

Falk Huettmann, Ph.D.

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EDUCATION

Academic: 2000 PhD Wildlife Ecology (Environmental Determination of Seabird Distribution in the Northwest Atlantic) at University of New Brunswick, Canada; 1993 German MS Forest Science at University of Munich (thesis in Norway); 1991 Vordiplom at University of Goettingen.

Relevant Teaching Experience: Landscape Ecology (undergraduate and graduate); Wildlife Techniques (undergraduate); Biogeography (undergraduate); International Tropical Field Schools (undergraduate and graduate); several years each

APPOINTMENTS / PROFESSIONAL EXPERIENCE

Academic Appointments

- 2003 August - Assistant Professor for Wildlife Ecology, University of Alaska, Fairbanks
- 2002-2003 Sessional Instructor, Department of Geography, University of Calgary, Canada
- 2000-2001 Scientific Project Coordinator for NSERC-funded Marbled Murrelet Research in coastal Old-Growth forest of British Columbia, Centre for Wildlife Ecology, Simon Fraser University, Burnaby-Vancouver.
- 2006 - Science Advisor on Databases and Metadata for ArcOD (Arctic Ocean Diversity Project)

Visiting and other Appointments

- 1994 - Research Associate, Tierärztliche Hochschule Hannover (veterinarian school of Hannover), Institute für Wildtierforschung (Institute for Wildlife Research)
- 2004 - Affiliate Scientist, Division of International Programs, Washington National Primate Research Center, University of Washington (NIH grant)
- 2006 - Chairman of the North Pacific Albatross Working Group (NPAWG)
- 2006 - Research Director and Board Member of the Ometepe Research Station, Nicaragua, La Suerte Fieldschool.

Other Employment

- 1995 -1996 STUDIOSUS: Travel guide 'Western Canada'
- 1994 -1995 FACE: Contract Writer for publication of the European Union
- 1993 -1994 Scholarship from the Robert Schuman Foundation from the European Parliament in Luxemburg, General Directorate for Research, Division for Agriculture, Fisheries, Forestry and Rural Development
- 1993 FEBOS: Industrial Programming Firm
- 1992 -1993 Teacher in a public school in Fürstenfeldbruck/Munich for software and text-processing

Awards (selection)

- 1997 Lady Dunn Grant for Wildlife Research from the Sir James Dunn Wildlife Research Fund of the University of New Brunswick, Canada
- 1998 NASA-MSU Career Enhancement Award at the IALE (International Association for Landscape Ecology) 98 Conference in East Lansing, USA.
- 2005 Outstanding Young Scientist (U.S. Greencard), U.S. Customs and Immigration
- 2007 BAA-NIH Avian Influenza funds (shared with 2 researchers; 2.8 MIO\$)

FIVE PUBLICATIONS RELEVANT TO THE FIELDSCHOOL

- Popp, J., D. Neubauer, L. Paciulli, and **F. Huettmann** (2007). Using TreeNet for Identifying Management Thresholds of Mantled Howling Monkeys' Habitat Preferences on Ometepe Island, Nicaragua, on a Tree and Home Range Scale. *Journal of Medical and Biological Sciences* 1(2): 1-14.
- Elith, J., C. Graham, **NCEAS working group** (2006). Comparing methodologies for modeling species' distributions from presence-only data. *Ecography* 29: 129-151.
- Huettmann F.** and A.W. Diamond (2006). Large-Scale Effects on the Spatial Distribution of Seabirds in the Northwest Atlantic. *Landscape Ecology* 21: 1089-1108.
- Linke, J., S. E. Franklin, **F. Huettmann** and G. B. Stenhouse (2005). Seismic cutlines, changing landscape metrics and grizzly bear landscape use in Alberta. *Landscape Ecology* 20:811-826.
- Gottschalk, T., **F. Huettmann** and M. Ehlers (2005). Thirty years of analysing and modelling avian habitat relationships using satellite imagery data: a review. *International Journal of Remote Sensing* 26: 2631-2656.

FIVE OTHER PUBLICATIONS OF INTEREST

- Winker, K., D. Swayne, E. Spackman, D. Suarez, M. Perdue, I. Kulikova, M. Wege, **F. Huettmann**, A.Z. R. Meier, C. Pruett, D. Gibson and K. G McCracken (2007). Out of Asia: Avian influenza, Alaska, and a migratory emerging disease. *Emerging Diseases* 13:4 <http://www.cdc.gov/EID/content/13/4/06-1072.htm>.
- Pittman, S. and **F. Huettmann** (2006). Chapter 4 - Seabird Distribution and Diversity. *In: An Ecological Characterization of the Stellwagen Bank National Marine Sanctuary Region: Oceanographic, Biogeographic, and Contaminants Assessment*. Battista, T., R. Clark, S. Pittman (eds). Prepared by NCCOS's Biogeography Team in cooperation with the National Marine Sanctuary Program. Silver Spring, MD. NOAA Technical Memorandum NCCOS 45.
- Onyeahialam, A., **F. Huettmann** and S. Bertazzon (2005). Modeling sage grouse: Progressive computational methods for linking a complex set of local biodiversity and habitat data towards global conservation statements and decision support systems. *Lecture Notes in Computer Science (LNCS) 3482, International Conference on Computational Science and its Applications (ICCSA) Proceedings Part III:152-161*.

Huettmann, F. (2005). Databases and science-based management in the context of wildlife and habitat: towards a certified ISO standard for objective decision-making for the global community by using the internet. *Journal of Wildlife Management* 69(20): 466-472.

Yen, P., **F. Huettmann**, and F. Cooke (2004). Modelling abundance and distribution of Marbled Murrelets (*Brachyramphus marmoratus*) using GIS, marine data and advanced multivariate statistics. *Ecological Modelling*. 171: 395-413.

SYNERGISTIC ACTIVITIES

Chairman of the North Pacific Albatross Working Group (NPAWG)

Koskelka, R. and F. Huettmann (2007) "*International Metadata Workshop*", UAF Fairbanks, held 18th January 2007.

Anderson, D, Breton, A. and F. Huettmann (2006) "*AIC Statistics workshop*", Held 7th Feb. 2007 at the Pacific Seabird Group (PSG) meeting in Asilomar-Monterey, California.

Research Advisor for Online Databases and Metadata for ArcOD (Arctic Ocean Diversity Project) with OBIS, Census of Marine Life (COML) and SCAR-MarBIN of CAML (Census of Antarctic Marine Life)

Invited Guest Speaker (Oxford Round Table on the Environment 2007, International Union of Game Biologists IUGB 2005, and various occasions)

Reviewer for over 20 international scientific journals and agencies (manuscripts, books, Proposals, data)

Faculty Senate member (curriculum affairs board) University of Alaska-Fairbanks
NBII Clearinghouse (2005) National Biological Information Infrastructure
<http://metadata.nbii.gov/> Submission of digital fieldwork research and telemetry data. Established own server at University of Alaska-Fairbanks to be harvested.

PIROP database in SEAMAP OBIS FGDC Metadata and database details for the public PIROP database of the Canadian Wildlife Service, Environment Canada
<http://seamap.env.duke.edu/datasets/detail/280>

ADVISORS

M.Sc. (Profs A. Quednau, LMU University, Munich; C. Klein, Freiburg University, Germany, L. Strand, NISK, Norway)

PhD (Prof A. W. (Tony) Diamond, ACWERN University of New Brunswick, Canada)

PDF (Prof. S. Franklin, University of Calgary, Canada, Prof. F. Cook, Center for Wildlife Ecology, Vancouver, Canada)

COLLABORATORS IN THE LAST 24 MONTHS (selection)

ArcOD (Bodil Bluhm, Rolf Gradinger and Russ Hopcroft), Wildlife Conservation International (WCS, Papua New Guinea), Stefania Bertazzon (Uni Calgary, Canada), Bob Branton (DFO Halifax, Canada), Nikita Chernetsov (St. Petersburg Uni, Russia), Thomas Gottschalk (Uni Giessen, Germany), Kris Hundertmark and Perry Barboza (UAF), Simon Pittman (NOAA) + 12 international graduate students.