



PESTNU

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WORKSHOP RESULTS

2022 -2023

2022 Workshops (1/2) _____

01 22-04-2022 | Beja, Alentejo, Portugal

Digitalization and Agro-ecologic Practices for promoting plants and soil health - the contribution of PestNu technologies for agriculture transition towards sustainability

02 23-06-2022 | Lorquí, Murcia, Spain

Sustainable agriculture based on technologies of Precision and agroecological practices. - Innovations of the PestNu project –

03 07-07-2022 | Thessaloniki, Greece

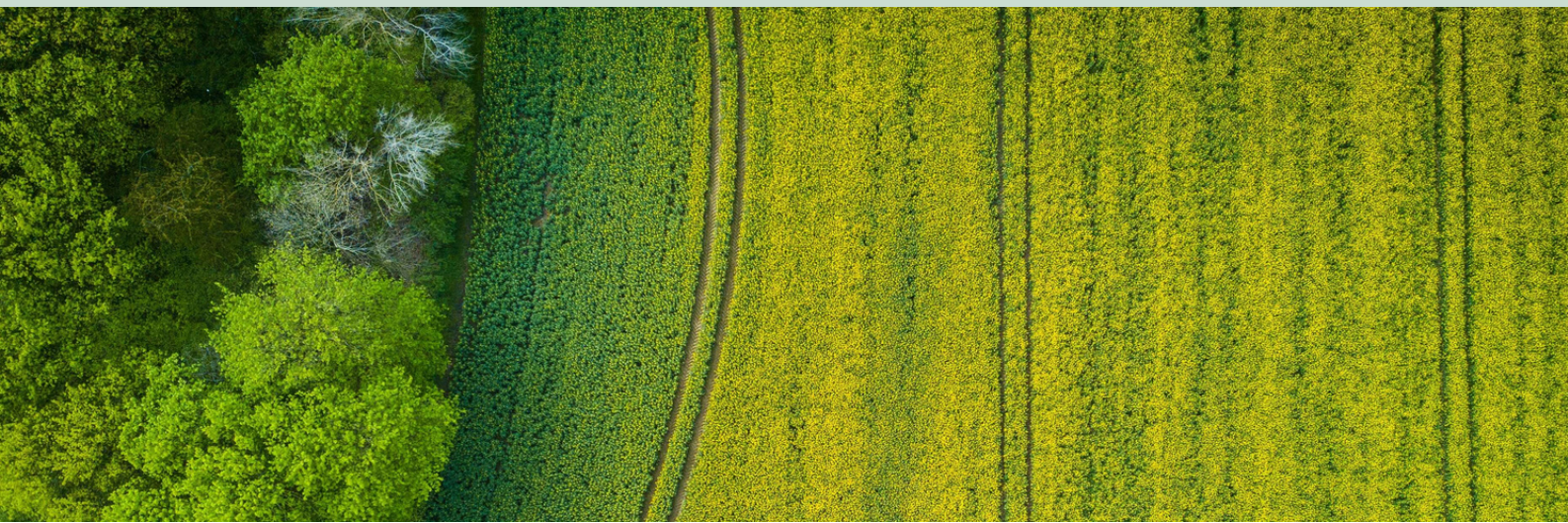
1st Workshop on Clustering Activities of PestNu's sister projects

04 23-09-2022 London, UK

Ethics and Innovation in New Agriculture

05 26-09-2022 Skara, Sweden

Precision tools for horticulture



2022-2023 Workshops (2/2) ---

06 25-10-2022 | Vienna, Austria

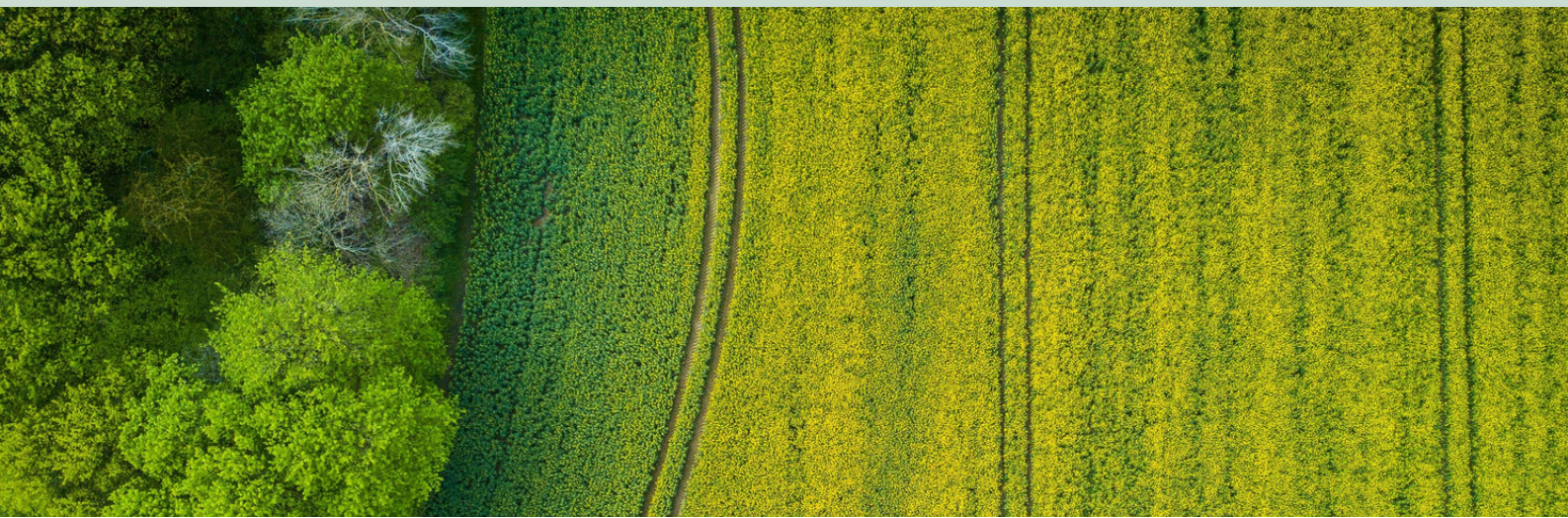
Pesticides? No thanks! With digital technologies and agroecology into the agriculture of the future - the innovations of the EU project PestNu

07 14-12-2022 | Nicosia, Cyprus

Sustainable agriculture in Cyprus: Towards the application of the Green Deal

08 31-01-2023 | Athens, Greece

Farm to Fork Strategy: New technologies and Agro-ecological practices to achieve its targets!



Agendas



Workshops Agendas 2022

On the following slides, all the workshop agendas are uploaded.
Moreover on the following links, the agendas are attached.

- [Workshop Portugal](#)
- [Workshop Spain](#)
- [Workshop Greece](#)
- [Workshop UK](#)
- [Workshop Sweden](#)

- [Workshop Austria](#)
- [Workshop Cyprus](#)
- [Workshop Greece](#)
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Agenda Portugal



Digitalization and Agro-ecological practices for the promotion of soil and plants health - the contribute of PestNu Project technologies for the transition to sustainability in agriculture

9h00 - Registration and networking

10h00 - Opening Session

10h20 - The PestNu Project - goals and objectives

10h35 - The technical and regulatory framework for innovations towards the promotion of plants and soil's health

10h55 - Financing opportunities for digitalisation for sustainable agriculture and the DIH

11h15 - Coffee break

11h30 - Round table - Everybody counts

speaker one: farmers difficulties & needs

speaker two: agri-food industry and retail role on food systems transition

speaker three: efforts addressing consumers degree of awareness & perception

12h30 - Lunch break

15h00 - The potential of DST

Agroinsider: the importance of Earth Observation tools and variables: the AGRORADAR

Experience of using space-based technologies

Earth Observation - opportunities to agriculture

16h00 - Inovation in AOP in PestNu project (Fertinagro)

16h20 - wrap up and closure

Rita Barros Silva, APEMETA

José Rafael Marques da Silva, AgroInsider

16h45 - Coffee break

This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement no. 101037128.



apemeta
ASSOCIAÇÃO PORTUGUESA DE EMPRESAS
DE TECNOLOGIAS AMBIENTAIS

AGROINSIDER
Field, Innovation & Science

Agenda Spain



I Workshop PESTNU Project Murcia



Location TCH Hotel (Lorquí)
 Date June 23, 2022
 Time 9:00 – 16:00

SUSTAINABLE AGRICULTURE BASED ON TECHNOLOGIES OF PRECISION AND AGROECOLOGICAL PRACTICES. - INNOVATIONS OF THE PESTNU PROJECT -

Agenda

09:00 Welcome and registration in the conference room Hotel TCH de Lorquí

09:30 Departure by bus to the Tilamur facilities

09:45 Arrival at the Tilamur facilities

- Presentation of the PestNu project . (Herminia de la Varga)
- Guided tour of the aquaponics and microalgae production plant (Mariano Vidal, Coordinator of Tilamur)

11:15 End of the visit and return to the Hotel

11:30 Coffee break

12:00 Opening session

- Precision agriculture in the Region of Murcia (Maria Remedios Garcia Poveda). General Director of Agriculture, Food Industry and Agricultural Cooperatives

12:15 Opportunities and challenges to bring innovation to producers

- CDTA (Pedro Mínguez)
- FECOAM Experiences and Perspectives (Pedro Sánchez)

12:45 Trends in the development of new solutions

- Fertinagro (Herminia de la Varga)
- Neoalgae (Mario Blanco)



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I Workshop PESTNU Project Murcia



Location TCH Hotel (Lorquí)
 Date June 23, 2022
 Time 9:00 – 16:00

13:30 Lunch

15:00 Round table :

Are the conditions set to shift food systems towards sustainability?
Moderator: Mariano Vidal , Tilamur.

- Regulations and rules for organic farming. Francisco Zapater (Head of Plant Health Service of the Region of Murcia)
- Consumer demands for organic food. Isabel Muñoz (El verdecillo consumer group).
- Benefits of aquaponics. Emilio María Dolores (Head of the Murcia Region Fishing and Aquaculture Service)
- Potential market for Biopesticides and Biostimulants. Andres Mondéjar. Managing partner of Agrochemicals Mondéjar S.L.

16:00 Feedback and closing

Spanish project partners:



Participants:





Participation in this workshop is free, prior online registration through this link: <https://forms.gle/6F8fe2XHWcQL3C9>. Participants must wait for confirmation of registration (an email from Tilamur). The number of participants accepted may be conditioned by the conditions of the space and the need to comply with hygiene and safety regulations. This event will take place at the TCH hotel in Lorquí and at the Tilamur facilities and is part of the PestNu Project, an H2020 project that aims to test and demonstrate digital and spatial technologies in the open field and under a greenhouse with Agroecological and Organic practices in systemic innovation.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement no. 101037128.

Agenda Greece

1 S T WORKSHOP ON CLUSTERING ACTIVITIES OF PESTNU'S SISTER PROJECTS		THURSDAY 7 JULY 2022
Agenda		
Time (EEST)	Presentation	Speaker (s)
9:00 - 9:15	Welcome of Participants Green Deal objectives on Pesticides and Fertilizers Dr. Eleftheria Maria Pechlivan, CERTH PestNu - H2020 (2021-2024)	
9:15 - 9:25	For a world without toxins - 40 years of dedicated work towards a healthy environment Katharina Heide, Global2000	Anna Zamernik, Global2000
9:25 - 9:35	Organic food quality, trends and consumers' behavior Dr. Augustina Gkaltapoulou, Mousotis S.A.	
9:35 - 9:45	Agapi Katsouleri, SPEL Demands, Challenges and Sustainability Goals for the Fertilizer Industry Dr. Gerasimos Poulas, SPEL	
9:45 - 9:55	Actions of Benaki Phytopathological Institute in the frame of the European Green Deal Dr. Emilia Markellou, BPI	
9:55 - 10:05	The European Strategy Farm to Fork and the challenges for the Greek Food Industry Dr. Fotini Salta, SEVT	
10:05 - 10:15	Dr. Dimitrios Giakoumis, CERTH PAK, 50th Anniversary (1970-2023)	
10:15 - 10:25	Green Sprayer - H2020 (2019-2024) Oenolytics - GR EPAnEK (2021-2023)	
10:25 - 10:40	TERMINET - H2020 (2020-2023) SMARTROOT - Erasmus KA2 (2020-2023) MARS - GR NSRF (2018-2021) DIAS - GR NSRF (2018-2021) SMART - GR NSRF (2020-2023)	Prof. Sarigiannidis, UOWM
10:40 -	AURORAL - H2020 (2021-2024)	Paua Pedro Garcia, Alentejo
10:50 - 10:50	SCORPION - H2020 (2021-2023)	Dr. Filipe Neves dos Santos, INESC TEC
-	11:00 Coffee Break	
11:00 - 11:30	agROBOfood - H2020 (2019-2023)	Dimitra Perperidou, DRAXIS
11:30 -	AgroSatAdapt - La Caixa (2018-2022)	Dr. Patricia Lourenco, AgroInsider Dr. Diego Alagador, UEVORA
11:40 -	Landmare - H2020 (2020-2024)	Dr. Jenny Lieu, IU Delft
11:50 - 11:50	AGRICORE - H2020 (2019-2024)	Prof. Konstantinos Mallas, AU DH
-	12:00 VIRTIGATION - H2020 (2021-2023) Cash - GR NSRF Green - Germany bilateral project (2018-2021)	Prof. Hervé Vanierchaere, KULEUVEN Dr. Kumar Vasudevan, KULEUVEN
12:00 - 12:10	FoodOASIS - GR NSRF (2018-2021) Algae4Fuel&Aqua - GR NSRF (2018-2021) Organic PLUS - H2020 (2018-2022) PRECIMED - PRIMA (2019-2023)	Prof. Nikolaos Katsoulas, UTH
12:35 -	AGREMISOIL - LIFE (2018-2022)	Dr. Maria Fernanda Ortado Gallud, CSIC
12:45 - 12:45	WASTE4GREEN - LIFE3 (2018-2022)	Dr. Fulgencio Contreras, CARM
- 12:55		Dr. Azucena González Coloma, ICA, CSIS
12:55 -	 This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement no. 101037128	

1 S T WORKSHOP ON CLUSTERING ACTIVITIES OF PESTNU'S SISTER PROJECTS		THURSDAY 7 JULY 2022
Agenda		
Time (EEST)	Presentation	Speaker (s)
13:05 -	NOVATERRA - H2020 (2020-	Dr. Felicidad de Herralde,
13:15 - 13:15	2024) Agro2Circular - H2020	IRTA Àngel Martínez, CTNC
- 13:25	2020-2024)	
13:25 - 14:15	Lunch Break	
14:15 - 15:45	Round Tables (RT) on strategies to reduce pesticides & fertilisers use and loss of nutrients	
	RT1: Agriculture 4.0 (regarding the reduction of pesticides/fertilisers) Farming PestNu, BACCHUS, AURORAL, GreenSprayer, Oenolytics, TERMINET, SMARTROOT, MARS, DIAS, SMART, Landmare, AgroSatAdapt, AGRICORE, SCORPION, agROBOfood, PRECIMED	RT2: Pesticides free agriculture & Organic PestNu, Organic PLUS, Cash, FoodOASIS, NeoGiant, Algae4Fuel&Aqua, VIRTIGATION, AGREMISOIL, NOVATERRA, SPEL, BPI
		RT3: Food Wastes Agro2Circular, WASTE4GREEN, Green Deal Projects: PestNu, EcoFISHent, ZeroW, SISTERS, ChicNarnas, NeoGiant
15:45 -	Action plan creation based on clustering	
16:30 - 16:30	activities Conclusions - Sum Up	
- 16:45	Guided tour of CERTH facilities	
16:45 - 17:30	End of event	
17:30		
	 This project has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement no. 101037128.	

Agenda UK



Ethics and Innovation in New Agriculture

September 23, 2022 10AM – 4PM

One Knightsbridge Green, 5th Floor, London SW1X 7QA

Virtual meeting link: <https://meet.goto.com/898159733>

For more information about speakers and the roundtable, visit the [Workshop Webpage](#)

TIME	PRESENTATION	SPEAKER
10.00 - 10:15	Welcome and Introduction to PestNu project	Matthew Hall, Trilateral Research
10:15 – 10:45	Technology Adoption: An Inside Look from AgrolInsider	José Rafael Marques da Silva, AgrolInsider
10:45 – 11:15	The ethics of AI and robotics in agriculture	Matthew Hall, Trilateral Research
11.15 – 11:45	Priority Research Questions for Digital Agriculture	Professor Julie Ingram, Countryside and Community Research Institute

11:45 pm – 12:15pm – Lunch

TIME	PRESENTATION	SPEAKER
12:15 – 12:45	Standards in Smart farming: AI, Blockchain, DLT (distributed ledger technologies) Information security, cybersecurity	Irma Poder, Trilateral Research
12:45 – 13:15	LEAF and Integrated Farm Management	Callum Bennet, LEAF (Linking Environment and Farming)
13:15 – 13:45	Targeted silencing of pathogen CAzyme genes as a biological control strategy	Professor Katherine Denby, University of York

13:45 – 14:00: Coffee Break

14:00 – 15:30	Expert Roundtable hosted by Innovation for Agriculture and Trilateral Research
All participants	<i>Moderated by Matthew Hall, Senior Research Analyst, Trilateral Research and Evi Arachoviti, Head of Social and Policy, Innovation for Agriculture. This roundtable and earlier discussion will be used to develop a series of policy briefs presented to the project. Discussion questions are listed on the following page.</i>

15:30 – 16:00 Conclusion and Wrap Up

Please see the following pages for questions and information about the roundtable discussion.

The Near Future: A Roundtable Discussion



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Agenda Sweden

Program

09.00 Välkommen

Registrering och kaffe.

09.45 PestNu

Information om projektet avseende mål och bakgrund.

10.00 Några av de nya teknikerna som utvecklas inom projektet

Agroinsider, Portugal - satellitbaserad tjänst där bland annat vattenstress kan detekteras.

Tellab, Irland - en produkt för att mäta näringsämnen i vatten i realtid.

RISE, Sverige - metod för att detektera bakterier och alger i vatten.

Agrorobotica, Italien - robotfälla för insekter som styrs via AI.

SLU, Sverige - Omran Alshihabi, berättar om ett projekt utanför PestNu där vattenstress detekteras med hjälp av drönare och satellitdata.

11.45 PestNu framåt

Kort genomgång av övriga aktiviteter i projektet och arbetet framåt.

12.00 Lunch med mingel

13.00 Workshop

Deltagarna delas in i grupper där olika frågeställningar diskuteras.

14.30 Sammanfattning av workshopen

14.50 Kaffe

15.30 Avslut



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VÄSTRA
GÖTALANDSREGIONEN
REGIONUTVECKLINGSNÄMNDEN



Region Halland

Agenda Austria



Datum: 25. Oktober 2022
 Uhrzeit: 9:30 - 15:30
 Ort: Depot, Breite
 Gasse 3, 1070 Wien



Pestizide? Nein danke! Mit digitalen Technologien und Agrarökologie in die Landwirtschaft der Zukunft - die Innovationen des EU Projektes PestNu

Vorläufige Tagesordnung:

9:30	Eintreffen, Registrierung & Welcome Coffee
9:45	Kurze Begrüßung
9:55	Vorstellung des PestNu EU Projekts - <i>Hanna Zamernik & Katharina Hoisl</i> , Global 2000
10:15	Einführender Vortrag: "Digitalisierung in der Landwirtschaft: Eine kleinbäuerliche Perspektive" <i>Franziskus Forster</i> , La Via Campesina
10:35	Online-Vorträge von PestNu Partnerorganisationen: <ul style="list-style-type: none"> • "Robots in agriculture: best cases so far and challenges ahead" - <i>Nikos Frangakis</i>, IKH • "Innovation in agro-ecological practices in the framework of PestNu project" - <i>Dr. Herminia de la Varga Pastor</i>, Fertinagro Biotech • "The importance of Earth observation tools: the AgroRadar" - <i>Dr. Patricia Lourenco</i>, AgroInsider
11:40	Mittagessen
12:40	Vortrag: "Der Einsatz digitaler und neuer Technologien in der pflanzlichen Produktion" <i>Dr. Markus Gansberger</i> , Innovation Farm

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13:00	Vortrag: "Die erste kommerzielle Aquaponik Anlage in Österreich" <i>Gregor Hoffmann</i> , Blün
13:20	Kaffeepause
13:45	Podiumsdiskussion zu Digitalisierung in der Landwirtschaft im Bereich Pestizid- und Düngemittelsparung <ul style="list-style-type: none"> • Dipl.-Ing.in Désirée Ehlers (BMK) • Franziskus Forster (La Via Campesina) • Ing. Lorenz Mayr (LK Niederösterreich) • Dipl.-BioL. Andreas Bartel (Umweltbundesamt) • Tina Wirnsberger (FIAN) Moderation: Dagmar Gordon (Leitung Team Biodiversität, Landwirtschaft, Ernährung und Chemie, Global 2000)
15:15	Zusammenfassung der Ergebnisse und Verabschiedung
15:30	Ende der Veranstaltung

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Agenda Cyprus



 Location Κέντρο Παραγωγικότητας Κύπρου
 Date 14 Δεκεμβρίου, 2022
 Time 10:00 π.μ.

PestNu Workshop Agenda

Η βιώσιμη καλλιέργεια στην Κύπρο: Στον δρόμο προς την εφαρμογή της Πράσινης Συμφωνίας (Green Deal)

10:00 – 10:30	Εγγραφές, Καφές και Δικτύωση
10:30 – 10:35	Χαιρετισμός από τον Πρόεδρο του Κέντρου Παραγωγικότητας Κύπρου (Δρ. Άκης Νικολαΐδης)
10:35 – 10:40	Χαιρετισμός από τον εκπρόσωπο του Υπουργείου Γεωργίας (Γ. Νικολάου)
10:40 – 11:00	Χαιρετισμός και Παρουσίαση έργου από τη συντονίστρια του Green Deal έργου PestNu (Δρ. Ε.Μ Πεχλιβανη, Ερευνητρια Γ', ΕΚΕΤΑ-ΙΠΤΗΛ)
11:00 – 11:20	Συστήματα υποστήριξης λήψης αποφάσεων στην γεωργία (Ι. Χατζηγεωργίου SIDROCO HOLDINGS LTD)
11:20 – 11:30	Τα ρομπότ στην Γεωργία (Ν. Φραγκάκης, iKnowHow SA)
11:30 – 11:40	Η σημασία των εργαλείων παρακολούθησης της Γης στην γεωργία (Dr. Patricia Lourenco, Agroinsider LDA)
11:40 – 11:50	Έξυπνες ρομποτικές παγίδες για έντομα (Valerio Goglia, Agrobotica SRL)
11:50 – 12:10	Διάλειμμα για καφέ
12:10 – 12:30	Οι εξελίξεις στην μικροβιολογία εδάφους. (Δρ. Δ. Τσάλτας, Τεχνολογικό Πανεπιστήμιο Κύπρου)
12:30 – 12:50	Η Γεωργία στην Κύπρο: Δεδομένα και εμπόδια – (Χρ. Παπαπέτρου, Πρόεδρος Παγκύπριας Ένωσης Αγροτών)
12:50 – 13:10	Planty: Η καινοτομία στην υδροπονία στην Κύπρο – (Λ. Τόφφας, Planty)
13:10 – 13:30	Η Βιολογική καλλιέργεια στην Κύπρο – (Δρ. Χρ. Χριστοδούλου, Πρόεδρος Συνδέσμου Βιοκαλλιεργητών Κύπρου)
13:30 – 14:15	Διάλειμμα για ελαφρύ γεύμα και δικτύωση
14:15 – 15:15	Συζήτηση στρογγυλής τραπέζης: Προβλήματα και προτάσεις, για την χάραξη πολιτικής στην Κύπρο: Η στρατηγική από το αγρόκτημα στο πιάτο.
15:15 – 15:20	Σύνοψη και κλείσιμο ημερίδας
15:20 – 16:00	Δικτύωση



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 101037128.

Agenda Greece



Date

31st January 2023



Time

09:00 - 14:00

Presentation of new technologies and agro-ecological practices for the achievement of F2F Strategy goals

08:30 – 09:00	Registration of participants
09:00 – 09:10	Opening Ceremony V. Papadimitriou / General Director of SEVT
09:10 – 09:40	Opening speeches C. Kalogirou / General Secretary, Ministry of Rural Development and Food S. Kintzios / Rector, Agricultural University of Athens P. Chatziniolaou / Managing Director, Hellenic Agricultural Organization (DEMETER)
09:40 – 10:10	European Project PestNu: Development, implementation, and demonstration of smart farming technologies combined with organic practices Dr. E. Pechlivani / Centre for Research & Technology Hellas, Coordinator PestNu <i>"Reducing the use of pesticides, fertilizers, and nutrient loss by systemic use of digital and space technologies with agroecological and organic practices"</i>
10:10 – 11:10 (Q & A)	Aims of the European Green Deal and F2F Strategy and Sustainable Development – Actions & Initiatives
10:10 – 10:30	A. Zounos / Directorship of Plant Production Protection, Ministry of Rural Development and Food <i>"Reduction of Pesticides use in the EU by 50% by 2030: Proposal of a new European Regulation"</i>
10:30 – 10:50	Ch. Mourtziopoulos / Director of Quality Assurance and Research & Development, Barba Stathis S.A. (Fresh produce Industry) <i>"The sustainable approach to the feasibility of regenerative agriculture focusing on the F2F strategy and the environment"</i>
10:50 – 11:10	A. Gkalitsopoulou / Director of Sanitary Facilities and Food Safety, Masoutis S.A. <i>"Transition of retail to a more sustainable future: Priorities and Changes"</i>
11:10 – 11:30	Demonstration of PESTNU robot by IKnowHow S.A.
11:30 – 12:00	COFFEE BREAK

12:00 – 12:40 (Q & A)	The role of research in the objectives' achievement of the European F2F Strategy & the national research priorities
12:00 – 12:20	Dr A. Spilioti / General Secretariat of Research and Innovation <i>"Agri-Food Chain: Fundamental priority of the National Smart Specialization Strategy 2021-27"</i>
12:20 – 12:40	Prof. T. Bartzanas / Greenhouse & Hydroponics Systems, Agricultural University of Athens <i>"The role of digital technologies in the objectives' achievement of the F2F strategy"</i>
12:40 – 13:20 (Q & A)	The role of the modern agro-ecological practices & technologies in achieving the objectives of the European F2F Strategy - Examples of application
12:40 – 13:00	Prof. N. Katsoulas / Agricultural Constructions – Greenhouses, University of Thessaly <i>"Aquaponic water and fertilizer use efficiency: effect of bio-stimulant application"</i>
13:00 – 13:20	N. Fragakis / Director of Innovation Business Unit, IKnowHow S.A. <i>"Robots in agriculture. The present and the future"</i>
13:20 – 14:50	Discussion Panel Sustainable practices in the primary production and new technologies: Perspectives & Incentives Discussion moderator: R. Gamvros / President of the Scientific Committee, SEVT S. Kintzios / Rector, Agricultural University of Athens P. Chatziniolaou / Managing Director of Hellenic Agricultural Organization (DEMETER) Ch. Mourtziopoulos / Director of Quality Assurance and Research & Development – Barba Stathis S.A. C. Moysiadis / Business Architect - Future Intelligence Ltd
14:50 – 15:00	Main conclusions
15:00	LUNCH



General Information



Portugal

Total number of participants: 67

Duration: 6h

No of total organizations participated: 36

Spain

Total number of participants:

Duration:

No of total organizations participated:

Greece's Clustering

Total number of participants: >55

Duration: 9h

No of total organizations participated: 22

UK

Total number of participants: 17

Duration: 6h

No of total organizations participated: 8

Sweden

Total number of participants: 29

Duration: 6h

No of total organizations participated: 16

General Information

Austria

Total number of participants: 29

Duration: 6h

No of total organizations participated: 20

Cyprus

Total number of participants: 58

Duration: 6h

No of total organizations participated: 31

Greece

Total number of participants: 109

Duration: 6h

No of total organizations participated: 44

Roundtables

the main elements of the round table discussions



Portugal's Workshop

- Contribution of DIHs to help farmers and other Farm to Fork chain actors to easily access agricultural advisory services, innovations etc.
- Importance of technology transfer and training directly with farmers or using synergies with those close to them.
- Organic food consumers are willing to pay an additional cost if there is transparency and additional information about the production processes.
- integrated management of goals such as Food Waste reduction, with that of increasing the consumption of healthier and more sustainable food, namely of organic food is an area to work in (new jobs, new projects, new initiatives).
- Farmers welcome user-friendly decision support systems that can either be managed by public entities when regarding more generic information available for certain areas or regions, or in the form of advising systems, available for the different types and sizes of farms.
- Even though there are many EO data available both common access points and integration lack - to ease its use by farmers, companies and citizens.
- New bioproducts and nutritional programs may be expensive when compared to chemical products but in the overall balance the production is not necessarily more expensive as less products are used in the fields

Roundtables

the main elements of the round table discussions



Spain's Workshop

- DST are very relevant for agriculture in the Region of Murcia. PestNu's innovations are welcome and there is interest in accompanying the demonstration of these innovations.
- Biofertilizers market is driven by the growth of organic farming and the interest of governments to reduce the carbon footprint of the agricultural sector and improve sustainability
- The combination of new technologies in nutrition and biocontrol with the digitization of agriculture allows for better results in terms of sustainability and food security.
- A key factor for the success of biofertilizer development and acceptance is a well-functioning industry supply chain, which includes raw material producers and suppliers, biofertilizer producers, distribution channels and end users.
- Aquaponics have huge potential to promote and stimulate development in rural areas due to depopulation.



Greece's Clustering Workshop

RTI: Agriculture 4.0 (regarding the reduction of pesticides/fertilisers)

- Main pathways to collaborate under a common framework reported/identified are synergies, common projects, research, interaction with citizen groups, volunteer groups, active community and demonstrations.

Roundtables

the main elements of the round table discussions



Greece's Clustering Workshop

RT1: Agriculture 4.0 (regarding the reduction of pesticides/fertilisers)

- Involvement of associations, open calls, money for research, events, financial networks attract, initiatives that allow for ICT democratization, mass production to lower cost are the main tools used to stimulate adhesion of small and medium-sized farms.
- Mass production of precision farming tools can help lower the cost.
- Tools have to be easy to use, sustainable and efficient for SMEs.

RT2: Pesticides free agriculture & Organic Farming

- The “no soil” condition stated in the EU organics legislation, is an important barrier for the labelling of aquaponics’ vegetables as organic food, thus hindering the lowering of production costs.
- The problem of potential pesticides residues uptake by plants in agricultural commodities was pointed out as an example of risk when organic crops are cultivated on soils being used for years for conventional farming.
- Need to make bridges and promote synergies with organics organizations and access conditions under which they will be willing to collaborate on this.
- Directives should be included carefully because of the differences between Northern and Southern Countries.
- Farmers need to be trained and all this information needs to be disseminated to them.
- Need for a database to share on what we are doing or take advantage of what is done between the related projects

Roundtables

the main elements of the round table discussions



Greece's Clustering Workshop

RT3: Food Wastes

- Common ground was found for synergies and joint actions enabling collecting solutions for sharing with farmers, training activities and technology and knowledge transfer.
- Projects should try to connect to AKIS, EIP-AGRI, EU Code of Conduct subscribers, for identifying needs for information, and for later sharing activities, results etc.
- Joint policy recommendations should be explored, namely by periodic sharing of experiences.
- Continuity of clustering and sharing for deepening relations and joints actions was found essential.



UK's Workshop

- Farmers may be wary of a brand-new technology because of their past disappointing trial experiences. In agriculture, a lot of innovation fails and needs to be changed or improved upon. To reduce mistrust, the community has to have debates and test and prove ideas under different circumstances and for longer periods of time.
- Farmers fear losing autonomy over their farms.
- The workshop participants predict more specialized technologies for specialized issues, such as applied genetics and the breeding of cooperative species for insect protection, will undoubtedly be the next advancements; image analysis with specialized weeding/spraying, etc., has great potential and will advance in the upcoming years.

Roundtables

the main elements of the round table discussions



Sweeden's Workshop

- In Sweden, horticultural producers are 56 years old on average, and in the past ten years, the percentage of producers who are 65 or older has climbed to 26%. This is a difficulty for the industry, particularly in light of the fact that this group of elderly farmers is expected to adopt new technologies.
- The unpredictability brought on by difficult times (Ukraine-war, elevated interest, rising energy prices, rising fertilizer prices, etc.) will undoubtedly raise interest in new technologies that enable an optimized use of resources.
- In order to effectively disseminate knowledge about new technologies, it is crucial that several stakeholders work together. This includes government officials, tech entrepreneurs, consultants, and farmers.
- Although the introduction of new laws may not actually have a significant impact on farmers or growers, the simple perception of an added load may cause stress and decrease enthusiasm in working in primary production.



Austria's Workshop

- Getting to the cause of the problem. Climate change, drought, erosion, monoculture - we need to address the causes of the problems we face with pests, their more frequent occurrence, poor soil fertility etc. A shift towards organic farming is a key to healthy ecosystems and pesticide reduction.
- Strengthening regional and circular economy and awareness on the value of food are important points to focus on from a policy perspective.

Roundtables

the main elements of the round table discussions



Austria's Workshop

- Agroecology and diversity (cultures, ways of doing business, operating structures) are needed to be able to absorb volatile crises.
- Inclusion of small scale farmers is important. We already see an exclusion of small scale farmers in many areas, we need to be careful that they are not structurally excluded.



Greece's Workshop

- The main discussion of the RoundTable focused on the sustainable practices in the primary production and the new technologies. Challenges and barriers were highlighted regarding the adoption of DST and AOP in the agriculture and how they could be dealt with.

Images (1/8)



BEJA, ALENTEJO, PORTUGAL



Images (2/8)

LORQUÍ,
MURCIA,
SPAIN



Images (3/8)



THESSALONIKI,
GREECE



Images (4/8)



**ETHICS AND INNOVATION
IN NEW AGRICULTURE
WORKSHOP**

FRIDAY SEPT. 23, 2022

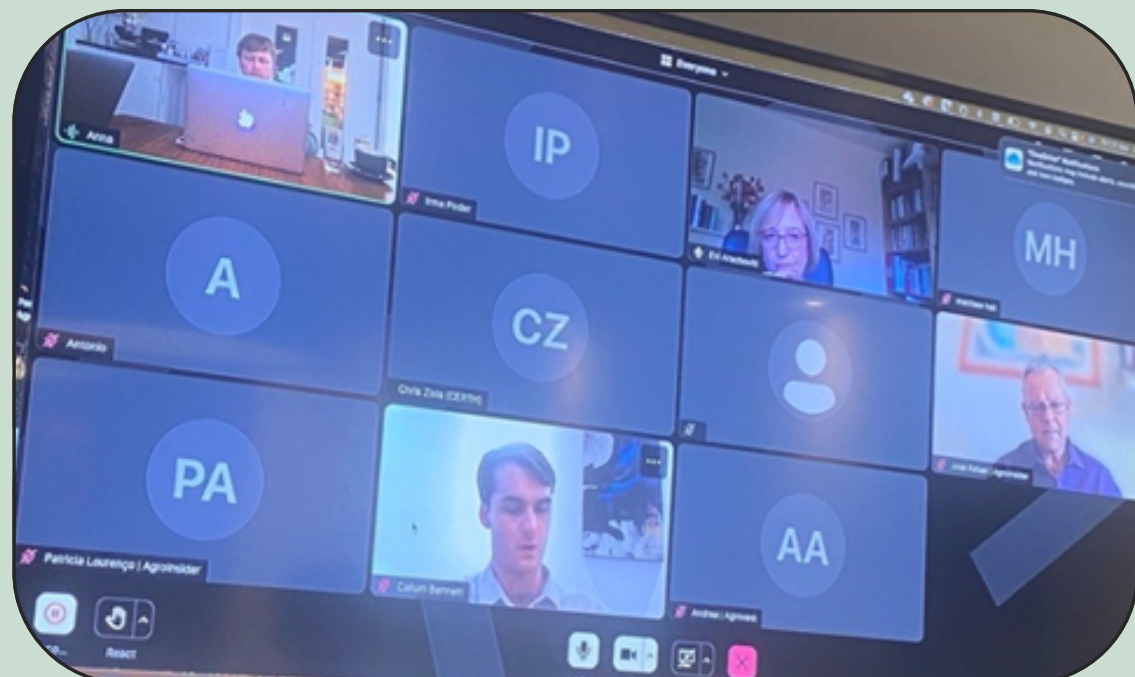
A London-based hybrid workshop bringing together industry leaders in smart farming, agriculture and innovation, as part of the PestNu project.

Scan to learn more

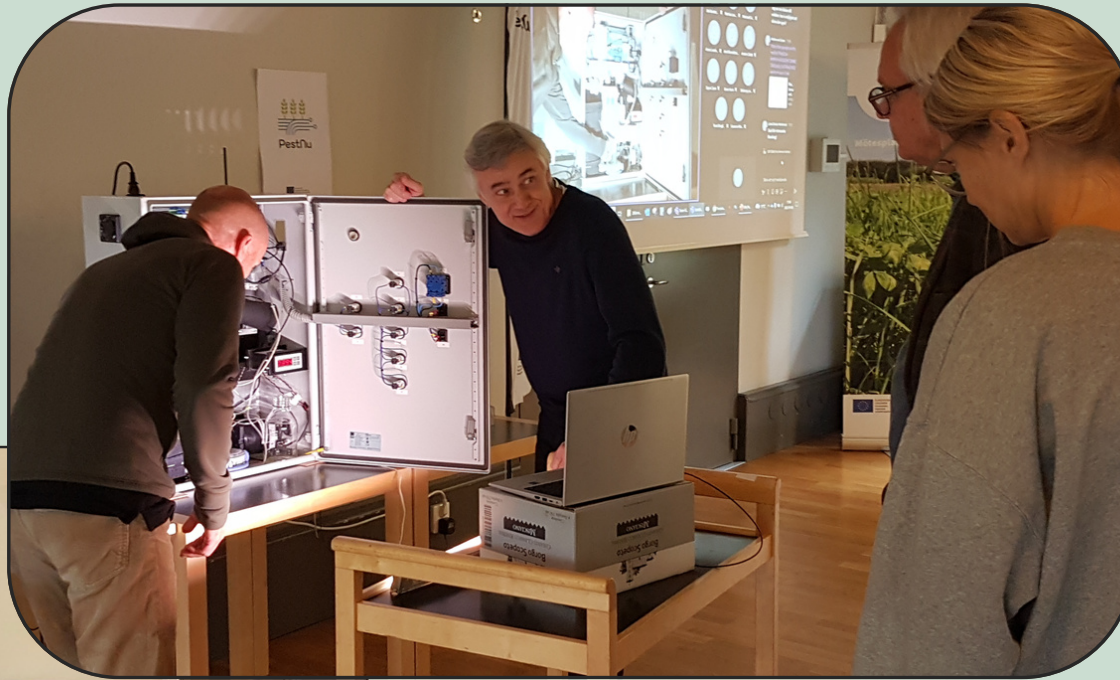


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LONDON,
UK



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SKARA,
SWEDEN



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VIENNA, AUSTRIA



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ATHENS, GREECE

