



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.



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AFTER Cu
Eco-innovation in plant disease control

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

www.lifeaftercu.com





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!

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



MAIN PROJECT ACTIONS

1. demonstrate the performances of the project anti-virulence peptides at laboratory, pilot and field scale
2. demonstrate the chemical stability of the anti-virulence peptides
3. demonstrate the positive ecotoxicological profile of the anti-infective peptides
4. demonstrate the absence of side effects of the anti-virulence peptides on common molecular targets of living organisms

