

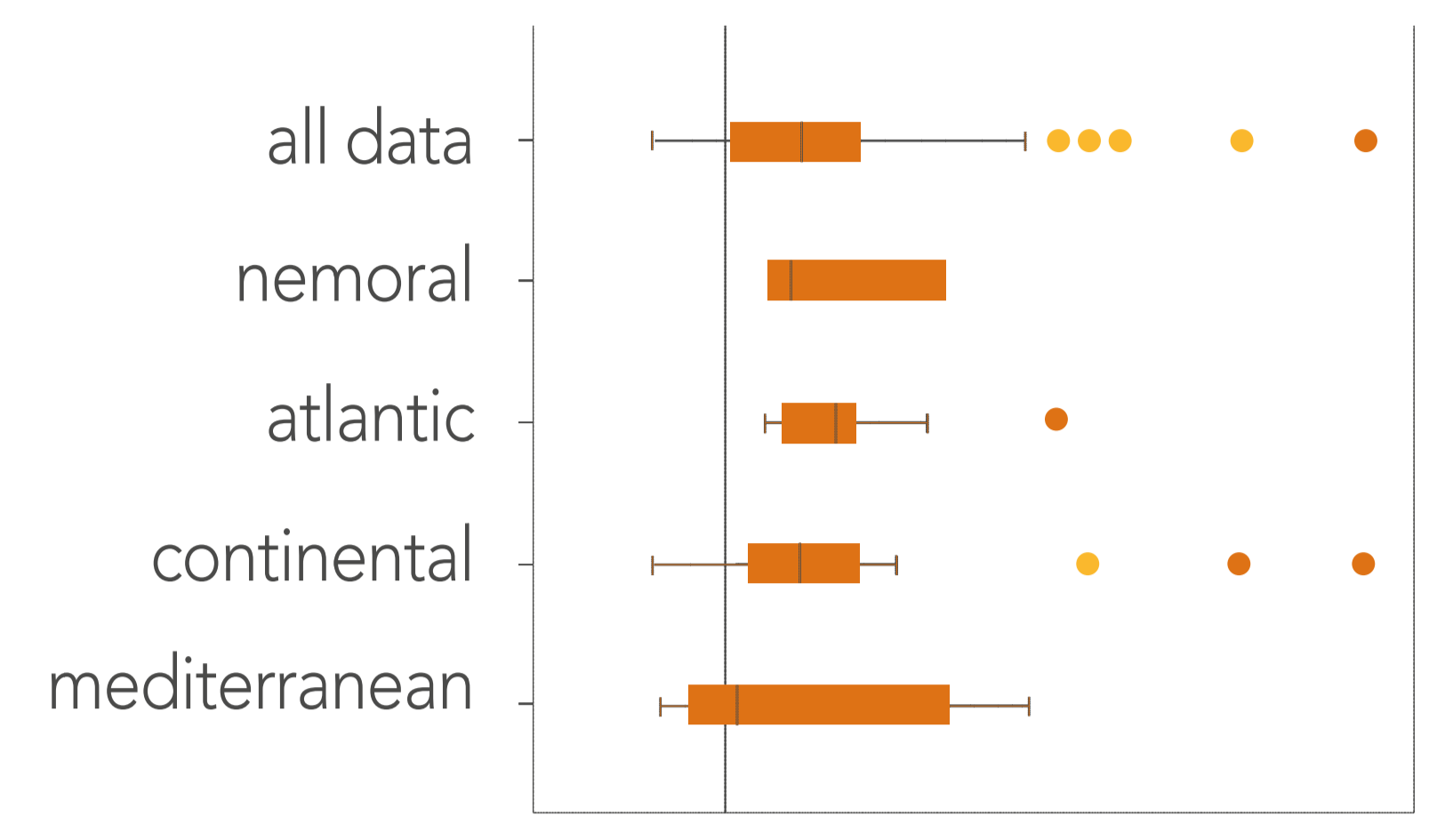
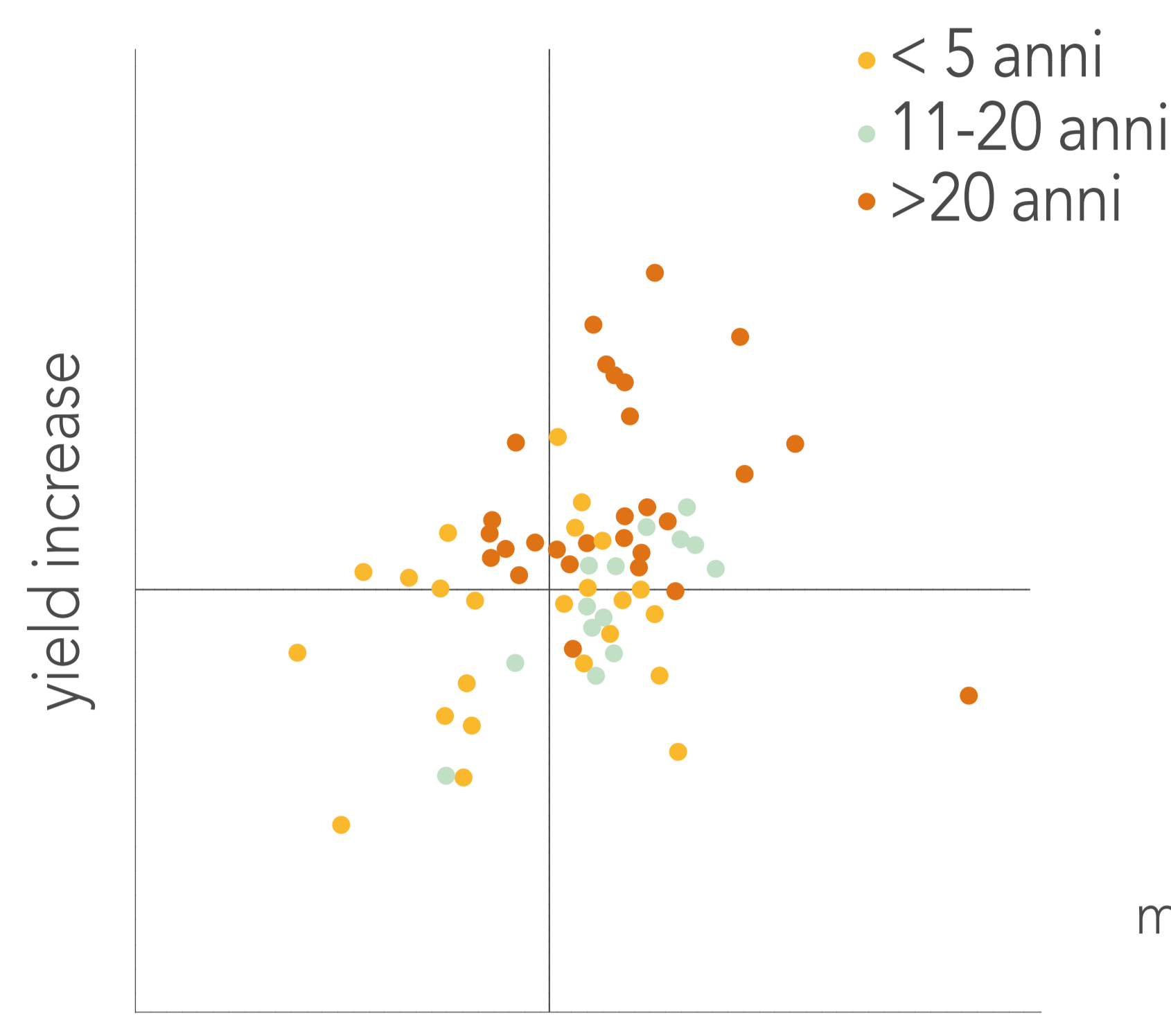
SUSTAINABLE CROP MANAGEMENT



Scientific research on cultivation practices

Impact on crop yield and soil quality of crop residue incorporation in the soil.

1. Effect of experiment duration.
2. Effect of climate.



improvement of soil quality 1.

improvement of soil quality 2.



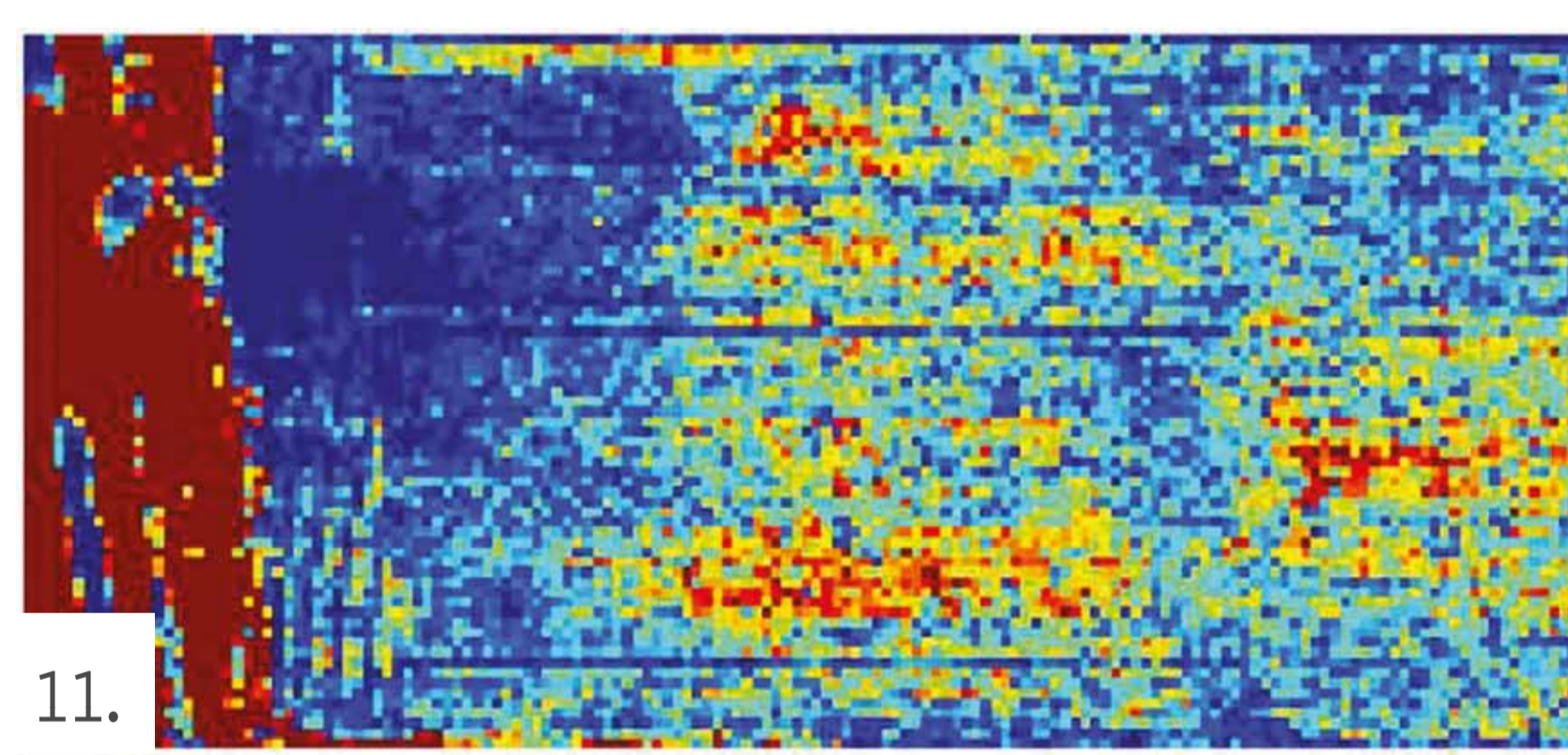
Survey on farmers adoption of sustainable cultivation practices

3. Survey on fertilisation of greenhouse horticultural crops
4. Sampling of soil solution



Experimental approaches to favour the diffusion of sustainable management practices

5. Measurement of stomatal conductance in spinach
- 6, 7, 8. Agronomic valorisation of livestock manure: field distribution of livestock slurries (6, 7), comparison of the effect of different fertilisers (8)



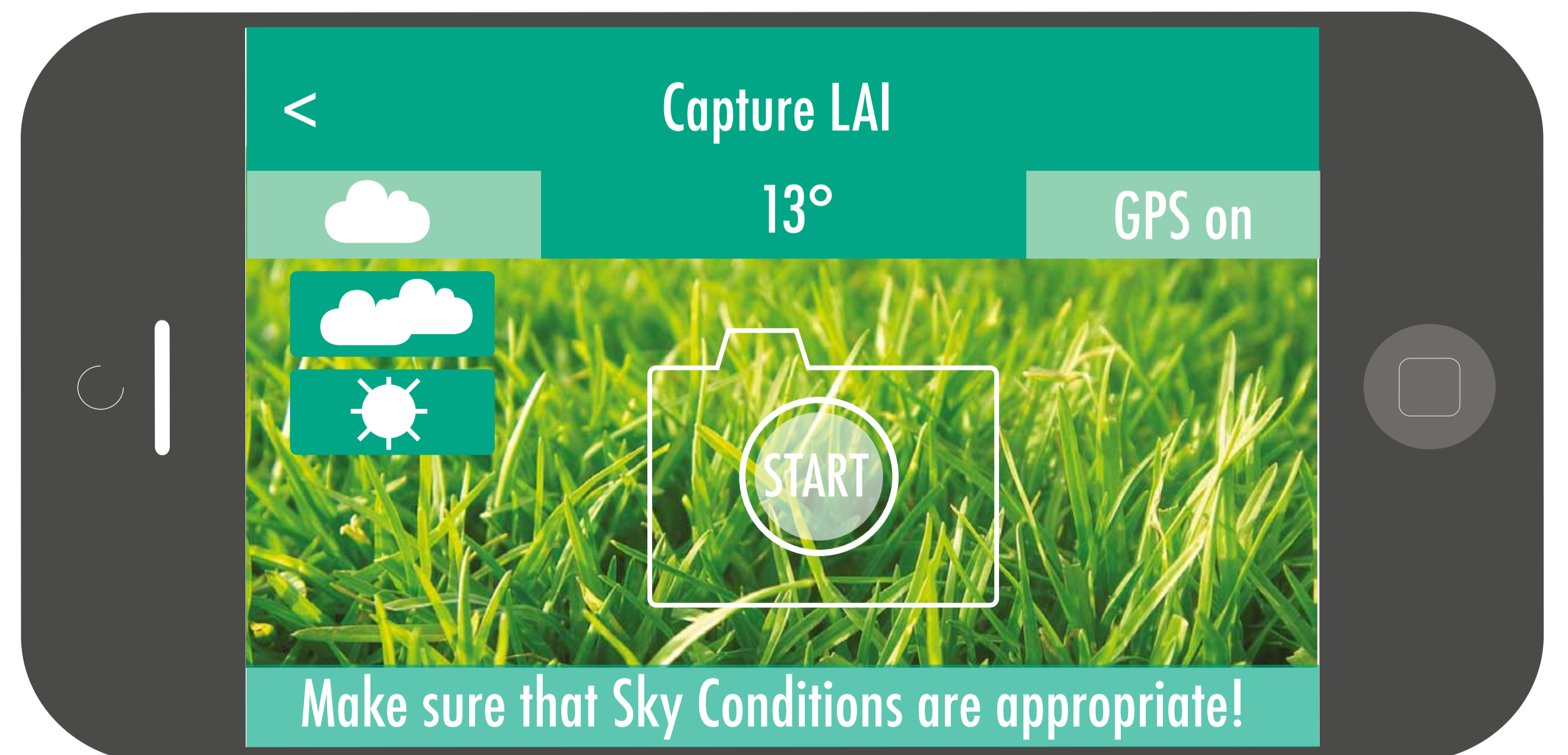
Tools for farmers and advisors

9. Acquisition of multi-spectral images with a drone
10. Infrared image of a cultivated field
11. Estimated of maize above ground biomass for the same field



Smart app

12, 13. App for smartphone to estimate the leaf area index



12, 13.

