

# Coping with climate change.

Implications of the Yellow-Bellied Marmot's (*Marmota flaviventris*) body mass evolution in the last half-century.

Augustin Birot (300444988)

2024-10-28

## Table of contents

<b>1</b>	<b>Introduction</b>	<b>2</b>
1.1	Phenotypic plasticity vs microevolution . . . . .	2
1.2	Body size as a Life-History Traits (LHT) and expected effect of global warming	2
1.3	LHT coevolution . . . . .	2
1.4	Species and study site . . . . .	2
<b>2</b>	<b>Chapter 1</b>	<b>2</b>
<b>3</b>	<b>Chapter 2</b>	<b>2</b>
<b>4</b>	<b>Chapter 3</b>	<b>2</b>
<b>5</b>	<b>Chapter 4</b>	<b>2</b>
<b>6</b>	<b>References</b>	<b>3</b>

# **1 Introduction**

## **1.1 Phenotypic plasticity vs microevolution**

## **1.2 Body size as a Life-History Traits (LHT) and expected effect of global warming**

## **1.3 LHT coevolution**

## **1.4 Species and study site**

# **2 Chapter 1**

*Methodology:  $I * E$  detection with double random mixed models*

# **3 Chapter 2**

*Marmot's Biology: [...]*

# **4 Chapter 3**

*Marmot's Biology: [...]*

# **5 Chapter 4**

*Marmot's Biology: [...]*

## 6 References