of the South Pacific, Suva, Fiji (May 6).
- 1996* Vegetation maps developed for the Forest Service, USDA Forest Service California Southern Province GIS Group, Workshop 1: New Vegetation maps for Southern California National Forests, Angeles National Forest Supervisor's Office, Arcadia, CA (October 17).

- 1996 Digital vegetation maps for Southern California using remote sensing and predictive vegetation modeling in GIS, Department of Geography, University of Arizona, Tucson, AZ (September 27).
- 1996 Predictive mapping of chaparral plant species and communities in southern California, Department of Botany, Rice University, Houston, TX (March 25).
- 1995 Building digital vegetation maps using remote sensing and a Geographic Information System, Department of Aerospace and Mechanical Engineering, San Diego State University (October 12).
- 1995 Building digital vegetation maps for Southern California using remote sensing and predictive vegetation modeling in GIS, Department of Botany, Arizona State University (September 22).
- 1995 Cowabunga -- It's time for Tonga! Biogeography in Vava'u. Department of Geography, San Diego State University (September 18).
- 1995 Biogeography and biodiversity conservation in the Vava'u Island Group Kingdom of Tonga, Polynesia, Department of Geography, Arizona State University (September 22)
- 1994 Mapping the vegetation of Southern California National Forests using remote sensing and GIS, Department of Geography, San Diego State University (October 14).
- 1994* A project to map the existing vegetation of the four Southern California National Forests, Southwest Ecoregion Interagency Planning Group, Riverside, CA (May 11).
- 1994* Mapping vegetation in the Cleveland National Forest using remote sensing and GIS, USDA Forest Service Forest Fire Laboratory, Riverside, CA (January 24).
- 1992 Estimating canopy area and density in semiarid shrubland and savanna from remotely sensed data using a discrete object reflectance model, Department of Forest Science, School of Forestry, Oregon State University, Corvallis, OR. (April 30.)
- 1992* Remote Sensing and GIS Research in the Pine Creek Watershed, Cleveland National Forest, US Forest Service Regional Meeting of Information Managers, San Diego, CA (February 26.)
- 1989 Inferring canopy structure in tropical savanna using a reflectance model and remotely sensed data. Systems Ecology Research Group, San Diego State University (11 December.)
- 1988 A review of remote sensing applications to tree cover assessment. Second Results Symposium, International Land Surface Climatology Project (ISLSCP), Niamey, Niger, (25-29 April.)
- 1987 Coniferous forest inventory using Landsat and digital terrain data. College of Forestry, Australian National University, Canberra, ACT, Australia. (October 21.)
- 1987 Invertible canopy reflectance modeling of vegetation structure in semi-arid woodland. Presented in the following locations: U.S. Water Conservation Laboratory, USDA, Phoenix, AZ, (May 28); Ecosystems Science and Technology Branch, NASA Ames Research Center, Moffett Field, CA, (June 12); Centre for Remote Sensing, University of New South Wales, Kensington, New South Wales, Australia, (October 14); Division of Water Resources Research, CSIRO, Canberra, ACT, Australia, (October 19.)

- 1987 Analysis of coniferous forest structure and composition using Landsat imagery. Department of Botany, University of California at Davis, Davis, CA. (May 6.)
- 1985 Thematic Mapper Simulator analysis of basal area and species composition in coniferous forest stands. Ecosystems Science and Technology Branch, NASA Ames Research Center, Moffett Field, CA. (April 17.)

Published Conference Proceedings

- 2010 **Franklin, J.** and **Knapp, D. A.**, Habitat relationships and potential restoration sites for *Quercus pacifica* and *Q. tomentella* on Catalina Island, *Oak Ecosystem Restoration on Santa Catalina Island, California, Proceedings of an On-Island Workshop 2-4 Feb 2007*, (D. A. Knapp, ed.), Catalina Island Conservancy, Avalon, CA. pp. 69-93 ISBN 978-0-9796277-0-5
- 2001 Rogan, J., **J. Franklin**, D. Stow, L. Levien and C. Fischer, Toward Operational Monitoring of Forest Cover Change in California Using Multitemporal Remote Sensing Data, *Proceedings of IGARSS 2001, International Geoscience and Remote Sensing Symposium*, Sydney, Australia, 9-13 July, 2001, IEEE Inc., Piscataway, NJ, Vol. VII, pp. 3090-3092.
- 2001 Rogan, J., and **J. Franklin**, Mapping burn severity in southern California using spectral mixture analysis, *Proceedings of IGARSS 2001, International Geoscience and Remote Sensing Symposium*, Sydney, Australia, 9-13 July, 2001, IEEE Inc., Piscataway, NJ, Vol. IV, pp. 1681-1683.
- 2001 Scull, P., **J. Franklin** and O. Chadwick, Predictive Soil Modeling in the Mojave Desert Eco-Region, *of the 4th International Conference on Integrating GIS and Environmental Modeling*, Banff, Alberta, Canada, 2-8 Sep, 2000, <http://www.Colorado.EDU/research/cires/banff/>
- 1997 Hines, E. M. and **J. Franklin**. A sensitivity analysis of a map of habitat quality for the California spotted owl (*Strix occidentalis occidentalis*) in Southern California, *Biology and Conservation of Owls in the Northern Hemisphere: Second International Symposium*, Winnipeg, Manitoba, Canada, February 5-9, 1997, James R. Duncan, David H. Johnson, Thomas H. Nicholls, editors, USDA Forest Service General Technical Report NC-190, pp. 218-236.
- 1996 Franklin, J. and J. Stephenson. Integrating GIS and remote sensing to produce regional vegetation databases: attributes related to environmental modeling, *Proceedings of the Third International Conference/Workshop on Integrating GIS and Environmental Modeling*, Santa Fe, New Mexico, January 21-25, 1996, CD-ROM and WWW: http://www.ncgia.ucsb.edu/conf/SANTA_FE_CD-ROM/sf_papers/franklin_janet/my_paper.html
- 1994 Duncan, J. and **J. Franklin**, Estimating fractional vegetation cover at the subpixel scale in a semiarid region using a statistical mixture model and remotely sensed data, *IGARSS '94: Proceedings of the International Geoscience and Remote Sensing Symposium*, Pasadena, CA, Aug 8-12, IEEE, Piscataway, NJ. pp. 1046-1048.
- 1992 Shandley, J., **J. Franklin**, T. White and J. Rechel, Testing a segmentation procedure for defining regions in a digital image corresponding to natural vegetation stands, *GIS/LIS Proceedings*, San Jose, CA, Nov. 10-12, 1992, vol. 2, p. 700-708.

- 1992 Franklin, J., and J. Duncan, Testing the Li-Strahler four-component canopy reflectance model in the HAPEX-Sahel shrub savanna sites using ground reflectance data. *IGARSS '92: International Geoscience and Remote Sensing Symposium*, Houston TX, May 26-29, 1992, IEEE, Piscataway, NJ, vol. 1, p. 200-202.
- 1990 Franklin, J., F. Davis and P. Lefebvre. Geometric-optical modeling of Blue Oak woodland in California. *IGARSS '90: Proceedings of the International Geoscience and Remote Sensing Symposium*, IEEE, Piscataway, NJ, p. 1757.
- 1988 Strahler, A.H., Y. Wu, and **J. Franklin**, Remote estimation of tree size and density from satellite imagery by inversion of a geometric-optical canopy model, *Proceedings of the 22nd International Symposium on Remote Sensing of Environment*, Abijan, Cote d'Ivoire, October 1988, ERIM, Ann Arbor, MI, pp. 337-348.
- 1986 Franklin, J., X. Li, and A.H. Strahler, Canopy reflectance modeling in Sahelian and Sudanian woodland and savanna, *Proceedings of the Twentieth International Symposium on Remote Sensing of Environment*, Nairobi, Kenya, December 1986, ERIM, Ann Arbor, MI, pp. 1277-1286.
- 1985 Davis, F.W., S. Goetz, and **J. Franklin**, The use of digital satellite and elevation data in chaparral ecosystems research, *Proceedings of the Conference on Chaparral Ecosystems*, California Water Resources Center, University of California Report No. 62, Santa Barbara, May, 1985, pp. 19-27.
- 1984 Strahler, A.H., X. Li, and **J. Franklin**, Spatial/spectral modeling of conifer forest canopies, *Modeling and Simulation*, Proc. 15th Pittsburgh Conference and Simulation, vol. 15, pp. 19-21.
- 1982 Woodcock, C.E., **J. Franklin**, A.H. Strahler, and T.L. Logan, Improvements in forest classification and inventory using remotely sensed data, *Proceedings of the Sixteenth International Symposium on Remote Sensing of Environment*, Buenos Aires, Argentina, 1982, ERIM, Ann Arbor, MI, pp. 963-974.
- 1981 Cosentino, M.J., C.E. Woodcock, and **J. Franklin**, Scene analysis for wildfire fuels characteristics in a Mediterranean climate, *Proceedings of the Fifteenth International Symposium on Remote Sensing of Environment*, Ann Arbor, Michigan, 1981, ERIM, Ann Arbor, MI, pp. 635-646.

PROFESSIONAL AND COMMUNITY* SERVICE

- 1996-present External reviewer, tenure and promotion cases (and habilitations): 1996 (1); 1997 (1); 1998 (1); 1999 (1); 2000 (3); 2003 (1); 2005 (2); 2006 (2); 2008 (4); 2010 (1); 2011 (2); 2012 (2); 2013 (2); 2014 (3); 2015 (4); 2016 (4); 2017 (4); 2018 (6); 2019 (6);
- 2023-* Member, Advisory Committee, [Southern California Montane Forests Project](#) (USDA Forest Service, USGS, Climate Science Alliance)
- 2022-2023 Member, Ad Hoc Committee to Review Draft National Climate Assessment 5, National Academy of Sciences, USA, as required under Section 106 of the National Climate Change Research Act (2022-2023)
- 2019 External reviewer, Department of Geography, UCLA, Los Angeles, CA (20-22 Feb)

- 2019-2024 Member, Geographical and Geospatial Sciences Committee, National Academy of Sciences, USA
- 2017-2018 Co-Chair, Steering Committee, National Academy of Sciences – Royal Society Sackler Forum on *Climate Change and Ecosystems*, Washington DC Nov 8-9 2018.
- 2014-present Member, **Red List of Ecosystems (RLE) Committee for Scientific Standards** and RLE Thematic Group (D. Keith, Chair), International Union for the Conservation of Nature (IUCN) (Appointed Apr 2014). Goal: Review application guidelines and ecosystem risk assessments.
- 2012-present Member, GEO (Group on Earth Observations) BON Working Group 3: Terrestrial Ecosystem Change (Rob Jongman & Andrew Skidmore, Co-Chairs). Goal: harmonise mapping & monitoring of terrestrial ecosystems worldwide.
- 2017-present Associate Editor (Caribbean), US National Vegetation Classification (USNVC) Review Board
- 2016-2018 Commission Member, **IUCN Commission on Ecosystem Management**, North American and Caribbean Regional Network, International Union for the Conservation of Nature (IUCN)
- 2017 Participant, Women in Academia Forum, School of Geographical Sciences and Urban Planning, Arizona State University (April 25)
- 2016-2017 PLS Alliance Fellow, Arizona State University.
- 2016-2017* Member, Science Advisory Committee, McDowell Sonoran Conservancy Field Institute
- 2015-2017 Member, National Geographic Society Committee on Research and Exploration (CRE) <http://www.nationalgeographic.com/explorers/grants-programs/cre-members/>
- 2011-2013 Member, Analysis, Integration and Modeling of the Earth System (AIMES) Scientific Steering Committee (SSC) of the International Geosphere-Biosphere Programme (IGBP).
- 2013 Invited Participant, 22-24 Jul 2013, Google Geo for Higher Education Summit, Google Headquarters, Mountain View, CA.
- 2013* Member, Scientific Panel, Fire and Wildlife Strategic Plan Workshop, US Geological Survey. San Diego CA. 13-14 Mar.
- 2012-2013 Organizing Committee, meeting facilitator and plenary speaker, Scaling Up: Early Career Scientists Workshop on Continental-Scale Population and Community Ecology and Education, Ecological Society of America (sponsored by National Science Foundation); 4-7 Jun 2013, Baltimore MD.
- 2009* Volunteer Field Trip Leader, Fire and Restoration Ecology, 11th grade biology (Ms. Jesse Wade), Lake Hodges, Escondido, CA High Tech High Charter High School, San Diego, CA (2-3 June)
- 2009* Volunteer Judge, Annual Science Fair, High Tech High Charter High School, San Diego, CA (4 February)
- 2008 Invited workshop co-organizer, The Utility of Species Distribution Models as Tools for Assessing Impacts of Climate Change, Riederalp, Switzerland (11-16 Aug)
- 2008* Volunteer Judge, Annual Science Fair, High Tech High Charter High School, San Diego, CA (6 February)

- 2007-08* Interviews on fire ecology and chaparral ecology given to Voice of San Diego, San Diego Union Tribune, and North County Times following the 2007 fire storm in San Diego County (October-February)
- 2007* Volunteer Judge, Annual Science Fair, High Tech High Charter High School, San Diego, CA (24 January)
- 2005-06 Chair, Local Organizing Committee, 2006 US-IALE Annual Symposium, San Diego CA (28-31 Mar 2006)
- 2004 Invited guest, Beckman Center for Conservation Research Open Day and Annual Beckman Lecture on Conservation Biology, San Diego Zoological Society, Conservation and Research for Endangered Species, Nov 8.
- 2004* Chaperone, High Tech Middle School study trip, California Science Center Body Worlds exhibit (human anatomy), Nov 5.
- 2004* Newspaper interviews (effects of Cedar Fire on Cuyamaca Rancho State Park): San Diego Reader (10/14/04); North County Times (10/15/04); Los Angeles Times (10/26/04)
- 2004* Invited panelist, Public symposium, The Cedar Fire and Cuyamaca Ranch State Park One Year Later: Recovery Expectations and Realities, The Anza Borrego Institute in partnership with California State Parks, October 16-17, Cuyamaca Rancho State Park, Descanso, CA.
- 2004 Member, Panel on Biodiversity, Biogeography and Modelling, US Geologic Survey, Geography Division, Strategic Planning Team, Jun 16, Sacramento State University, Sacramento, CA.
- 2000-2003 Member, Research Committee, Advisory to the Board of Trustees, San Diego Natural History Museum
- 1999-2000 Member, Scientific Review Panel, Western Riverside County Multiple Species Habitat Conservation Plan, Center for Conservation Biology, University of California, Riverside (Dr. Mike Allen, Chair).
- 1998-1999 Member, Academic Board, Commercial Remote Sensing Program, NASA John C. Stennis Space Center.
- 1998 Invited Participant, Workshop on Status and Trends in Spatial Analysis, Project Varenus, National Center for Geographic Information Science, Dec 10-12, Santa Barbara, CA.
- 1998 Faculty Facilitator, Professional Development Workshop, Vegetation Remote Sensing, Western Geography Graduate Student Conference, San Diego, CA, 13-15 Feb, 1998.
- 1993 Steering Committee Member, Second International Conference on Integrated Geographic Information Systems and Environmental Modeling, Sept 26-30, 1993, Breckenridge, CO.
- 1992* Invited reviewer, Multi-Species Conservation Plan for San Diego (solicited by US Fish and Wildlife Service).
- 1991 Invited Participant, Teaching Seminar on Global Climate Change, Institute on Global Conflict and Cooperation, University of California, San Diego, La Jolla CA, Nov 15-16.
- 1991-1993 Member, Vegetation Classification Subcommittee, Regional Open-Space Planning Committee, San Diego Association of Governments.

- 1990 Invited Participant, National Center for Geographic Information and Analysis, Initiative 12 Workshop on the Integration of Remote Sensing and GIS, December 3-5, 1990, EROS Data Center, Sioux Falls, SD.
- 1988 Invited Participant, Second Results Symposium, International Land Surface Climatology Project (ISLSCP), Niamey, Niger, April 25-29, 1988.

Ad Hoc Manuscript Reviews

7/1/19-6/30/20: Global Ecology & Biogeography (1); Nature (1); Nature Communications (1); PLoS One (1); CANA (1); Conservation Biology (1);
 7/1/18-6/30/19: Nature Communications (1); Ecosystems (1); Plant Ecology (1); Nature Climate Change (1); Ecology (1); Ecotropica (1); Ecosystem Services (1); Caribbean Naturalist (1); Remote Sensing of Environment (1); Science (1);
 7/1/17-6/30/18: Journal of Archaeological Science (1); Global Change Biology (1); Nature Climate Change (1); Science (1); Journal of Geophysical Research (1); Ecology (1); Agricultural and Forest Meteorology (1); Plant Ecology (1);

2019-	<i>Nature</i>	2007-present	<i>Journal of Ecology</i>
2019-	<i>Caribbean Naturalist</i>	2007	<i>New Zealand Journal of Botany</i>
2018-	<i>Journal of Geophysical Research</i>	2006-present	<i>Journal of Biogeography</i>
2018-	<i>Agricultural & Forest Meteorology</i>	2005-present	<i>Landscape and Urban Planning</i>
2017-	<i>Methods in Ecology & Evolution</i>	2005-	<i>Pacific Science</i>
2017-	<i>Annals of Botany</i>	2005-present	<i>Ecological Modelling</i>
2017-	<i>Ecosystems</i>	2004-	<i>Ecological Complexity</i>
2017-	<i>Human Evolution</i>	2003-present	<i>Environmental Management</i>
2017-	<i>Science</i>	2003-	<i>Environmental Monitoring and Assessment</i>
2017-	<i>Nature Climate Change</i>	2003-present	<i>Journal of Tropical Ecology</i>
2016-	<i>Nature Communications</i>	2003-present	<i>Global Ecology and Biogeography</i>
2016-	<i>Proc Royal Soc B</i>	2002-	<i>Trans. GIS</i>
2016-	GECCO	2001	<i>Biodiversity and Conservation</i>
2015-	<i>Human & Ecol. Risk Assess.</i>	2001-present	<i>Forest Science</i>
2013-	<i>Global Change Biology Bioenergy</i>	1999-present	<i>Forest Ecology and Management</i>
2012-	<i>Biological Invasions</i>	1999-present	<i>Ecotropica</i>
2012-	<i>Biology</i>	1998-present	<i>Journal of Arid Environments</i>
2012-	<i>Journal of Applied Geography</i>	1996	<i>J. Environmental Management</i>
2012-	<i>Int. J. Wildland Fire</i>	1997-present	<i>Landscape Ecology</i>
2012-	<i>Ecology Letters</i>	1997-present	<i>Geographical Systems</i>
2012-present	<i>PNAS</i>	1996-present	<i>Annals AAG</i>
2012-	<i>GIScience and Remote Sensing.</i>	1996-present	<i>Canadian J. Forest Research</i>
2010-	<i>Trends in Ecology and Evolution</i>	1994-present	<i>Conservation Biology</i>
2010-	<i>Oryx</i>	1994-present	<i>GeoCarto International</i>
2010-present	<i>Plant Ecology</i>	1993-present	<i>Ecological Applications</i>
2009-	<i>Remote Sensing</i>	1992-present	<i>International Journal of Geographic Information Systems</i>
2009-present	<i>Global Change Biology</i>	1991-present	<i>Journal of Vegetation Science</i>
2009-present	<i>Biological Conservation</i>	1990-present	<i>Remote Sensing of Environment</i>
2009-	<i>Journal of Plant Research</i>	1990-present	<i>Ecology, Ecological Monographs</i>
2009-present	<i>Ecography</i>	1989-present	<i>International J. Remote Sensing</i>
2008-present	<i>PLoS ONE</i>	1989-present	<i>Climatic Change</i>
2008-present	<i>Diversity and Distributions</i>		
2007	<i>Natural Areas Journal</i>		

1988-present *Photogrammetric Engineering and Remote Sensing*

Proposal Reviews

Ad Hoc Proposal Reviews:

2021-22:

2020-21: NSF (2)

2018-19: NSF (1)

1017-18: NSF (1)

2016-2017 **Panel Member**, Geography and Spatial Sciences Program, National Science Foundation

2015 Review Panelist, Grant Applications, USAID Partnerships for Enhanced Engagement in Research (PEER) Program, on behalf of the National Academies

1990-present Reviewer, Grant Applications, **National Science Foundation** (average 2/year).

1987-present Reviewer, Grant Applications, **NASA**

2011 Reviewer, Grant Applications, Swiss National Science Foundation.

2005-present Reviewer, Grant Applications, Swedish National Space Board.

1990-present Reviewer, Grant Applications, National Geographic Society.

2000 Reviewer, Grant Applications, Natural Environment Research Council.

2000-present Reviewer, Grant Applications, Wildlife Conservation Society.

1994-1995 Member, NSF Panel, Dissertation proposals, Geography & Regional Science Program.

1994 Member, NSF Panel, EPA/EMAP-LTER, Ecosystems Program.

1991 Reviewer, Grant Applications, US Department of Agriculture.

1989-1995 Reviewer, Grant Applications, California Space Institute.

1988 Member, Interdisciplinary Evaluation Panel, EOS (the Earth Observation System) research proposals, NASA Office of Space Science and Applications (Greenbelt, Maryland), September 19-23, 1988.

UNIVERSITY SERVICE

San Diego State University

2022-23 Ph.D. Advising Committee, Department of Geography

2022-23 Curriculum Committee, Department of Geography

2022-23 Speakers Committee, Department of Geography

University of California at Riverside

2019-2022 Undergraduate Advising Committee, Dept. Botany and Plant Sciences (ex officio)

2019-2022 Executive Committee, College of Natural and Agricultural Sciences (CNAS)

2019 UC MEXUS-CONACYT Postdoctoral Fellowship and Collaborative Grant competitions; Plant Biology and Ecology Review Committee (service to UC systemwide)

2018-2021 Academic Planning Committee, Dept. Botany and Plant Sciences

2018- Planning Committee, Minor in Spatial Analysis, School of Public Policy

Arizona State University

2016-2017 Selection Committee, Regents' Professors

2014-2017	President Crow's Academic Council
2014-2017	Affiliated Faculty, Center for Biodiversity Outcomes
2012-2017	Member, Climate and Modeling Working Group, Center for Integrated Solutions to Climate Challenge, Arizona State University
2009-2017	Environmental Life Sciences (ELS) Doctoral Program Steering Committee Member
2012-2015	Academic Standards Committee, College of Liberal Arts and Sciences
2011	GIOS Futures Group, Strategic Planning for Global Institute of Sustainability

School of Geographical Sciences and Urban Planning -- Arizona State University

2016-2017	Personnel Committee
2016-2017	Executive Committee
2014-2017	Graduate Admissions Committee (Chair 2014-15)
2014-2015	Executive Committee
2010-2014	Graduate Policy Committee
2011-2013	Personnel Committee
2011-12	Faculty Search Committee (climatology)
2010-11	Faculty Search Committee (geographic information science)
2009-10	Faculty Search Committee (urban climatology)
2009-2017	Tenure and Promotion Committee

San Diego State University

2008-2009	Judge, Student Research Symposium, Div. Graduate and Research Affairs, San Diego State University (27-28 Feb)
2005-2009	Pre-professional Health Evaluation Committee (College of Sciences) (four years)
2006-2007	Research Committee (College of Sciences)
2004-2007	Mentor to Junior Faculty (H. Regan), SDSU Research Foundation PhP (Professors helping Professors) Program
2003-2007	Faculty Honors and Awards Committee
2003-2006	Senator, SDSU Faculty Senate, College of Sciences
2002	External Member, Faculty Search Committee, Plant Evolutionary Biology, Department of Biology
2001	Member, Review Panel, Graduate Dean and Vice President for Research
2000	Presenter, Workshop for Women PIs, San Diego State University Foundation, 28 April, 2000
2011-1998	Member, USGS Western Ecological Research Center-SDSU Liaison Committee
2000	Mentor to Junior Faculty (M. Pohl), SDSU Foundation PhP (Professors helping Professors) Program
1998-02	Member, SDSU Research Foundation, Board of Directors
1998-99	Search Committee, Dean, College of Sciences
1997-99	Steering Committee, Strategic Planning, SDSU Biological Field Stations College of Arts & Letters, Research and Professional Leaves Committee
1992-93	College of Arts & Letters, Instructionally Related Activities Committee
1991-92	Presenter, College of Arts & Letters Workshops on Developing Successful Research Proposals, September 20, 1991, and May 15, 1992. College of Arts & Letters, Instructionally Related Activities Committee
1990-91	College of Arts & Letters, Instructionally Related Activities Committee
1989-92	Member, Systems Ecology Research Group

Biology Department -- SDSU

2006-2009	Policy and Planning Committee, Department of Biology
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- 2007-2009 Peer Review Committee (Reappointment, Tenure and Promotion and Performance Evaluation)
- 2006-2009 Ecology Program Area Peer Review Committee
- 2006-2008 Ecology Program Area Vehicle Use Committee
- 2005- Ecology Program Area Curriculum Committee
- 2005-06 Faculty Search Committee, Global Change/Ecosystem Ecology
- 2004-05 Faculty Search Committee, Vertebrate Conservation Biologist
- 2002-06 Peer Review Committee (Reappointment, Tenure and Promotion)
2004-2006, Chair Peer Review Committee
- 2003-05 Ecology Program Area Quantitative Curriculum Committee (Chair)
- 2003-04 Ecology Program Area Structures, Policies and Procedures Committee
- 2002-03 Ad hoc Committee, Master's degree requirements, Ecology Program (Fall 2002)

Geography Department -- SDSU

- 2000-2002 MA Advising Committee, Scholarships Committee
- 1999-2000 Hiring Committee (Chair); MA Advising Committee; Personnel Committee
- 1998-00 MA Advising Committee, Hiring Committee
- 1996-98 Internal Resources Committee, Doctoral Committee
- 1995-96 Policy Advisory Committee, Doctoral Committee
- 1994-95 Hiring Committee
- 1993-94 Policy Advisory Committee
- 1992-93 Ph.D. Committee
- 1991-92 Masters Advising Committee; Ph.D. Committee
- 1990-91 Budget Committee (Chair)
- 1989-90 Speakers' Committee (Chair); Budget Committee
- 1988-89 Speakers Committee and Undergraduate Advising Committee

UC-Santa Barbara

- 1985 Panel member, Funding Forum for Graduate Women, Graduate Division Grant Development Workshops.
- 1981-82 Graduate Student Faculty Representative