



UNIONE EUROPEA
FONDO EUROPEO DI SVILUPPO
REGIONALE
FONDO SOCIALE EUROPEO



**Ministero dello Sviluppo
Economico**



REGIONE PUGLIA
Dipartimento Sviluppo Economico,
Innovazione, Istruzione, Formazione e
Lavoro

REGIONE PUGLIA, POR Puglia FESR-FSE 2014-2020
Asse prioritario 1 - Ricerca, sviluppo tecnologico, innovazione,
Azione 1.4.b-“Supporto alla generazione di soluzioni innovative a
specifici problemi di rilevanza sociale”.

BANDO INNOLABS

PROGETTO DEMETRA

**“Design e sperimentazione di tecnologie
innovative per la diagnosi precoce e
trattamento del CoDiRO”**



Institute for Sustainable Plant Protection
National Research Council of Italy



I^A WORKSHOP, DAJS-Distretto Agroalimentare di Qualità Jonico Salentino, Lecce, 10 Maggio 2019



Politecnico
di Bari



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IPSP represents the most important CNR research group dedicated to plant protection in agriculture and forestry and it also acknowledged as one of the most renowned in Europe.

MISSION:

IPSP studies plant response to biotic and abiotic stress factors, with the aim of identifying mechanisms of resistance and adaptation, to promote plant health in agriculture and forestry. This implies strengthening the use of natural enemies and beneficial microorganisms in integrated pest management, selecting and recovering valuable plant germplasm, identifying bio-molecules of agricultural or industrial interest, and ultimately promoting a sustainable and environmentally friendly growth.

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1^A WORKSHOP-Progetto Demetra, Lecce 10 Maggio 2019

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The IPSP-section of Bari in recent years has started a research in the field of studies of the Co.Di.RO in particular on its main agent the bacterium *Xylella fastidiosa*, dealing with:

INSIGHTS ON GENETICS AND GENOMICS OF XYLELLA FASTIDIOSA

DIAGNOSTIC PROTOCOLS AND EARLY DIAGNOSIS

BIOLOGY OF THE XYLELLA FASTIDIOSA: PATHOGENITY AND INTERACTIONS WITH THE PLANTS

INSECT VECTORS OF XYLELLA FASTIDIOSA

CONTROL OF THE DISEASE IN THE PLANTS

It is also one of the leading laboratories for the management of the bacterium both for the Puglia Region and for Universities or other research institutions.



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The IPSP within the project will deal with:

- ❖ Perform testing in the laboratory and in the greenhouse on the effective bactericidal activity of identified products (Agrochemicals).
- ❖ Provide other partners with inactivated plant samples for early diagnostic studies.
- ❖ Identify by microscopy studies the effective activity in planta of bactericidal products encapsulated in Nanoparticles (Nano-agrochem).

