

BiBios

*A broad of experts in Biocontrol
and Biostimulation on Seeds*

Coordination

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...	

Examples of projects

Aseeds, EPIC, LabCom ESTIM, MetaSEED, NABUCO, OPTIMA, SEEDS, Testa ...



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Expertise and projects

Seed testing, vector of agroecology

- Seed health
- Physical quality
- Longevity, conservation
- Germination

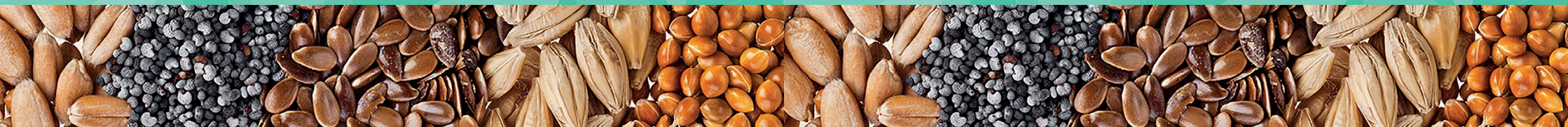
Screening of products (efficiency and incoity)

- Plant protection and/or plant stimulation
- Sustainability of product activities
- Field evaluation

Contacts

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Expertises and projects

Development and screening of biocontrol and biostimulation products on seeds

BiBioS activities

**Mechanisms
of
actions**

Screening of microorganisms and/or natural extracts



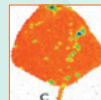
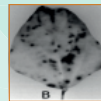
Impact on seed physiology
• Development / Longevity / Germination



Analysis of active substance

**Prototyping
Formulation
High
throughput
screening**

Description of action mechanisms
• From gene to plant



Large scale production

Homologation

Marketing
authorisation

Biocontrol or
Biostimulation
product



Photos INRA - IRHS

BiBioS expertises

Characterisation of seed microbiota
and seed transmission
(IRHS-INRA)

Conservation and abiotic stress
tolerance of seeds
(IRHS-INRA)

Natural variability and pathogen
resistance
(IRHS-INRA, GEVES)

Seed physiology
and crop establishment
(IRHS-INRA)

Seed testing
(GEVES)

Phenotyping
(PHENOTIC platform)

Biochemical analysis
of natural extracts (SONAS)

Elicitor effects
(IRHS-INRA)



GEVES : Variety and Seed Study and control Group
INRA : French National Institut of Agricultural Research
IRHS : The Research Institute on Horticulture and Seeds
SONAS : Natural Substances Research Laboratory