

CURRICULUM VITAE

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Personal Data

July 1 1967 born in Hall in Tyrol, Austria
 nationality Austria
 married, two children

Career

2014 general project manager of the EU co-financed project LIFE+ Biodiversity 'Reason for Hope' (LIFE+12-BIO_AT_000143)

2002 founder and (since there) director of the research and conservation project Waldrappteam (www.waldrapp.eu);

2012-2013 research associate Humboldt University Berlin/Germany, research project: *How do migrating birds solve the volunteer's dilemma* (DFG Vo18061-1);

2008-2011 research associate University Vienna/Austria, research project: *Physiology and energy expenditure of Northern bald ibises during human-led autumn migration* (FWF P20633);

2002 – 2004 post doc at the Konrad-Lorenz research station Grünau; research topic: *Faecal corticosterone monitoring in Northern bald ibis undergoing human-led autumnal migration*;

2001 – 2002 research assist at the Konrad-Lorenz institute for evolution and cognition research in Altenberg; collaboration with Cambridge University, social evolution and learning group (K. Laland); research topic: *Development of an 'adaptive switch model' on the formation of traditions in animal social groups: a synthesis of social learning theory with producer-scrounger theory*;

2000 - 2001

research assistant at the Konrad-Lorenz research station Grünau;
research topic: *Social conditions and ecological constraints of social learning in geese and ravens* (FWF P12472 BIO);

University Career

- 1996 – 2000 PhD at the University of Vienna; supervised by K. Kotrschal and M. Taborsky, University Vienna; topic: *Social learning and the formation of traditions in greylag geese: the relevance of stimulus enhancement*;
- 1994 – 1995 master thesis at the University Innsbruck & Konrad-Lorenz research station Grünau; supervised by E. Thaler, Univ. Innsbruck & K. Kotrschal, Univ. Vienna; topic: *Learning through imitation: an experimental study with hand raised free living ravens*;
- 1994 - 1996 study of zoology at the University Innsbruck;
- 1993 - 1994 study of zoology at the University Vienna; courses in ethology and wildlife biology at the University of Veterinary Medicine and the University of Agriculture;
- 1991 - 1993 study of biology at the University Innsbruck;

Grants

- 2001 – 2003 post doc grant at the Konrad Lorenz institute for evolution and cognition research, Altenberg, Austria;
- 1997 – 1999 PhD Grant at the Austrian Academy of Science.

Membership

- since 2006 board member of the International Advisory Group for the Northern Bald Ibis (www.iagnbi.org);
- since 2012 member of the AEWA international working group for the Northern Bald Ibis;
- since 2015 member of the IUCN SSC Stork, Ibis and Spoonbill Specialist Group;

Other trainings

- 2007 training for EU project application and project management (FFG academy seminar);
- 1987 - 1990 apprenticeship as professional game ward, completed;
- 1983 - 1986 apprenticeship as businessman, completed;

Languages

german, english;

Skills

project management, public relation, marketing, networking and sponsoring, environmental education including interactive media, car and pilot licence, biological application of technical monitoring and data collection tools, basic experience in electronics and carpentry and other manual skills;

Interests

nature, cycling, ski tours, mountain walking, climbing, natural sciences;

Selection of peer reviewed publications

- Stanclova G, Schwendenwein I, Merkel O, Kenner L, Dittami J, Fritz J & Scope A subm. The effect of migratory flights on hematologic parameters in Northern Bald Ibises. PLOS ONE.
- Fritz J & Unsöld M 2015. Internationaler Artenschutz im Kontext der IUCN Reintroduction Guidelines: Argumente zur Wiederansiedlung des Waldtrapps *Geronticus eremita* in Europa. Vogelwarte 53: 157–168.
- Voelkl B, Portugal SJ, Unsöld M, Usherwood JR, Wilson AM & Fritz J 2015. Matching times of leading and following suggest cooperation through direct reciprocity during V-formation flight in ibis. Proceedings of the National Academy of Sciences, 112/7, 2115–2120.
- Bairlein F, Fritz J, Scope A, Schwendenwein I, Stanclova G, van Dijk G, Meijer HAJ, Verhulst S & Dittami J 2015. Energy Expenditure and Metabolic Changes of Free-Flying Migrating Northern Bald Ibis. PLoS ONE 10(9): e0134433.
- Portugal SJ, Hubel TY, Fritz J, Heese S, Trobe D, Voelkl B, Hailes S, Wilson AM & Usherwood JR 2014. Upwash exploitation and downwash avoidance by flap phasing in ibis formation flight. Nature, 505, 399-402.
- Serra G, Lindsell JA, Peske L, Fritz J, Bowden, CGR, Bruschini C, Welch G, Tavares J & Wondafrash M. 2014 Accounting for the low survival of the Critically Endangered northern bald ibis *Geronticus eremita* on a major migratory flyway. Oryx, 1-9.
- Fritz J & Riedler B 2010. Neue Hoffnung für das Überleben einer hoch bedrohtesten Zugvogelart im Mittleren Osten: Freisetzung von Jungvögeln bei den letzten migrierenden Waldtrappen in Syrien. Vogelwarte, 48, 417-418.
- Riedler B, Fritz J & Kotschal K 2006. New opportunities for the study of bird migration: Tracking the flight patterns of sub-adult migratory birds with GPS data logger. Journal of Ornithology, Vol.147, No.5, pp.237-238.
- Pfeffer K, Fritz J & Kotschal K 2002. Hormonal correlates of being an innovative greylag goose, *Anser anser*. Animal Behaviour, 63, 687–695.
- Fritz J, Bisenberger A & Kotschal K 2000. Stimulus enhancement in greylag geese: socially mediated learning of an operant task. Animals Behaviour, 59, 1119–1125.
- Fritz J & Kotschal K 1999. Social learning in common ravens, *Corvus corax*. Animal Behaviour, 57, 785-793.

Selection of recent conference contributions

- Fritz J 2013. Talk. Energieoptimierung und Strukturierung des Migrationsfluges: Der V-Formationsflug bei Waldtrappen. Conference of the German Ornithological Society.
- Fritz J 2013. Talk. Reason for Hope: Die Wiederansiedlung des Waldtrapp in Europa. Conference of the German Ornithological Society.
- Fritz J 2012. Talk. Return to Europe: Establishment of migratory NBI colonies. 1st Meeting of the AEWA Northern Bald Ibis International Working Group, Jazan/Saudi Arabia.
- Fritz J 2012. Talk. Aufwind für den Waldtrapp: Machbarkeitsstudie für die Wiederansiedlung eines Zugvogels. Conference of the German Ornithological Society, Saarbrücken/Germany.
- Fritz J 2012. Talk. Upwind for the Northern Bald Ibis: 10 years feasibility study for the reintroduction of a migratory bird species. Workshop on the reintroduction of threatened species. Research School at Nordens Ark/Sweden.
- Fritz J 2012. Workshop. Bird conservation: hands off versus active interventions. European Association of Zoos and Aquaria, Conservation Forum 2012, Vienna/Austria.
- Fritz, J. 2012. Talk. Upwind for the Northern bald ibis: 10 year feasibility study for the reintroduction of a migratory bird species. European Association of Zoos and Aquaria, Conservation Forum 2012, Vienna/Austria.
- Fritz J 2011. Talk. Human-led migration with NBI as a method for migration research. Meeting of the European Ethological Society, Zurich/Switzerland.
- Fritz J 2010. Talk. Internationaler Artenschutz am Beispiel des Waldtrapp: Das Projekt Waldtrappenteam. Annual Meeting of the German Ornithological Society, Pörschach/Austria.

Selection of own public publications

- Fritz J & Unsöld M 2014. Aufwind für den Waldtrapp: Von der Wiederansiedlung eines europäischen Zugvogels. Jahrbuch des Vereins zum Schutz der Bergwelt (München), 78, 121-163.
- Fritz J & Unsöld M 2013. Wiederansiedlung eines Zugvogels: Hoffnung für den Waldtrapp. Pirsch, 17, 26-31.
- Brix M und Fritz J 2011. Der Waldtrapp (*Geronticus eremita*); Ein noch im Mittelalter vorkommender Brutvogel in Süddeutschland – kehrt er zurück? 32/4, 102-105.
- Fritz J & Unsöld M 2011. Artenschutz und Forschung für einen historischen Schweizer Vogel: Der Waldtrapp im Aufwind. Wildbiologie 3/2011, 1-16; Wildtier Schweiz, Zürich.
- Unsöld M & Fritz J 2011. Der Waldtrapp: Ein Vogel zwischen Ausrottung und Wiederkehr. Wildbiologie 2/2011, 1-16; Wildtier Schweiz, Zürich.

Fritz J 2010. Ultraleichtflieger weisen den Weg - Der Waldrapp in den Alpen. Der Falke 57, 95-105.

Selection of recent print media articles

The New York Times 2014. Bird Data Confirms That V's Help Save Energy.
National Geographic 2014. Birds That Fly in a V Formation Use An Amazing Trick.
BBC News 2014. Birds' V formation finally explained.
Spiegel 2014. Zugvögel: Flugexperiment zeigt Energiegeheimnis der V-Formation.
Cicero 2013. Internet der Tiere: Sag Du zum Gnu und folge dem Vogel.
Neue Züricher Zeitung 2013. Shorty hat jetzt neue Freunde.
Science 2012. Rare Bird Learns to Fly Away Home.
Nature 2012. Poachers gun down iconic ibis.
DailyMail 2012. Microlight mother: Critically-endangered birds spread their wings with help of scientist who made sure he was first thing hatched chicks saw.
Fox-International 2012. Jane Goodall's Ibis Shot By Poachers.
Neue Züricher Zeitung 2012. Wiederkehr nach gut 350 Jahren.
Spiegel 2012. Waldrapp schafft Reise nach Deutschland.
Readers Digest 2011. Heimflug mit Hindernissen.
Corriera della Sera 2010. Ibis Il lungo volo verso la salvezza.

Selection of recent TV productions

2014	ZDF	Deutschland von Oben
2013	Pro7, SAT1	Der seltenste Vogel Europas - der Waldrapp
2013	RAI3	TV show "e se domani", saturday prime time
2012	ARTE, ZDF, SWR	Die Alpen von Oben
2012	Discovery Channel	Daily Planet
2012	BR	Wadrapp, die Geschichte von Goja
2011	BBC	Nature's Miracle Babies
2011	SWR	Frank Elstner: Menschen der Woche
2011	ZDF	Abenteuer Wissen: Ein Vogel lernt das Fliegen.
2010	Servus TV	Scientica potential est
2010	BBC News	Follow that microlight: Birds learn to migrate