



PESTNU

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WORKSHOP RESULTS

2022

2022 Workshops

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 , Sweden

Ethics and Innovation in New Agriculture



Agendas (1/4)



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](#)

Agendas (2/4)



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

Agendas (3/4)



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/6F8feI2XHWcQL3C9>. 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.



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Agendas (4/4)

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 PestNu - H2020 (2021-2024)	Dr. Eleftheria Maria Pechlivan, CERTH
9:15 - 9:25	For a world without toxins - 40 years of dedicated work towards a healthy environment Katharina Hoisk, Global2000	Lanna Zamernik, Global2000
9:25 - 9:35	Organic food quality, trends and consumers' behavior Dr. Augustina Gkalitsopoulou, Masoutis S.A.	
9:35 - 9:45	Agapi Katsouleri, SPEL Demands, Challenges and Sustainability Goals for the Fertilizer Industry Dr. Giamakopoulou Polina, S.A.T.T.	
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 PAE, QM, Don't Waste (2021-2023)	
10:15 - 10:25	GreenSprayer - H2020 (2019-2023) 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)	Paula Peiró García, Alentejo
10:50 - 10:50	SCORPION - H2020 (2021-2023)	Dr. Filipe Neves dos Santos, INESC TEC
-	Coffee Break	
11:00 - 11:30	agROBOfood - H2020 (2019-2023)	Dimitra Perperidou, DRAXIS
11:30 - 11:40	AgroSatAdapt - LaCaixa (2018-2022)	Dr. Patricia Lourenco, AgroInsider Dr. Diogo Alagador, UEVORA
11:40 -	Landmare - H2020 (2020-2024)	Dr. Jenny Lieu, TU Delft
11:50 - 11:50	AGRICORE - H2020 (2019-2024)	Prof. Konstantinos Mattas, AUTH
-	12:00	
12:00 - 12:10	VIRTIGATION - H2020 (2021-2025)	Prof. Hervé Vantermeiren, KULEUVEN Dr. Kumar Vasudevan, KULEUVEN
12:10 - 12:35	Cash - GR NSRF Green - Germany bilateral project (2018-2021) FoodOASIS - GR NSRF (2018-2021) AlgaeFuel&Aqua - GR NSRF (2018-2021) Organic PLUS - H2020 (2018-2022) PRECIMED - PRIMA (2019-2022)	Prof. Nikolaos Katsoulas, UTH
12:35 -	AGREMSO3IL - LIFE (2018-2022)	Dr. Maria Fernanda Ortuño 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 (2020-2024)	Dr. Felicidad de Herralde,
13:15 - 13:15	Agro2Circular - H2020 (2020-2024)	IRTA Àngel Martínez, CTNC
13:25 -		
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 Farming PestNu, Organic PLUS, Cash, FoodOASIS, NeoGiant, AlgaeFuel&Aqua, VIRTIGATION, AGREMSO3IL, 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		
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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

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.

Images (1/3)



BEJA, ALENTEJO, PORTUGAL



Images (2/3)

LORQUÍ,
MURCIA,
SPAIN



Images (3/3)



THESSALONIKI,
GREECE

