Elicitra – Integrated French network promoting plant protection by induced resistance through research, training and development

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Background

For a competitive and environmentally-friendly agriculture, the enhancement of plant resistance by elicitor treatments is currently one of the most promising strategies. Elicitra, the French network on elicitors, aims at understanding, developing and promoting this strategy for all crops (starting in 2011 until 2018)

Objectives and expected results

Sharing
Federate knowledge, experiences and expectations to:
- Identify key gaps to elicitor development
- Prioritize research question & built research project
- Generate more experimental results
- Partner of private R&D, regulation and administration

Research
5 main axes:
- Assessment of new elicitors
- Plant response to elicitor
- Application condition
- Elicitor in IPM and agroecology
- Unintended effects

Communication & Diffusion
Communicate to each actor of crop production (industries, farmers, researchers, students,...) through:
- Elicitra Actu: scientific & technical monitoring
- Scientific and technical communications
- Meeting on elicitors
- Training sessions
- Website
- Guide (experimental advice)

Partnership

The network partnership includes:

- **Research**: CNRS, INRA, University and high schools
- **Applied research organisations**: ARVALIS, Vegenov, Astredhor, IFV, CTIFL, ITEIPMAI, CETIOM, IFPC, ITB, RITTMO and ACTA, chambers of agriculture
- **Teaching - Universities and high school**: University of Rouen, Clermont-Ferrand, Calais, Reims ; Niort and horticultural highschool network, AgroCampusOuest, MontpellierSupAgro, La Salle Beauvais and ISA
- **Regional experimental stations**: CATE, Invenio and Planète Légumes
- **Competitive clusters**: IAR, Végépolys,...

A network dedicated to the main crop sectors:
- Main field crops including cereals, potatoes and oilseed rape
- Grapevine
- Fruits and vegetables
- Ornamental plants, medicinal and aromatic herb

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