

From Biowaste to Agroecological Value: Lighthouse Demonstrations of Circular Practices in the Famagusta–Larnaka Living Lab (Cyprus)

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ἀπαρθενάσα

Agroforestry Field



INTRODUCTION

About ecoFABULAndS

The ecoFABULAndS project promotes the agroecological transition of European farming systems through Living Labs and multi-actor co-creation processes. The Famagusta–Larnaka Living Lab (FLLL) focuses on arid and semi-arid Mediterranean agriculture, applying circular economy principles to improve soil health, biodiversity, and resource efficiency.

OUR APPROACH



CHALLENGE
Biowaste and low soil fertility



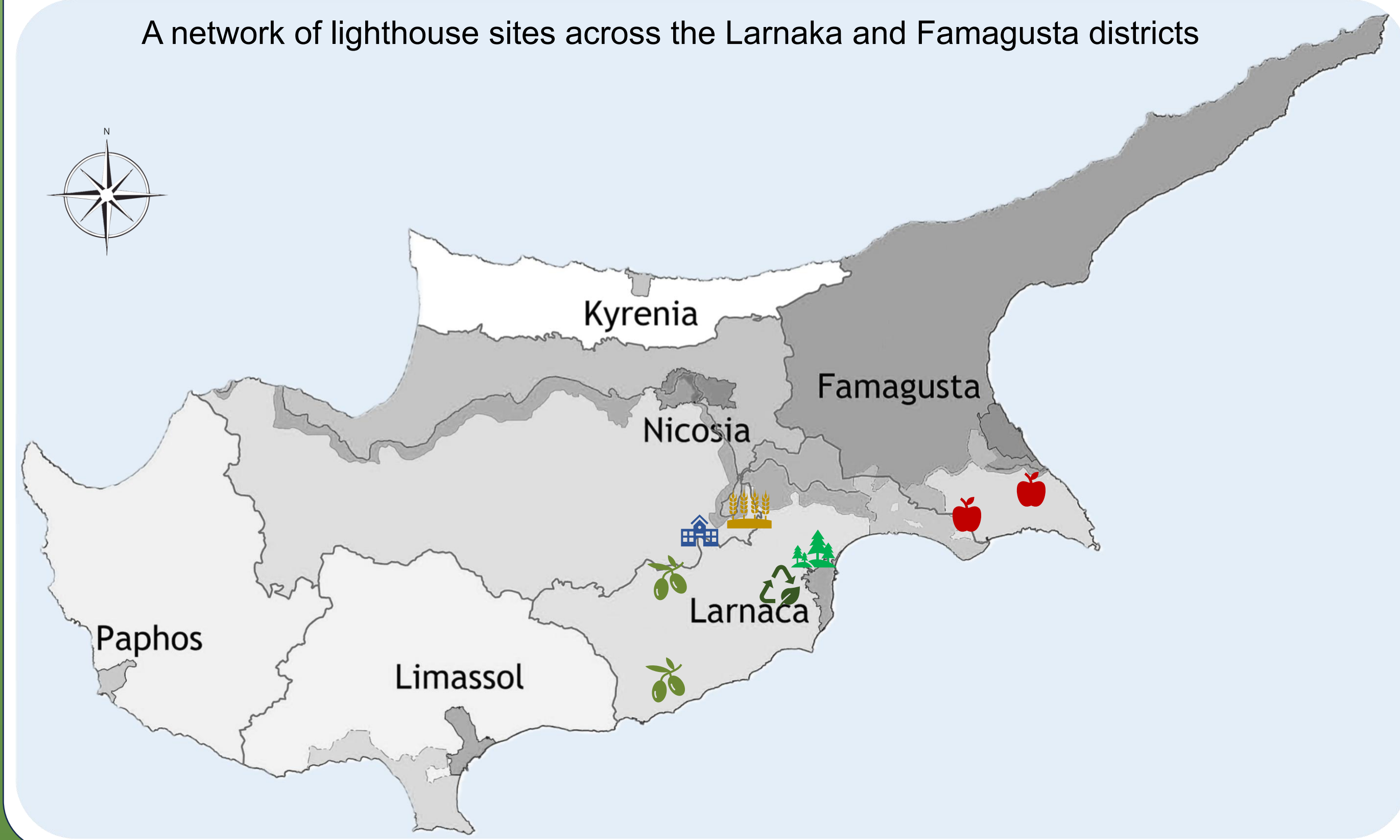
SOLUTION
Circular Valorisation & Agroecology



IMPACT
Healthy Soils, Resilient Farms & stronger communities

THE FAMAGUSTA-LARNAKA LIVING LAB

A network of lighthouse sites across the Larnaka and Famagusta districts



- Food production & Packaging
- Composting
- Agroforestry
- Olive Farming
- Livestock feed production
- School

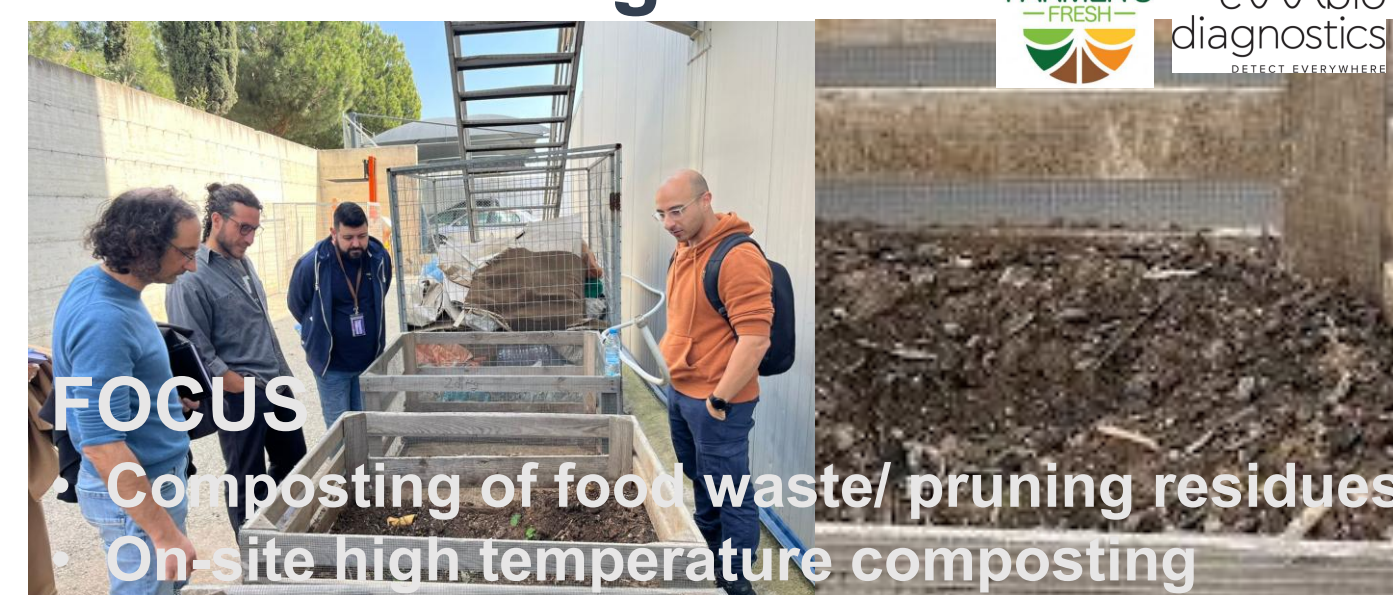
LIGHTHOUSES SITES – DEMONSTRATING AGROECOLOGICAL & CIRCULAR PRACTICES

1 Orthodoxos–Misos Food Packaging Xylofagou



CONTRIBUTION
- Water efficiency
- Soil health under long-term irrigation

2 Farmer's Fresh & Healthy Products Ltd (FFH) - EMBIO diagnostics Dromoloxia



CONTRIBUTION
- Organic matter & nutrient cycling
- Circular management biowaste

3 Agroforestry Field Aradippou



CONTRIBUTION
- Biodiversity enhancement
- Soil regeneration & water retention

4 To pervoli tou Theodorou Maroni



CONTRIBUTION
- Soil conservation
- Biodiversity & ecosystem services

5 Aparthenasa Sia



CONTRIBUTION
- Soil health improvement
- Climate resilience & quality production

6 Ioannou Farm Avgorou



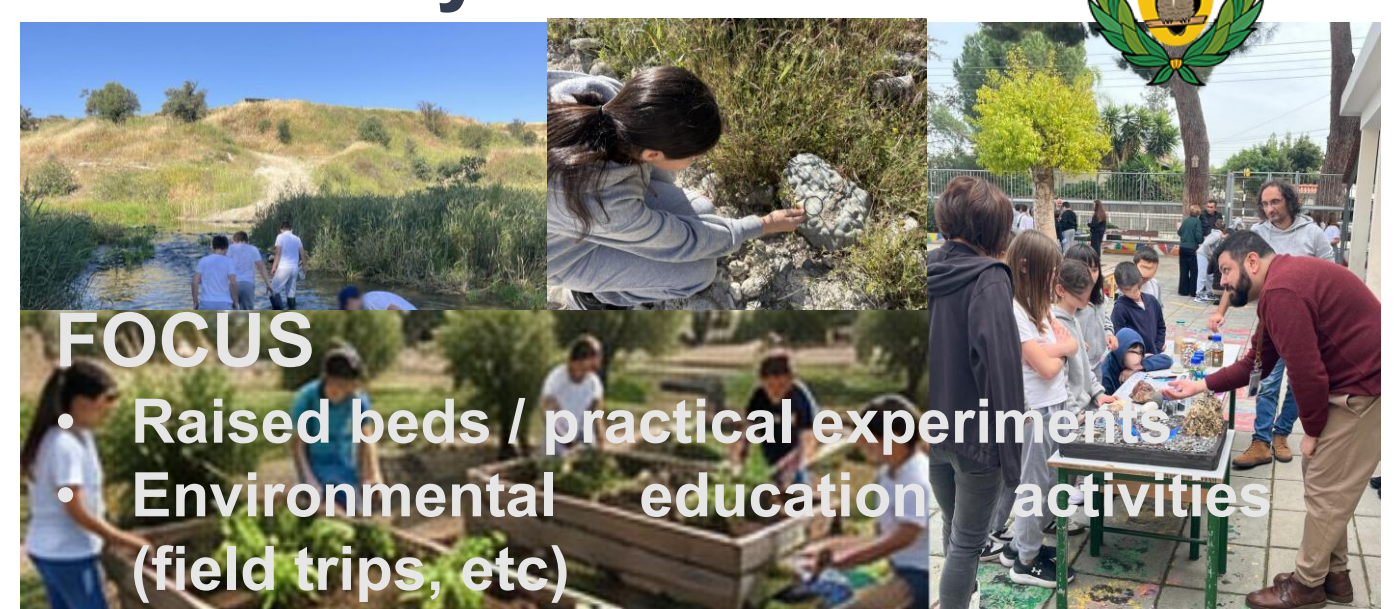
CONTRIBUTION
- Soil fertility & organic matter
- Sustainable food production

7 Kouloumbri Farm Dali



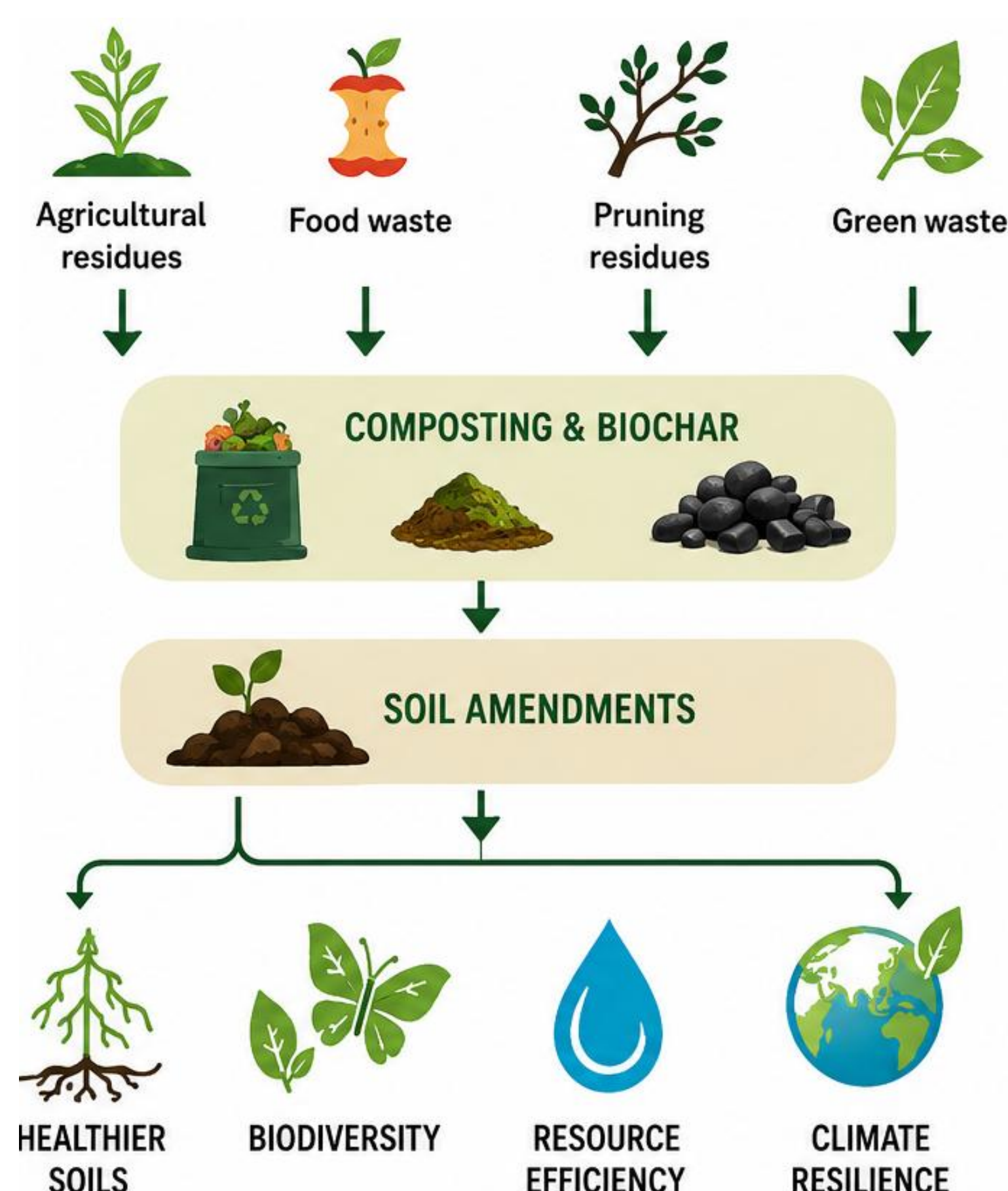
CONTRIBUTION
- Carbon sequestration
- Improved soil structure & fertility

8 Ayia Varvara Primary School Ayia Varvara



CONTRIBUTION
- Student engagement & soil education
- Awareness for the next generation

CIRCULAR BIOECONOMY PATHWAY



KNOWLEDGE CO-PRODUCTION



KEY MESSAGES

- Lighthouse sites demonstrate diverse pathways for circular bioeconomy implementation.
- We expect that Biowaste valorisation through composting soil amendments and biochar will support soil restoration and reduce external inputs.
- Living Labs facilitate stakeholder engagement and knowledge co-production among key actors.
- With the establishment of the FLLL, we aim to provide a transferable model for Mediterranean regions facing similar climatic challenges

Acknowledgements

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