

## Annex I

Action number: CA21134

Grantee name: Renata Bažok

### COST webinars as a dissemination tool to enhance the exchange of research ideas among researchers

#### LIST OF THE COST WEBINARS

|   | Date                            | Author/s                            | Presentation number | Topic                                                                                                                              | Topic No | WG |
|---|---------------------------------|-------------------------------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------|----------|----|
| 1 | September 13 <sup>th</sup> 2023 | Renata Bažok                        | 1                   | Area –wide pest control in field crops as a method to reduce pest pressure                                                         | 1        | 3  |
|   |                                 | Ivana Pajač Živković, Dana Ćirjak   | 2                   | The use of automatic pest monitoring systems in sustainable pest management in apple production under changing climatic conditions | 1        | 3  |
| 2 | September 27 <sup>th</sup> 2023 | Merve Wollweber                     | 3                   | Laser treatment for weed management and for control of herbivorous insects                                                         | 3        | 3  |
| 3 | October 11 <sup>th</sup> 2023   | Darija Lemić, Helena Virić Gašparić | 4                   | Potential use of ozone technology in pest management                                                                               | 6        | 3  |
|   |                                 | Mafalda Pinto                       | 5                   | Eucalyptus-based lipid nanoparticles as a green biocide against weeds and phytopathogens                                           | 6        | 3  |
| 4 | October 25 <sup>th</sup> 2023   | Gabriele Mack                       | 6                   | Modelling policies towards pesticide-free agricultural production systems                                                          | 4        | 2  |
|   |                                 | Ariola Harizi                       | 7                   | "Promoting Sustainable Agriculture through Community Engagement and Effective Communication"                                       | 4        | 5  |
| 5 | November 8 <sup>th</sup> 2023   | Sofia Almeida Pereira               | 8                   | Biofertilizers and cropping systems for a sustainable and resilient agriculture.                                                   | 4        | 4  |
|   |                                 | Christian Andreasen                 | 9                   | Using laser beams to control weeds                                                                                                 | 3        | 2  |
| 6 | November 29 <sup>th</sup> 2023  | Christoph Redwitz                   | 10                  | Single-plant modelling – Towards a new weed management strategy                                                                    | 3        | 2  |
|   |                                 | Violeta Bozhanova                   | 11                  | The potential of cold plasma as green alternative to reduce the use of pesticides and fertilizers                                  | 6        | 3  |

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|----|--------------------------------|------------------------------------------------------------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|
| 7  | December 6 <sup>th</sup> 2023  | Gerard Podedworny                                                            | 12 | Living mulches to promote biodiversity, soil fertility and weed management in orchards.                                                                                                      | 3 | 4 |
| 8  | December 20 <sup>th</sup> 2023 | Giovanni Dinelli                                                             | 13 | Natural products for sustainable weed control                                                                                                                                                | 3 | 3 |
|    |                                | Zahra Bitarafan                                                              | 14 | Steaming as a non-chemical soil disinfestation method against weeds                                                                                                                          | 3 | 3 |
| 9  | January 17 <sup>th</sup> 2024  | Lior Blank                                                                   | 15 | Spatial-temporal analysis of weed distribution within fields: promoting precise management strategies                                                                                        | 3 | 3 |
| 10 | January 31 <sup>st</sup> 2024  | Eligio Malusà                                                                | 16 | Improved methods of mass trapping of fruit flies and other pests                                                                                                                             | 1 | 3 |
|    |                                | Cornel Adler, Christina Müller-Blenkle, Benjamin Fürstenau, Camilla Albrecht | 17 | Monitoring distribution changes of stored product insects in the field due to climate change - and zero pesticide control by hermetic storage                                                | 1 | 2 |
| 11 | February 14 <sup>th</sup> 2024 | Javier Arizmendi                                                             | 18 | Use of basic substances. Uptake and adoption throughout Europe. Possibilities to increase their uses and authorizations.                                                                     | 6 | 4 |
|    |                                | Pasquale Trematerra                                                          | 19 | Epiphyas postvittana (Walker), <i>Platynota stultana</i> Walsingham and <i>Thaumatotibia leucotreta</i> (Meyrick) three invasive tortricid pests recently intercepted in Italy (Lepidoptera) | 1 | 4 |
| 12 | February 28 <sup>th</sup> 2024 | Sara Bosi                                                                    | 20 | IPM for weed control: the threshold concept                                                                                                                                                  | 3 | 4 |
|    |                                | Hatice OZAKTAN                                                               | 21 | Development of biopesticide and biostimulant formulations for good agricultural practices in greenhouse cucumber cultivation                                                                 | 6 | 3 |
| 13 | March 13 <sup>th</sup> 2024    | Murad Ghanim                                                                 | 22 | Multi-year resistance monitoring among sap sucking pests for reducing insecticide use.                                                                                                       | 1 | 3 |
|    |                                | Angela Feechan                                                               | 23 | “Fungal endophyte antifungals for Ramularia leaf spot control in barley”                                                                                                                     | 2 | 3 |
| 14 | March 27 <sup>th</sup> 2024    | Huseyin Bekir YILDIZ                                                         | 24 | Biological Photovoltaic Solar Cell Based Pesticide Sensors                                                                                                                                   | 6 | 3 |
| 15 | April 10 <sup>th</sup> 2024    | Tijana Milićević                                                             | 25 | Bioaccessibility of contaminants and human health risk assessment – imperatives for mitigating the pollution in agricultural areas;                                                          | 6 | 1 |

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|----|-----------------------------|--------------------------------------|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|
|    |                             | Ingrid-Claß-Mahler, Beate Zimmermann | 26 | Presentation of the project NOcsPS - Agiculture 4.0 without chemical-synthetic plant protection                                                                                 | 4 | 4 |
| 16 | April 24 <sup>th</sup> 2024 | Aleksandra Savic, Göran Bergkvist    | 27 | Effects, constraints and the future of non-chemical management of <i>Ambrosia</i> spp. New solutions to old problems?                                                           | 3 | 4 |
|    |                             | Najwa Belfradj, Anna Maria Vettraino | 28 | Phytophthora species in Tunisian citrus farms                                                                                                                                   | 2 | 3 |
| 17 | May 8 <sup>th</sup> 2024    | Christos Athanassiou                 | 29 | "Utilization of pheromones for monitoring and control of Lepidoptera expanding in European forests"                                                                             | 1 | 3 |
|    |                             | Sonja Gvozdenac                      | 30 | "Biological control options in stored product pest management with special emphasis on breeding for pest tolerance"                                                             | 5 | 3 |
| 18 | May 29 <sup>th</sup> 2024   | Roger Holten                         | 31 | Sustainable use of pesticides in a changing climate                                                                                                                             | 6 | 2 |
|    |                             | Iulia-Sorina Dan                     | 32 | Gaps and needs for pesticides reduction. Evidence in a multi actor value chain assessment                                                                                       | 4 | 1 |
| 19 | June 5 <sup>th</sup> 2024   | Federico Leoni                       | 33 | Unravelling the success of weed control by relay intercropping with legumes in low-input cereal-based Mediterranean cropping systems                                            | 3 | 4 |
|    |                             | Sylvaine Simon                       | 34 | Co-design et eco-design towards 'Zero pesticide': case study of a pest suppressive biodiversity-based orchard (South-East France).                                              | 4 | 4 |
| 21 | June 19 <sup>th</sup> 2024  | Mireille Navarrete                   | 35 | Co-designing coupled innovations from farms to supply chains in order to unlock the sociotechnical lock-in hindering crop diversification in vegetable farms in South of France | 4 | 2 |
|    |                             | Ola Lundin                           | 36 | What is the potential of using service crops for crop protection?                                                                                                               | 4 | 4 |
| 22 | July 3 <sup>rd</sup> 2024   | Eyal Ben-Simchon                     | 37 | Natural enemies enhancement by service (cover) crops in orchards                                                                                                                | 4 | 3 |
|    |                             | Čerima Zahirović Senanović           | 38 | IPM methods deployed in soilless cultivation: Review and Case study.                                                                                                            | 4 | 4 |

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|----|------------------------------------|----------------------------------------------|----|----------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|
| 23 | July 17 <sup>th</sup><br>2024      | Riho Marja                                   | 39 | Agri-environment schemes' effects on arthropods across European farmlands - results from three meta-analyses                                             | 4 | 1 |
| 24 | September<br>18 <sup>th</sup> 2024 | Darina Štyriaková                            | 40 | New bioleaching recipe based on bacteriocins and organic acids securing the immunity to wide spectrum of diseases                                        | 2 | 3 |
|    |                                    | İlbilge Oğuz, Nesibe Ebru Kafkas, Esra Gölcü | 41 | Detection of pesticides on strawberries                                                                                                                  | 6 | 3 |
| 25 | October<br>2nd 2024                | Christos G. Athanassiou                      | 42 | "Progress towards utilizing yeallow mealworm as food, feed and beyond"                                                                                   | 4 | 2 |
| 26 | October<br>16 <sup>th</sup> 2024   | Studer Angela                                | 43 | Conservation pest control in sugar beets                                                                                                                 | 4 | 4 |
|    |                                    | Maria Tsiadouli                              | 44 | Tools for farmers for applying sustainable farming practices                                                                                             | 4 | 4 |
| 27 | October<br>30 <sup>th</sup> 2024   | Bojana Petrović                              | 45 | Effect of hydrolysate as soil additives on soil properties                                                                                               | 4 | 3 |
|    |                                    | Vahidehalsadat Rafieebanadaki                | 46 | Functional genomics of cereals and the opportunity to accelerate the development of resistant cereal varieties and reduce the use of chemical treatments | 5 | 3 |
| 28 | November<br>13 <sup>th</sup> 2024  | László Mezőfi                                | 47 | Perennial cover crop mixtures for the sustainable grape production: its effect on the beneficial arthropods, pests and pathogens                         | 4 | 4 |
| 29 | November<br>27 <sup>th</sup> 2024  | Torsten Meiners                              | 48 | Tailoring chemical diversity in plant-insect interactions as a tool for biological control                                                               | 5 | 3 |
|    |                                    | Adam Schikora and Matthias Cambeis           | 49 | Genetic differences in barley govern the responsiveness to N-acyl homoserine lactone                                                                     | 5 | 3 |
| 30 | December<br>11 <sup>th</sup> 2024  | Andrea Alcántara Enguádanos                  | 50 | Reducing pesticides use by improving self-defense through metabolic reprogramming: the story of serine and glucosinolates                                | 5 | 3 |
|    |                                    | Ines Costa Pereira, Charlotta Erreo          | 51 | Setting the scene for farmers agroecological transition                                                                                                  | 4 | 1 |
| 31 | January<br>15 <sup>th</sup> 2025   | Atle Wibe                                    | 52 | Testing combined measures to control the strawberry blossom weevil Anthonomus rubi                                                                       | 1 | 4 |

|    |                                               |                      |    |                                                                                                                                                 |   |   |
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| 32 | January 29 <sup>th</sup> 2025                 | Manika Rödiger       | 53 | How does pesticide reduction affect labour time and profitability? A crop production case study                                                 | 4 | 2 |
|    |                                               | Maria Boukouvala     | 54 | Sublethal effects of carlina oxide on mating traits and related behavioral asymmetries in <i>Tenebrio molitor</i> and <i>Sitophilus zeamais</i> | 6 | 3 |
|    | February 12 <sup>th</sup> 2025<br>14:00-15:00 | Marco Dainelli       | 55 | Characterizing the enzymes controlling cinnamic acids with a potential role against seed pathogens                                              | 2 | 3 |
|    |                                               | Salme Timmusk        | 56 | Plant microbiomes for future sustainable agro-ecosystems                                                                                        | 5 | 3 |
| 34 | February 26 <sup>th</sup> 2025                | Massimiliano Corso   | 57 | Uncovering the role of specialized metabolites in seed responses to stresses and adaptation to abiotic and biotic environments.                 | 5 | 3 |
|    |                                               | Begonya Renau-Morata | 58 | Circular economy in agriculture as a source of alternatives to fertilisers and pesticides                                                       | 4 | 3 |
| 35 | March 12 <sup>th</sup> 2025                   | Mafalda Pinto        | 59 | Eucalyptus-based products as sustainable tools for weed and crop-related disease management                                                     | 6 | 3 |
|    |                                               | Ivana Mitrović       | 60 | Development of biotechnological production of biofungicides - from laboratory to the field                                                      | 2 | 3 |
| 36 | March 26 <sup>th</sup> 2025                   | Sandra Skendžić      | 61 | Climate Impacts on Pests in Agriculture                                                                                                         | 1 | 2 |
|    |                                               | Meriem Bouri         | 62 | Climate-Smart Microbes-based solutions in Agriculture                                                                                           | 5 | 4 |
| 37 | 15.10.2025.                                   | Refik Bozbuğa        | 63 | "Epidemiology and management of plant parasitic nematodes"                                                                                      | 4 | 4 |
|    |                                               | Melissa Venturi      | 64 | APPLE-ECO-LOGICAL: crafting rational and sustainable solutions for pest control in apple agroecosystems                                         | 4 | 4 |
| 38 | 29.10.2025.                                   | Chiara Antonelli     | 65 | Essential Oil Nanoparticles for Eco-Friendly Plant Disease Management                                                                           | 6 | 4 |
|    |                                               | Musa Surucu          | 66 | Monitoring Pollinators and Pest Populations in Chickpea Varieties and Cropping Systems During the Flowering Period                              | 4 | 2 |
| 39 | 12.11.2025.                                   | Vincent Caruana      | 67 | Ecoregions and sustainability competencies                                                                                                      | 4 | 2 |

|    |             |                                   |    |                                                                                                                                          |   |   |
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|    |             | Ayrton Andre Rosado Huaynasi      | 68 | "The role of biopesticides towards sustainable agriculture: Policy and legal developments in the European Union".                        | 6 | 2 |
| 40 | 26.11.2025. | Janina Heinen                     | 69 | EU toolbox of best IPM practices with harmonised taxonomy                                                                                | 4 | 1 |
|    |             | Ana Butcaru                       | 70 | Identification and availability of EU and national projects' results on IPM practices and systems                                        | 4 | 1 |
|    |             | Mieke Katharina Jürgens           | 71 | IPM works in complex systems – and those systems react slowly – and not always as expected                                               | 4 | 1 |
| 41 | 10.12.2025. | Tamara Popović,                   | 72 | Exploring local biodiversity of natural enemies for sustainable pesticide-free pest management                                           | 4 | 4 |
|    |             | Cecilia Panzetti                  | 73 | "Rapid detection of bunt – development of a soil and seed health test for wheat"                                                         | 4 | 3 |
| 42 | 14.01.2026. | Maria João de Araújo Martins      | 74 | "Melatonin seed priming to improve plant tolerance to copper- and glyphosate-contaminated soils"                                         | 5 | 3 |
| 43 | 28.01.2026. | Aleksandra Savic, Göran Bergkvist | 75 | "What burial depth and temperature reveal about weed management strategies in ragweed species"                                           | 3 | 3 |
|    |             | Ella Hinderer                     | 76 | Identification of suitable areas for pesticide-free cultivation systems in Baden-Württemberg from an economic and ecological perspective | 4 | 2 |
| 44 | 11.02.2026. | Dana Čirjak                       | 77 | Evaluating the Efficiency of Practices to Reduce Pesticide Use and Risk                                                                  | 4 | 1 |
|    |             | Maud Blanck                       | 78 | Recommendations for updating IPM guidelines and combining them with CAP support and SUD National Action Plan                             | 4 | 2 |
| 45 | 25.02.2026. | Suela Spahiu                      | 78 | Effective microorganism technology in tobacco production and system soil fertility control                                               | 5 | 3 |
|    |             | Antoniye Žunić                    | 80 | Precision Agriculture: On-site evaluation of insecticide induced stress in Mandarin (Citrus reticulata)                                  | 4 | 4 |

|    |             |                    |    |                                                                                                                                                                                           |   |   |
|----|-------------|--------------------|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|
| 46 | 11.03.2026. | Francesco Spinelli | 81 | Quantification of the actual deployment of practices and systems and the potential acreage of implementation                                                                              | 4 | 2 |
|    |             | Ewen Mullins       | 82 | Define criteria to support the delivery of a framework for Member States to develop crop-specific guidelines                                                                              | 4 | 2 |
| 47 | 25.03.2026. | Adel Hatem         | 83 | Studies on the possibility of using the aphid lion in an integrated control system for the invasive fall armyworm to reduce the use of traditional pesticides and achieve zero pesticides | 6 | 3 |
|    |             | Musa Surucu        | 84 | Monitoring Pollinators and Pest Populations in Chickpea Varieties and Cropping Systems During the Flowering Period                                                                        | 4 | 4 |

\* Topics marked with green color are presented as results of Short Term Scientific Mobilities (STSM)