

## Short Bio

### Marcel Huijser, PhD

#### Research Ecologist

#### Qualifications Overview



Marcel Huijser is a senior research ecologist with 33 years of experience. Specializing in road ecology since 1995, he has conducted research in Europe, North America, South America, and Asia. His focus is on the ecological impacts of transportation infrastructure as well as mitigation measures aimed at reducing these impacts. Most of his research relates to reducing large mammal-vehicle collisions, providing safe crossing opportunities for wildlife, and cost-benefit analyses regarding the implementation of mitigation measures. He advises students and has taught road ecology courses for MSc and PhD students, and a course on wildlife habitat, conservation, and management.

Marcel has led several dozens of road ecology projects, **including a report to U.S. Congress** on reducing wildlife-vehicle collisions (2008), and several handbooks containing practical suggestions on implementing effective mitigation measures aimed at **reducing wildlife-vehicle collisions** (2008, 2022) and **providing safe crossing opportunities for wildlife** (2011, 2022). While mitigation measures may be required based on human safety and biological conservation parameters alone, Marcel also developed a **cost-benefit model** (2009, 2022) that serves as a decision-support tool based on economics. While Marcel is an applied research ecologist, he also values publishing in peer-reviewed journals.

**Project Experience and Publications**, including peer-reviewed articles in scientific journals, book chapters, and reports: <https://www.mphetc.com/publications>

#### Years of Experience: 33

#### Primary current affiliations

- Senior research ecologist, Western Transportation Institute – Montana State University (since 2002).
- MPH Ecological and Transportation Consulting, LLC (since 2016).

#### Past affiliations

- Instructor Wildlife Biology Program, University of Montana (2021-2022).
- Visiting professor, *University of São Paulo, Brazil* (2014-2019).
- Research Ecologist, Institute for Animal Husbandry, The Netherlands (1999-2002).
- Researcher, Dutch Mammal Society (1995-1998).
- Research ecologist, Dutch Ministry of Transportation and Waterworks (1992-1995).

#### Subject area expertise

- Road ecology
- Ecological impacts of infrastructure
- Mitigation measures aimed at reducing large mammal-vehicle collisions and providing safe crossing opportunities for wildlife
- Cost-benefit analyses for wildlife mitigation measures

#### Education

- PhD, road ecology, Wageningen University, Netherlands (2000).
- MSc, ecology, Wageningen University, Netherlands (1992).

#### Key Skills

- Ecology
- Data analyses
- Writing and presentation
- Project management

#### Contact:

- [marcelhuijser@mphetc.com](mailto:marcelhuijser@mphetc.com)
- +1-406-543-2377