



UNIVERSITY OF MILAN

Ecosystem Functions and Services

**CURRENT AND FUTURE ASSUMPTIONS OF CLIMATE
CHANGE ON
FOOD AS AN AGROECOSYSTEM SERVICE**

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1 Introduction

general bla bla on agroecosystems

like:

on crops and plants Agriculture economics Plant diversification associated benefits insentives from the governments urging this role of policy in this

then mention some services

then we will specify that we want to concertrate on the main service which is food

(Breton et al., 2006)

2 Food as a service

2.1 How food as a service has evolved

2.2 key drivers of this

2.2.1 population

how it has affected them what does the ever increasing number of mouths imply Is there light at the end of the tunnel

2.2.2 climate

just briefly mention it because next section is on climate

2.3 How have this drivers led to the good and the bad

2.4 adaptation of this sytems to the new changes

3 Climate change Manifestations

what is it

3.1 Temperature rise

**** I will do some R visualization here to show the global trend****

bla bla and then we say that some of the most affected communities live in the global south

3.2 Case Study

We will select the subsharan Africa for some visualization

The chunks of africa in the case study

the different ecosystems in this areas(only main and famous one abd very briefly)

Some Questions to be answered

Surface covers

Some NDVI CHANGE over time and what are new surface covers

climate generally

Is the temperature rising here in the specific area, Rainfall, deserticiation, Future trend.

from the trends what are the possible implications on agroecosystems (are we experiencing them yet,)

3.3 implications on agroecosystems

Data sets

Crutem

From corpenicus

USPA

4 Conclusion

Take a way mesaage

5 bibliography

Breton, A. R., Diamond, A. W., & Kress, S. W. (2006). Encounter, survival, and movement probabilities from an atlantic puffin (*fratercula arctica*) metapopulation. *Ecological Monographs*, 76(1), 133–149. <https://doi.org/https://doi.org/10.1890/05-0704>

6 Appendices

6.1 Appendix A: The data sets

6.2 Appendix B: QGIS

6.3 Appendix C: Code