



**Coordinator: Christos DORDAS**  
**Institute : AUTH**  
**Location : Thessaloniki – Thermi**  
**Climate :Mediterranean, annual rain fall = 498 mm**  
**Soil and practices : loam (L) soil (Typic Xerorthent) and Conventional**  
**Date of 1st implantation: December 1st, 2017**



## 1. The MAP context:

**Diagnosis at the regional scale :** limiting factors, dry climate during spring and summer and in some years very low temperatures during winter. What are the targets or new expectations that current local agricultural systems do not reach? Suitable varieties for region and mixed system, lack of herbicides for intercropping systems in conventional farming, seed sorting/separating, lack of adequate knowledge for sowing times, densities, management and possibilities in terms of species mixtures and varieties.

**What are the main characteristics of the socioeconomic context?** lack of market for intercropping species

**Which are/will be the activities on your MAP?** Growing wheat and lentil, and also wheat and pea for cultivar evaluation for intercropping and breeding scheme for intercropping and wheat and pea for physiological (links with other WP : 2 and 4), demonstration (wheat and pea), experimentation wheat and pea five different cultivars from each species and wheat and pea two cultivars

## 2. Partners in codesigning

### Main actors involved :

Who are they ? Local farmers, farm advisors, students that are farmers or involved in the farming industry  
How are they recruited ? Contact and talks in meetings  
What are their expectations ? To find an alternative cropping systems.  
How are they involve in crop mixtures up to now ? There is a collaboration with some of the them in previous projects.

### Farmers :

How many farmers ? Target 10-15, How are they recruited ? Personal contact  
What are their expectations ? To find an alternative cropping systems  
What is their level of involvement ? They have seen intercropping systems and interested in using it.  
What past experience in crop mixtures ? some

### Other stakeholders :

who are they? Researchers, advisors, extension services, seed companies and pesticides and fertilizer companies  
What are their expectations? Find new markets.

How is organized the animation between partners? Meeting, field days and talks. How do they interact? Meetings emails. What do they exchange? Information and previous knowledge and experience.

Are there other actors interacting with the MAP, who are not involved in co-designing (visitors)? Farmers, seed, fertilizer and pesticide companies and professional in agriculture industry.

## 3. The crops mixtures in the MAP

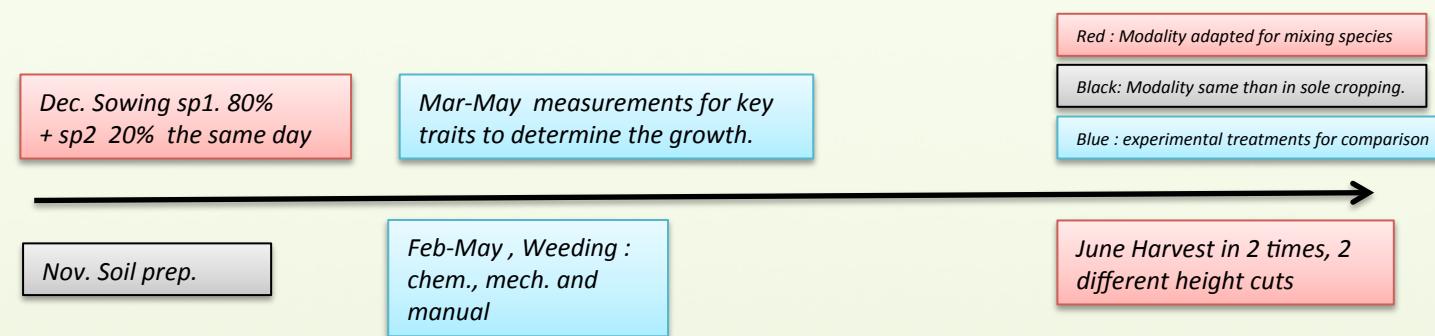
How are chosen the crop mixtures ? Importance for human nutrition and adaptability to the area.  
Who proposed them? Members of the AUTH team.  
What are your questions on the crop mixtures? Can we grow and produce a good yield?  
Are they the same for each satellite farmers? No satellite farms for this year.  
What knowledge is available/mobilized for designing? Previous work for 10 years in intercropping.  
Where do you find it? Published.  
What knowledge is missing? More work on new intercropping systems.



Wheat + Lentil

### Crop mixture : Wheat + Lentil

Why this Crop mixture? Importance for human nutrition and adaptability to the area.  
Who proposed it? Members of the AUTH team, tested in France, Toulouse. Is it new or rather well-known? It is new for Greece.  
Which eco-services are targeted? Which modalities are tested by farmers?



Wheat + Lentil

## 4. Next steps: what have you forecast in your MAP for the coming months?

We will take measurements and determine grain yield of the two species that are used and also have field days for the farmers, farm advisors, researchers and the other stakeholders that are involved in agriculture in Greece.

