

Dr. Ugo Arbieu

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Current position

Since 2016 **Postdoctoral researcher**, Senckenberg Biodiversity and Climate Research Centre (SBIK-F), Frankfurt am Main (Germany). Working group of Prof. T. Müller.

Since 2021, **Research Associate**, Smithsonian Conservation Biology Institute, National Zoological Park, Washington DC (USA). Working group of Prof. P. Leimgruber.

Invited postdoctoral fellow (2019-2020), Smithsonian Conservation Biology Institute, National Zoological Park, Washington DC (USA). Working group of Prof. P. Leimgruber.

Main research interests

My research focuses on the human dimensions of conservation, along 3 main research themes: (i) identifying the drivers of attitudes and emotions towards charismatic species across borders (ii) understanding the role of the media landscape in conservation, and (iii) investigating positive and negative Nature's Contributions to People in African social-ecological systems.

Academic education

2013 – 2016 **PhD in Natural Sciences**

Senckenberg Biodiversity and Climate Research Centre (SBIK-F) and Goethe University, Frankfurt am Main (Germany)

Thesis: Biodiversity and wildlife tourism in Southern Africa: a cultural ecosystem service assessment. Advisor: Prof. K. Böhning-Gaese.

2010 – 2012 **Master in Ecology**

Stockholm University, Swedish University of Agricultural Sciences (Sweden)

Thesis: Predator community and prey dynamics – a case study of roe deer and re-colonizing fox, lynx and wolf. Advisor: Prof. P. Kjellander.

2009 – 2010 **Bachelor in Biology of Organisms, Populations and Ecosystems**

Toulouse III University (France)

2007 – 2009 **Advanced Class (BCPST)** preparing for admission into Veterinary and Agronomy Training Schools, Lycée Pierre de Fermat, Toulouse (France)

Grants, awards and scholarships

Kili-SES – The role of nature for human well-being in the Kilimanjaro Social-Ecological System (Co-PI of 2 subprojects); DFG Research Unit (2020-2024); total budget: 7.3M€.

KnowWolf – Transfer of evidence-based and co-produced Knowledge for Human-Wolf Coexistence (Co-PI); Leibniz Transfer Competition (2019-2021); total budget: 485,000 EUR.

Master project – Oscar and Lili Lamm’s Minne Foundation (2012); 7,500 SEK & 45,000 SEK.

Teaching and mentoring

Students’ supervision

2019: Co-supervising 1 Bachelor thesis (E. Bauer), 2 Master theses (K. Helsper, L. Taysse).

2018: Co-supervising 3 internships: A. Rentrop, E. Bauer (Bachelor); K. Helsper (Master).

2014: Co-supervising 1 internship: S. Werner (Master).

Teaching and training

Since 2013 **Teaching assistant** for the “Community ecology, macroecology and conservation” course hosted by SBiK-F (Master). Assisting in data analysis and statistics’ practical. Leading literature seminars on predation. Introduction to own research activities.

2019 Organizing **training sessions** for conducting social surveys on attitudes towards wolves (Germany and France, >10 field assistants)

2014 Organizing **training sessions** for conducting transect counts and social surveys on wildlife tourists’ experience (Southern African National Parks, 5 field assistants)

Publications in peer-reviewed journals

Lehnen, L., Mueller, T., Reinhardt, I., Kaczensky, P. & **Arbieu, U.** (2021) Gesellschaftliche Einstellungen zur Rückkehr des Wolfs nach Deutschland. *Natur und Landschaft*, 1, 27-33.

de Boon, A., Sandström, C., **Arbieu, U.**, Hansen, I., Lehnen, L., Marino, A., Pohja-Mykrä, M., Risvoll, C., Strand, G-H. & Rønningen, K. (2020) Governing dual objectives within single policy mixes: An empirical analysis of large carnivore policies in six European countries. *Journal of Environmental Policy and Planning*.

Methorst, J., **Arbieu, U.**, Bonn, A., Böhning-Gaese, K. & Mueller, T. (2020) Non-material contributions of wildlife to human well-being: a systematic review. *Environmental Research Letters*, 15, 093005.

Arbieu, U., Albrecht, J., Mehring, M., Bunnefeld, N., Reinhardt, I. & Mueller, T. (2020) The positive experience of encountering wolves in the wild. *Conservation Science and Practice*, 2, e184.

Arbieu, U., Mehring, M., Bunnefeld, N., Reinhardt, I., Kaczensky, P., Nowak, C., Ansoerge, H., Glikman, J., Böhning-Gaese, K. & Mueller, T. (2019) Attitudes towards returning wolves (*Canis lupus*) in Germany: Exposure, Information sources and Trust matter. *Biological Conservation*, 234, 202-210.

- Arbieu, U.**, Grünewald, C., Martín-López, B., Schleuning, M. & Böhning-Gaese, K. (2018) Large mammal diversity matters for wildlife tourism in Southern African protected areas: insights for management. *Ecosystem Services*, 31, 481-490.
- Balvanera, P., Calderón-Contreras, R., Castro, A.J., Felipe-Lucia, M.R., Geijzendorffer, I.R., Jacobs, S., Martín-López, B., **Arbieu, U.**, Ifejika Speranza, C., Locatelli, B., Pérez Harguindeguy, N., Ruiz Mercado, I., Spierenburg, M.J., Vallet, A., Lynes, L. & Gillson, L. (2017) Interconnected place-based social–ecological research can inform global sustainability. *Current Opinion in Environmental Sustainability*, 29, 1-7.
- Arbieu, U.**, Grünewald, C., Schleuning, M. & Böhning-Gaese, K. (2017) The importance of vegetation density for tourists' wildlife viewing experience and satisfaction in African savannah ecosystems. *PLoS ONE*, e0185793.
- Arbieu, U.**, Grünewald, C., Martín-López, B., Schleuning, M. & Böhning-Gaese, K. (2017) Mismatches between supply and demand in wildlife tourism: insights for assessing cultural ecosystem services. *Ecological Indicators*, 78, 282-291.

Reviewing activities

Member of the Review College of the British Ecological Society (since July 2020): Outreach grants (3), Ecologists in Africa (1).

Reviewing for Journals: *Animals* (1), *Biological Conservation* (4), *Conservation Biology* (1), *Conservation Letters* (1), *Conservation Science and Practice* (3), *Ecological Economics* (1), *Ecosystems and People* (1), *Ecological Indicators* (1), *Ecosystem Services* (2), *Environmental Research Letters* (1), *European Journal of Wildlife Research* (2), *Human Dimensions of Wildlife* (2), *Journal of Applied Ecology* (1).

Invited seminars

Arbieu, U. KnowWolf: un outil digital interactif appliqué à la cohabitation homme-loup. Centre d'Écologie et des Sciences de la Conservation, Paris (France, 2019). Host: Dr. Romain Julliard.

Arbieu, U. KnowWolf: a knowledge transfer project on human-wolf coexistence across borders. Estación Biológica de Doñana, Sevilla (Spain, 2019). Host: Prof. E. Revilla.

Arbieu, U. Information sources, emotions and human-carnivore coexistence. Centre d'Écologie Fonctionnelle et Évolutive (CEFE), Montpellier (France, 2018). Host: Prof. O. Gimenez.

Arbieu, U. Sozial-ökologische Auswirkungen der Rückkehr der Wölfe (*Canis lupus*) in Deutschland und Wege zur Koexistenz. Meeting between the Saxony Ministry of the Environment, Lupus and Kontaktbüro Lausitz, Rietschen (Germany, 2017).

Presentations at international conferences

Arbieu, U., Mehring, M., Bunnefeld, N., Kaczensky, P., Reinhardt, I., Ansorge, H., Böhning-Gaese, K., Glikman, J.A., Kluth, G., Nowak, C. & Müller, T. (2018) Information shape

attitudes and matter for human-carnivore coexistence. (**oral presentation**) Pathways Europe 2018, Goslar (Germany).

Arbieu, U., Mehring, M., Bunnefeld, N., Reinhardt, I., Kaczensky, P., Nowak, C., Ansorge, H., Böhning-Gaese, K. & Müller, T. (2017) Social-ecological implications of wolves returning to Germany: quantifying attitudes and understanding their determinants. (**oral presentation**) BES, GFÖ, NECOV and EEF joint annual meeting: Ecology Across Borders, Ghent (Belgium).

Arbieu, U., Mehring, M., Bunnefeld, N., Reinhardt, I., Kaczensky, P., & Müller, T. (2017) Social-ecological implications of a large carnivore recovery: understanding attitudes toward recolonizing wolves in Germany. (**speed talk**) 2nd conference of the Program on Ecosystem Change and Society (PECS 2017), Oaxaca (Mexico).

Arbieu, U., Mehring, M., Bunnefeld, N., Reinhardt, I., Kaczensky, P., Nowak, C., Ansorge, H., Böhning-Gaese, K. & Müller, T. (2017) Attitudes towards wolves (*Canis lupus*) in Germany: information and exposure matter. (**poster**) Geobiodiversity – an integrative approach expanding Humboldt’s vision, Senckenberg Institute, Frankfurt am Main (Germany).

Arbieu, U., Grünewald, C., Schleuning, M. & Böhning-Gaese, K. (2016) Biodiversity and wildlife tourism in Southern Africa: a cultural ecosystem service assessment. (**oral presentation**) International Conference on Ecological Sciences, French Ecological Society, Marseille (France).

Arbieu, U., Grünewald, C., Schleuning, M. & Böhning-Gaese, K. (2016) Biodiversity and wildlife tourism in Southern Africa: a cultural ecosystem service assessment. (**oral presentation**) 46th annual meeting of the Ecological Society of Germany, Austria and Switzerland (GFÖ), Marburg (Germany).

Arbieu, U., Grünewald, C., Schleuning, M. & Böhning-Gaese, K. (2015) Charismatic and rare mammal species matter for cultural ecosystem services. (**oral presentation**) Annual meeting of the British Ecological Society (BES), Edinburgh (Scotland).

Arbieu, U., Grünewald, C., Schleuning, M. & Böhning-Gaese, K. (2015) Charismatic and rare mammal species matter for cultural ecosystem services. (**oral presentation**) 1st conference of the Program on Ecosystem Change and Society (PECS 2015), Stellenbosch (South Africa).

Arbieu, U., Grünewald, C., Schleuning, M. & Böhning-Gaese, K. (2015) Relationships between large mammal diversity and wildlife tourism in Southern Africa. (**oral presentation**) 45th annual meeting of the Ecological Society of Germany, Austria and Switzerland (GFÖ), Göttingen (Germany).

Science and Society activities

Since 2020 Research partner of the Groupe Mammalogique et Herpétologique du Limousin (GMHL, French environmental NGO), developing a tool to evaluate livestock exposure to carnivore depredation in France.

2017 – 2019 Frankfurt “**Night of Museums**” (Senckenberg Natural History Museum, ca. 9,000 attendees): interactive experiments on emotions and attitudes towards wolf, bear and lynx.

Languages

French (native speaker), English (written and spoken), Spanish (intermediate), German (intermediate, level B1), Swedish (basic, level A1).