



LIFE12 ENV/IT/000336

"Anti-infective environmental friendly molecules against plant pathogenic bacteria for reducing Cu"



BACKGROUND

Copper-based fungicides and bactericides have been used in plant protection since the middle of the 1800's....BUT

....copper does not degrade into the soil which leads to its bioaccumulation into agricultural soils and ultimately the contamination of watercourses. Copper is toxic for living organisms!

1.

2.

The goal of the After-Cu project will be the demonstration of environmentally friendly and sustainable strategies for the control of plant bacterial diseases, in a view to replace traditional copper compounds used in conventional and organic agriculture.

PROJECT OBJECTIVES



THE AFTER Cu APPROACH

The aim of the project will be pursued specifically by demonstrating the efficacy and reliability of antivirulence oligopeptide based molecules, to control the early steps of the interaction between a phytopathogenic bacterium and a plant.

3.



Fattoria Soldano



Project coordinator:

Professor Stefania Tegli –UNIFI (stefania.tegli@unifi.it)