

# SUSTAINABLE FOOD TRANSITION IN PORTUGAL: CURRENT STATE AND OPPORTUNITIES OF CITY-LEVEL DIETARY CHOICES

1: Global Footprint Network; 2: University of Aveiro, Portugal; \*sarapires@ua.pt

Alessandro Galli<sup>1</sup>, Katsunori Iha<sup>1</sup>, David Lin<sup>1</sup>, Armando Alves<sup>2</sup>, Serena Mancini<sup>1</sup>, Sara Moreno Pires<sup>2\*</sup>

## INTRODUCTION

While several studies have investigated the "production side" of food security and sustainability, here we assess the current **food sourcing** and **resource intensity** profile of **consumption choices in Portugal and six cities.** We also do a critical assessment of **local food policy gaps** to trigger a major transformation in the Portuguese food system based on a newly proposed analytical framework.

## **METHODS**

### ECOLOGICAL FOOTPRINT ACCOUNTING

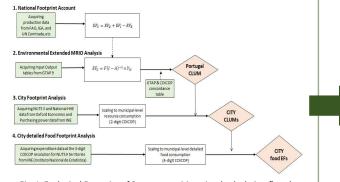
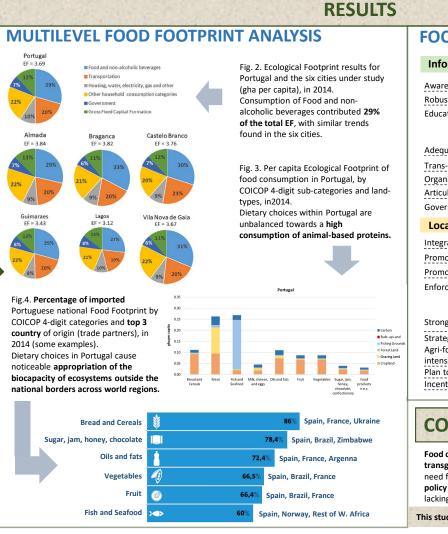


Fig. 1. Ecological Footprint of Portuguese cities: visual calculation flowchart, 2014

#### **PROPOSED FOOD POLICY FRAMEWORK**

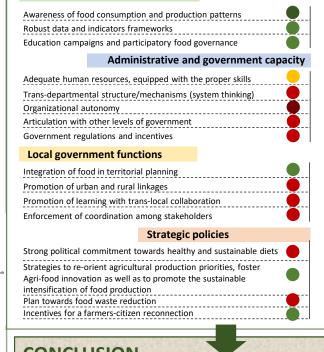
- Information and Awareness
- Administrative and gov. capacity
  - Local government functions
  - Strategic policies

FOOD POLICY ASSESSMENT IN SIX PORTUGUESE CITIES [2019], through an open questionnaire sent to these cities that are partners of the Ecological Footprint of Portuguese Municipalities project (https://www.pegadamunicipios.pt/).



### FOOD POLICY ANALYSIS

#### Information and Awareness



## CONCLUSION

Food consumption in Portugal is the single largest reason (≈30%) for transgressing the carrying capacity of Earth ecosystems. Despite the urgent need for changes in Portuguese food systems, major deficiencies in local policy implementation exist with weak policy commitment, coordination, and lacking institutional capacity as food policies are still not prioritized.

This study has been published at: https://doi.org/10.1016/j.scitotenv.2020.141307