
Preface

The evolution of a book

Animal movement has been a core research field at the Department of Biology at Lund University for decades, although studies of different taxa have traditionally been performed at different departments, using different approaches. When we received a joint, long-term Linnaeus grant from the Swedish Research Council (Vetenskapsrådet) in 2008, we decided to not only continue our individual research paths, but also aim at opening up a broader avenue by utilizing our different scientific and technical approaches, taxa, and research networks. In so doing we decided that a book would be a suitable way to synthesize, but also give our own view of, the scientific field of animal movement. Our first step was to open up for suggestions of interesting chapters and twelve of us volunteered as lead authors, and we then met at a 3-day workshop where the outline of each chapter was discussed. After the inspiring workshop, the lead authors invited co-authors for their specific chapters and an almost twelve-month writing process was initiated. A major aim with this book project has also been to involve younger researchers in the writing and discussion process; a strategy that turned out to be very successful. Following the writing process, each chapter was sent out for international review and based on those comments the final version of each chapter was submitted. Then all interested lead authors were engaged in providing input to the synthesis chapter (Chapter 14), which not only constitutes the end of the book you now hold in your hand, but also of our scientific process of synthesizing the research field of animal movement. The evolutionary process of producing this book has been very creative and inspiring for us and we hope that you as a reader will

find it useful and stimulating for your own studies and understanding of the fascinating field of animal movement across all scales! In order to guide you through the book we will below give some hints which may assist you as a reader.

To you as reader

During the writing process we decided that the target audience should be advanced undergraduate and graduate students, but a major aim has also been to provide an accessible and updated research-level text for professional researchers on animal movement, as well as established researchers from other fields entering the diverse area of animal movement. Moreover, we also wanted interested laymen to find the book engaging. In order to reach these categories of readers the chapters are written and edited in a way that makes the text as appealing and easily accessible as possible with many cross references among the chapters to make it easy to follow up intriguing subjects. To further highlight stimulating and noteworthy subjects, we have used ample illustrations to emphasize important concepts and processes. Moreover, at the end of the book we provide a glossary which hopefully will be useful for you who is new in the field of animal movement. Each chapter constitutes a unit and stands by itself, meaning that some illustrative examples or aspects of movement are taken up and discussed from different viewpoints in several chapters. This may be regarded as repetitive, although we hope you as reader will be indulgent towards this. An overall aim with this book has been to compile novel and interesting findings on movement ecology in order to stimulate and encourage the reader, rather than to provide a complete review

of the research field. We, further, had no ambition to repeat or cover identical fields as other recent and excellent reviews or books (for example Dickinson et al. 2000, Nathan et al. 2008, Milner-Gulland et al. 2011, Clobert et al. 2012; Bauer and Høye 2014). Instead this book has emerged through a creative process and thereby mainly reflects subjective cherry-picking by each author of especially absorbing, timely, and enlightening research. We indeed hope that you as a reader will find the subjects raised, and the viewpoints taken, as fascinating as we have found them during the writing process.

Thanks!

Just like animal movements, a book project requires a lot of energy and subsidies and this project would not have been possible without the support through our Linnaeus research platform CANMove, funded by the Swedish Research Council (Vetenskapsrådet) and Lund University. The Royal Physiographic Society and Stiftelsen Villa San Michele provided much appreciated logistics to L-AH during the editing of the book. All chapters have been reviewed and we would like to warmly thank all reviewers for very professional inputs, which have indeed improved the quality of the book. Since some of the reviewers would like to remain anonymous, reviewer names will not be provided here. Ben B. Chapman made a linguistic check of all chapters and Maria Sol Souza drew most of the illustrations, as well as the beautiful and thought-provoking cover. Anna

Persson made the illustrations to Chapter 4. Emil Assarsson made a very professional job with the layout of the figures. Moreover, Thomas Alerstam has been supervisor or mentor for many of us and his enormous impact within the field of bird migration and navigation is clearly mirrored in the amount of citations of his work in this book. Finally, I would like to thank my wife, Ann-Christin, for fruitful discussions and ideas that would almost merit a co-editorship, and Linn, Sigrid, and Yrsa for being wonderful. The chapters of the book were written during fall 2012 and spring 2013 and edited in Askustorp, Hästveda, Sweden, and Villa San Michele, Capri, Italy, during summer 2013.

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