

GREENRESILIENT: AGROECOLOGICAL APPROACH TO ORGANIC GREENHOUSE PRODUCTION IN EUROPE

Fabio Tittarelli¹, Luigi Morra², Elena Testani¹, Corrado Ciaccia¹

¹CREA - Council for Agricultural Research and Economics, Research Centre for Agriculture and Environment, Via della Navicella, 2, 00184, Roma (RM), Italy.
²CREA - Council for Agricultural Research and Economics, Research Centre for Cereal and Industrial Crops, Via Torino, 2, 81100, Caserta (CE), Italy.

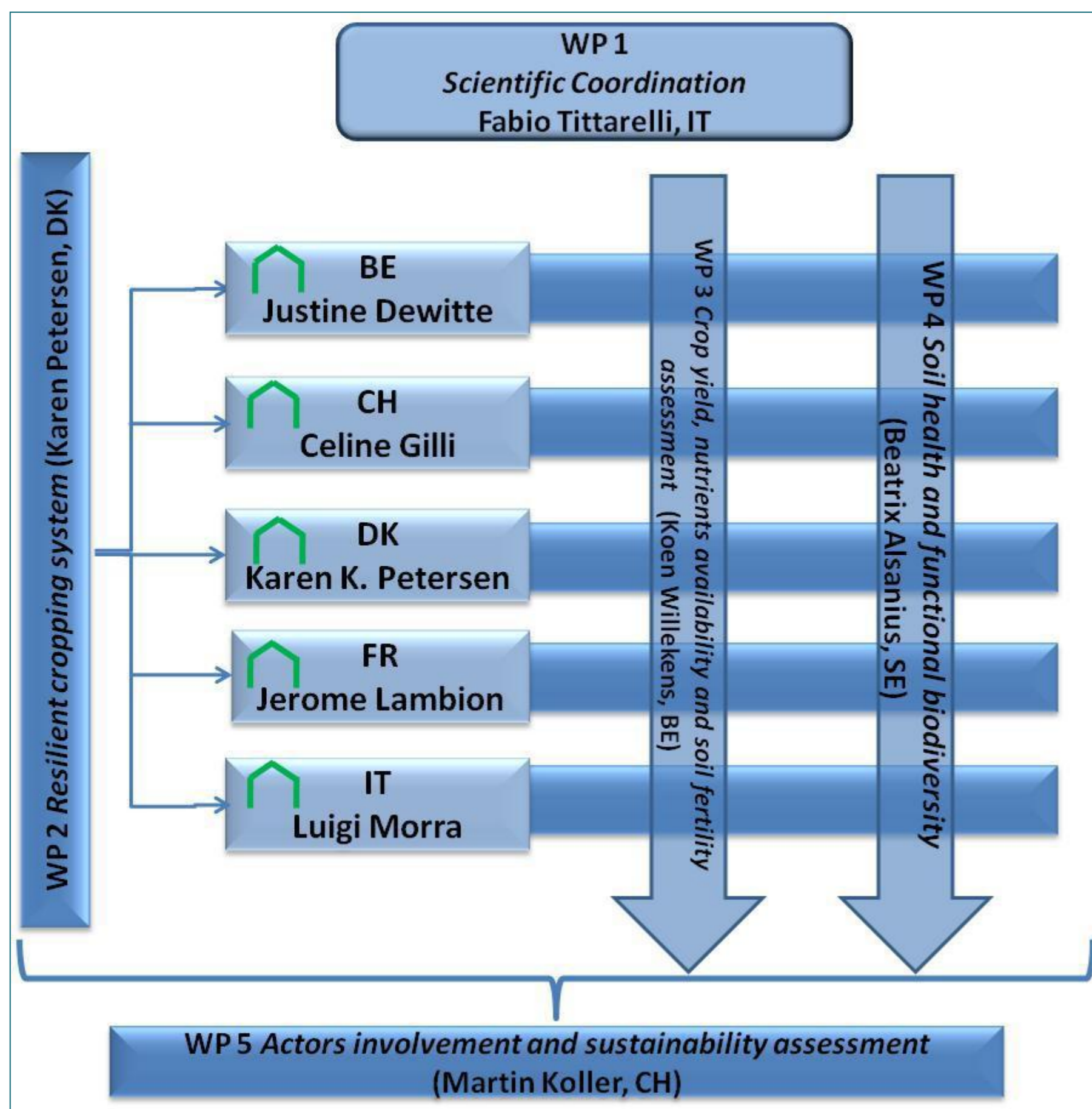
Introduction

All over Europe, organic greenhouse production systems are usually very intensive, which threatens their sustainability and the consumer trust. The implementation of less intensive production systems based on low energy consumption, appropriate crop rotations, use of agroecological service crops, and local organic inputs is possible at almost any latitude in Europe.

Objective

The main objective of the Greenresilient project (Organic and bio-dynamic vegetable production in low-energy GREENhouses – sustainable, RESILIENT and innovative food production systems) is to demonstrate that an agroecological approach to organic greenhouse production is feasible in different European areas.

Project structure



System approach



VS



Innovative

Business as usual

The system-based approach implies to go beyond the research undertaken at the level of the components of the system to better understand the interactions between those components (Final paper on a strategic approach to EU agricultural research and innovation, 2016).

Main Topics

Crop yield, nutrients availability and soil fertility assessment

Soil health and functional biodiversity

Sustainability assessment

Communication and actors' involvement

Food citizenship



- ✓ More direct connection between those who grow our food and those who consume it
- ✓ Improve the level of awareness of consumers on food production systems
- ✓ Communities of growers and eaters can create alternative "food network" respect to industrial food systems (Gliessmann, 2016)

