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# BIOSTIMOLA: Biostimulants in a nutshell

A project to optimize the use of biostimulants in agriculture



**PSR** LOMBARDIA  
L'INNOVAZIONE  
METTE RADICI  
2014 2020



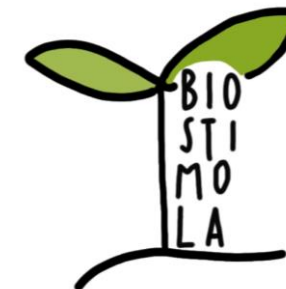
Regione  
Lombardia

Fondo Europeo Agricolo per lo Sviluppo Rurale: l'Europa investe nelle zone rurali

Initiative implemented within the framework of the BIOSTIMOLA project, co-financed by operation 1.2.01 "Demonstration projects and information actions" of the Rural Development Programme 2014 – 2020 of the Lombardy Region. Responsible for the project is the **DiSAA of the University of Milan**, implemented with the collaboration of **Agricola 2000**.



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# Information activities

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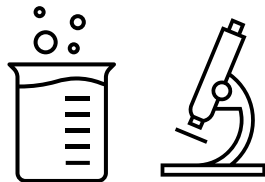
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# State of the art

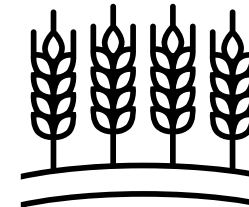
- In recent years, numerous experimental studies, conducted at different levels, from the laboratory to the field and vice versa, have made it possible to evaluate the efficacy of biostimulants, and in some cases have made it possible to define their mechanisms and modes of action.
- At the same time, numerous initiatives have followed one another with the aim of defining and regulating the sector, providing various regulatory and technical tools to support all the actors and stakeholders involved in this sector, encouraging its strong expansion.

Mode of action



Analytical determinations

Mechanism of action



Agronomic evaluations



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# Aim

The information generated, collected and disseminated as part of the project will serve as support to those who will benefit from the use of biostimulants and provide them with technical and application knowledge regarding product selection, application methods, timing, dosages and objective assessment of crop responses, treated in different growing contexts.



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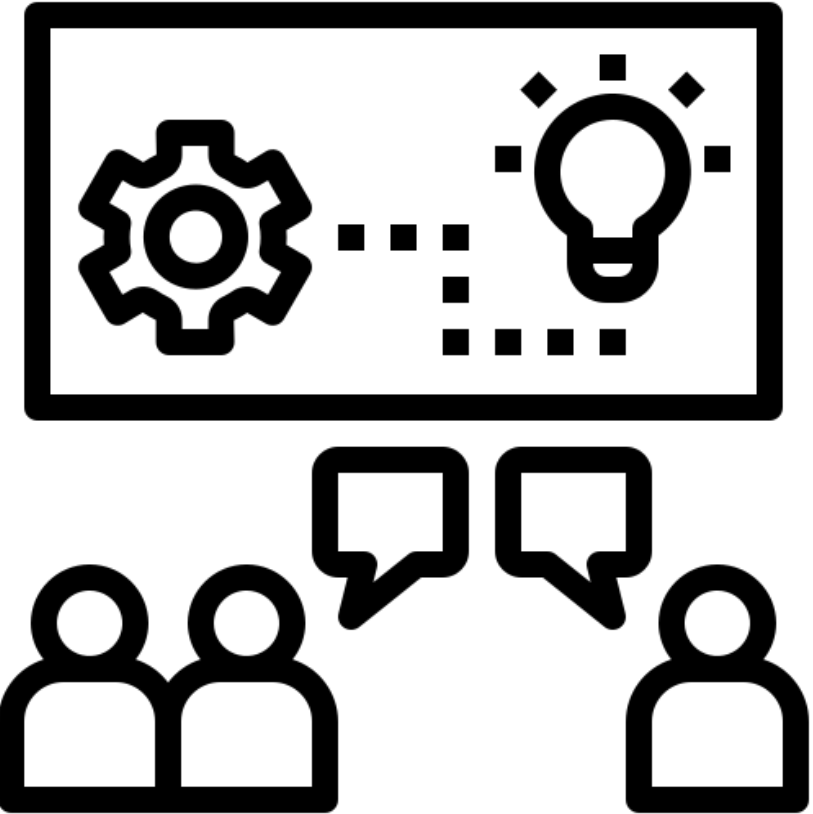
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## Actions and initiatives

- The demonstration and study days, will allow everyone to come together and discuss specific issues, being able to count on the presence and contribution of experts in the field.
- Information activities, will provide an opportunity to provide a constant update on the state of the art and advances in research in this field, serving as a point of reference for all stakeholders.



# Target audience

- **Farms**, which will be able to make use of the skills acquired during participation in one or more of the scheduled events to establish protocols for the use of biostimulants and approaches that are economically and environmentally sustainable;
- **Technicians and consultants**, who will be able to learn fundamental notions to be conveyed, at a later date, to their clients/customers in the territory;
- **Authorized dealers** of agricultural products and technical means;
- **Companies** producing biostimulant and fertilizer products;
- **Students** from the Agricultural Institutes present in the Lombardy Region and the Faculties of Agriculture in the area.



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# Target audience

Special attention will be paid in involving young farmers and women employed in agriculture.

Through:

- Press releases and posters mailing lists,
- Fb groups,
- WhatsApp or Telegram groups

Getting in touch with:

Trade associations and/or their youth sections, as well as

Associazione delle Donne Coldiretti e Donne in Campo , CIA (Confederazione Italiana Agricoltori).



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# Recruitment of young graduates

The project will enable us to activate a research grant and a scholarship, aimed at young graduates/graduates, who will be able to refine their path, as part of a project that will bring them in close contact with different production realities and the world of applied research.



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# The meetings

The activities will be organized at specially arranged spaces on the premises of the Department of Agricultural and Environmental Sciences, at the Agricola 2000 headquarters and directly in the fields where the demonstration trials will be conducted.

Each event will include:

- The presence of a guest speaker from research or industry, who will give a seminar (keynote);
- The presentation of the project and the progress of the demonstration activities;
- The preparation of dissemination materials available to participants;
- A computerized system that will allow the event to be broadcast live online so that it can be enjoyed remotely and recorded to ensure archiving and dissemination through the project platforms.



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# Tasks calendar

**Task 3.1** - Kick off meeting : Presentation of the project;

**Task 3.2** - First seminar : Legislative framework and classification;

**Task 3.3** - Second workshop : The biostimulant market and product registration process;

**Task 3.4** - Workshop: Presentation of the first demonstration activities;

**Task 3.5** - Third Workshop: Agronomic, physiological and quality aspects of products;

**Task 3.6** - Fourth Workshop: Abiotic stresses and analytical techniques in the field and laboratory.

**Task 3.7** - Workshop: Presentation of first year results and new trials;

**Task 3.8** - Workshop/Concluding Conference: presentation of all demonstration trials and concluding conference.



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