Contents

Using Large-Scale Data from Ringed Birds for the Investigation of Effects of Climate Change on Migrating Birds: Pitfalls and Prospects

WOLFGANG FIEDLER, FRANZ BAIRLEIN and ULRICH KÖPPEN

Breeding Dates and Reproductive Performance

PETER DUNN

Global Climate Change Leads to Mistimed Avian Reproduction

MARCEL E. VISSER, CHRISTIAAN BOTH and MARCEL M. LAMBRECHTS

Analysis and Interpretation of Long-Term Studies Investigating Responses to Climate Change

ANDERS P. MØLLER and JUHA MERILÄ

Photoperiodic Response and the Adaptability of Avian Life Cycles to Environmental Change

TIMOTHY COPPACK and FRANCISCO PULIDO

Microevolutionary Response to Climatic Change

FRANCISCO PULIDO and PETER BERTHOLD

Climate Influences on Avian Population Dynamics

BERNT-ERIK SÆTHER, WILLIAM J. SUTHERLAND and STEINAR ENGEN

Importance of Climate Change for the Ranges, Communities and Conservation of Birds

KATRIN BÖHNING-GAESE and NICOLE LEMOINE

The Challenge of Future Research on Climate Change and Avian Biology

ANDERS P. MØLLER, PETER BERTHOLD and WOLFGANG FIEDLER