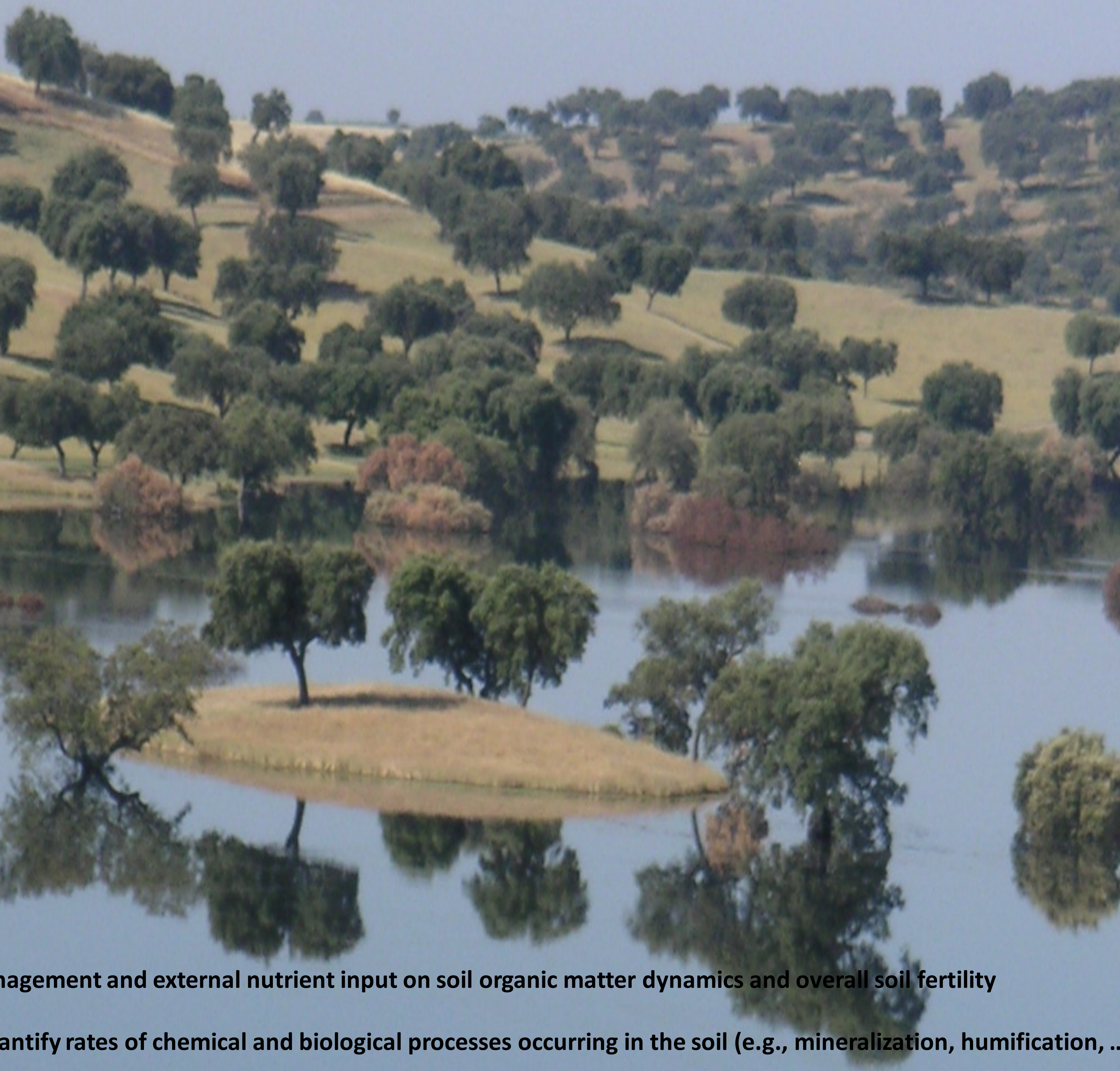


Olive Orchards Water Use and Irrigation Requirements
Horticulture Production and Efficient Use of Nutrients
Sustainable Soil Conservation and Soil Management Systems
Impacts of Climate on Agricultural Systems

Hydraulics and
Intelligent Irrig
Hydrology, Pla
Impacts of Cli



management and external nutrient input on soil organic matter dynamics and overall soil fertility

quantify rates of chemical and biological processes occurring in the soil (e.g., mineralization, humification, ...)

**intensive and super-intensive orchards and recommendation of sound irrigation scheduling techniques through
data from multispectral satellites orbiting the earth and in situ bio-sensors placed in trees**

ripening season and economical returns of horticultural crops

... m under development