GS6 — Boosting sustainability innovation through biodiversity
Mr David Alvarez
CEO, Ecoacsa
Ms Rodrigo Fernández-Mellado

Director, Biodiversity Node
Biodiversity and Agriculture
“Connected to Life, Connected to the Future”

Laura Fernández Agustín, Bayer CropScience S.L. (Spain)
Rodrigo Fernández-Mellado, Biodiversity Node S.L. (Spain)
Biodiversity, climate change and food security are key challenges to humankind, and sustainable agriculture plays a key role to provide solutions\(^1\).
REDDUCING ENVIRONMENTAL IMPACT THROUGH BAYER INNOVATIONS

**Crop Protection Innovation**
- New active ingredients (a.i.’s) with lower environmental profile (incl. biologics).
- Improved formulations with reduced dose rate and/or a.i. concentration.
- Application technology advances (e.g. on-seed, drip) reducing amount of a.i.

**Crop Protection Stewardship**
- Reduce environmental impact (e.g. run-off, soil erosion, drift) by promoting and implementing stewardship measures.

**Seed & Trait Innovation**
- Inbred resistance / tolerance and biotech eliminating or reducing the need for CP usage.

**Digital Innovation**
- Precision application empowered by granular field data combined with volume reduction.

**Integrated Crop Management**
- Certain practices contribute to reduce the environmental impact.
BAYER INNOVATIONS IN PRACTICE

Crop Protection Stewardship

Digital Innovation

Seed & Trait Innovation

NEW VARIETIES OF SEEDS
DIGITALIZATION
PARTNERSHIPS

7 & 8 November 2019
Biodiversity Enhancement through Baydiversity

• The project promotes the implementation of Conservation Action Plans (CAPs) on agricultural farms. These CAPs involve the evaluation of natural or semi-natural areas, cataloging the species of flora and fauna found on the farm, and the subsequent drafting of practical recommendations to manage and recover those areas with clear improvements for biodiversity.

• The aim of Baydiversity is to raise awareness and promote understanding in the agricultural world of the importance of biodiversity, fostering its conservation and improvement.
BAYDIVERSITY PROJECT IMPLEMENTATION

• CAPs are implemented through the following process:

  • Phase 1. Initial assessment
  • Phase 2. Field visit
  • Phase 3. Report writing and presentation
  • Phase 4. Support during CAP implementation
CONSERVATION ACTIONS

• CROP MANAGEMENT

• GREEN INFRASTRUCTURE (HABITAT DIVERSIFICATION)

• REHABILITATION USING NATURE BASED SOLUTIONS

• TRAINING AND COMMUNICATION
• So far, and since 2012, 65 + PACs have been developed in Spain and Portugal

• Current efforts are focused on giving farmers support for implementing actions

• Internal training is provided to Bayer commercial technicians so that they can engage with an increased number of farmers
BIODIVERSITY PROTECTION MEANS…

- A SIMPLE IMPLEMENTATION PROCESS
- AN IMPORTANT DIFFERENTIATING VALUE FOR THE FARMER
- ACCESS TO NEW CLIENTS / MARKETS / CERTIFICATIONS
- VALUABLE HELP TO MEET HIGHEST MARKET REQUIREMENTS
- COST SAVINGS AND RISK MITIGATION IN THE FARM
- THE FIRST STEP OF A SERIES OF ACTIONS TO BE IMPLEMENTED IN THE FARM
THANKS FOR YOUR ATTENTION
Plenary 4 - Connecting the dots for Business and Nature
Rapporteurs from each session & Mr Peter White

Ambassador, COP-15/Biodiversity, WBCSD
What are your thoughts?

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Thank you!
Muchas gracias!
European Business & Nature Summit

Building actions for nature & people

18:00 – 19:00: Networking cocktail

#EUbiodiversity
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Madrid, 7 & 8 November 2019