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## The effect of temperature on sex determination

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## **Preface**

This PhD thesis is a result of a program consisting of three PhD projects funded by the Robert Bosch Stiftung. The goal of these projects is to better understand the effects of temperature at different organismal levels, from genes via individuals to populations and ecosystems. Each project covers one or more of these levels which will later be integrated to obtain a broader insight into the effects of temperature in nature at different levels of organization. The top-level project covering ecosystem to population level deals with climatic effects on termite distribution and function in a savanna ecosystem. The second project comprises population and individual levels by investigating the effect of temperature on several plant traits with an emphasis on the metabolic rate in response to acclimation and adaptation. The third and present project covers the genetic to population level and investigates the effect of temperature on sex determination.

