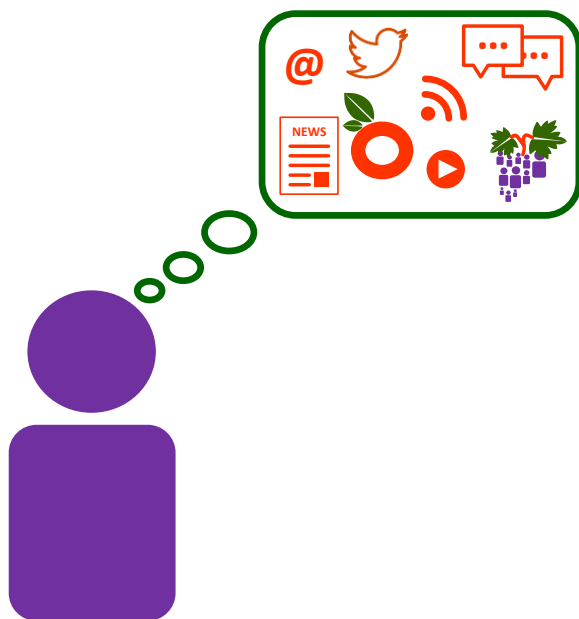




Pesticide Reduction using Friendly and Environmentally Controlled Technologies
LIFE/17/ENV/ES/000205



ACTION D.1: Dissemination planning and execution

Deliverable D.1.5: Revised dissemination and communication plan



EXECUTIVE SUMMARY

The present document describes the Deliverable D1.5 (Revised Dissemination and Communication Plan) of the PERFECT LIFE project (<https://perfectlifeproject.eu/>). It reflects the updates made in the frame of the PERFECT LIFE project regarding our communication strategy. The initial Dissemination and Communication Plan was the first deliverable (D1.1) submitted at the very beginning of the project. **This deliverable described in detail and in a comprehensive way our diffusion and communication activities.** Elements like media to be used for dissemination, identification of relevant events, communication channels and tools, or target audience for dissemination purposes were defined and included in that plan. However, when the COVID-19 pandemic arrived, at the beginning of 2020, all the initial planning suffered huge modifications. We needed constant and fluid communication with our audience and stakeholders involved in the project like researchers, farmers, technicians, and all the rest of the collaborators and interested parties. Nevertheless, the lockdown and all the restrictions in the EU territory (and abroad) compromised our usual way to be in contact with our public and collaborators through face-to-face meetings, courses, info-days, demonstration-days, etc. So, we were forced to rethink and reorganize the initial planning.

Due to the COVID-19 outbreak, we had to cancel some events and adapt other activities to keep active **our main goal of demonstrating the reduction of the environmental contamination by pesticides and their metabolites in the air using easy-to-use tools and technologies, leading to a decrease in the pesticide risk for fauna, flora, and human beings.** These modifications and adaptations to the new scenario were a great challenge for us, but we were committed to the project, and we did everything we could to adapt to and take advantage of the situation as difficult as it was. Besides, we were forced to formally request an amendment to extend the project period for one extra year to EASME (the initial agency of the European Commission managing the Life program, currently delegated to the new agency CINEA). This amendment was requested because, on one hand, as commented before, the COVID-19 Pandemic highly affected all the activities related to the project and especially the field trials planned for the spring and summer of 2020 that had to be postponed. On the other hand, the withdrawal of one of the partners due to it went into bankruptcy proceedings and was entered into administration by the Court. The activities developed by this partner were key for the project, so we looked for and found a new technological partner, FossillonTech (FIT), able to do what was agreed in the project proposal and the grant agreement by the former partner.

In the present document, we describe in detail all the activities and actions adapted to the new situation, facing a great challenge, and demonstrating the great benefits of our project. Besides, we provide specific dissemination and networking events arranged by each partner since the beginning of the project, in terms of diffusion and knowledge transfer.

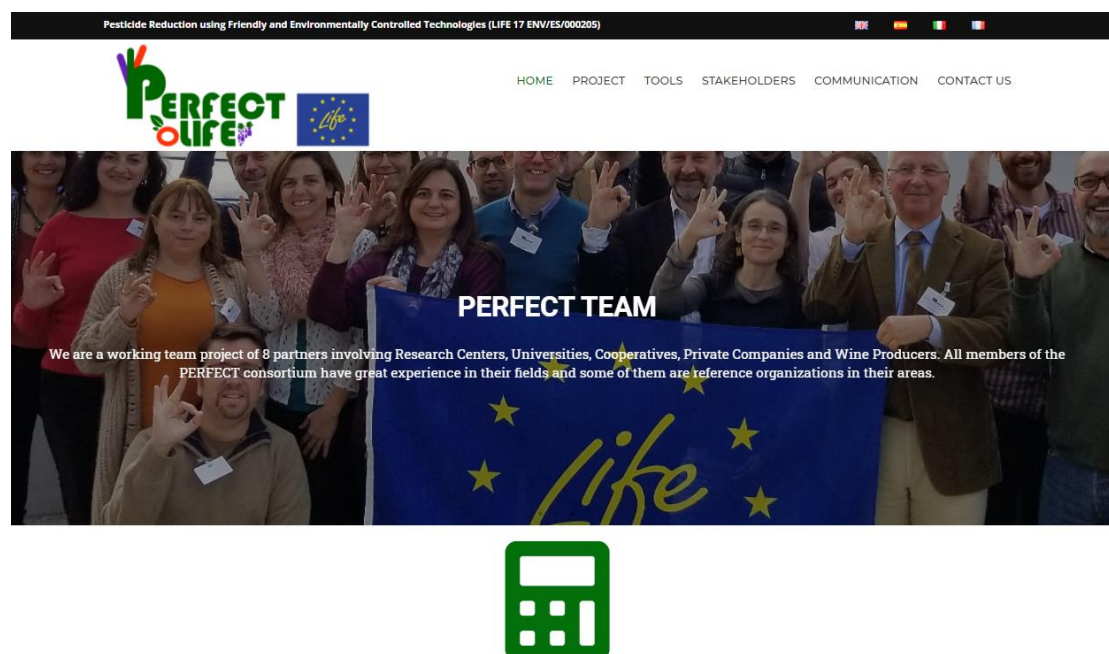
INDEX

EXECUTIVE SUMMARY.....	2
1 INTRODUCTION.....	4
2 DISSEMINATION STRATEGY	6
3 GENERAL GUIDELINES	9
3.1 APPROVAL PROCEDURE	9
3.2 EVENTS PARTICIPATION	9
3.3 PRESENTATIONS	9
3.4 PUBLICATIONS	10
3.5 KEEPING THE WEBSITE UP TO DATE.....	10
3.6 CONFERENCES & WORKSHOPS.....	11
3.7 ADAPTATIONS TO THE AFTER COVID-19 OUTBREAK SITUATION	11
4 ORGANIZATION OF SPECIFIC EVENTS AND NETWORKING WITH OTHER PROJECTS.....	13
4.1 MAIN EVENTS ATTENDED BY ALL THE CONSORTIUM.....	14
4.2 DISSEMINATION EVENTS BY PARTNER.....	15
4.2.1 CEAM	15
4.2.2 CACV.....	15
4.2.3 DiSAFA-UNITO.....	17
4.2.4 FISABIO.....	17
4.2.5 IFV.....	17
4.2.6 IVIA.....	18
4.2.7 UMA-UPC.....	19
4.3 NETWORKING ACTIVITIES BY PARTNERS	20
4.3.1 CEAM	20
4.3.2 CACV.....	21
4.3.3 DiSAFA-UNITO.....	21
4.3.4 FISABIO.....	21
4.3.5 IFV.....	21
4.3.6 IVIA.....	21
4.3.7 UMA-UPC.....	21
5 CONCLUSIONS.....	23

1 INTRODUCTION

Communication is a key element of any project implementation, but especially for LIFE projects because one of the aims of the LIFE programme is to provide and disseminate solutions and best practices to achieve environmental and climate goals. At the very beginning of the PERFECT LIFE project, we prepared a plan (Deliverable D1.1) to guide and help us to achieve the objectives of the project in terms of dissemination, to encourage behavioural change in the target groups, showcase the results, and guarantee the success of the project. With this plan, we encourage the transfer of technologies and results informing all the stakeholders in a bottom-up strategy, from farmers to policymakers, at the local and the EU levels, of best agricultural practices and linking the project to EU and/or national initiatives.

The dissemination of the project and its results is critical for us. The project and its results are being made public at the European level and worldwide. To transfer the project objectives and results, all the common information (objectives, planned actions, public deliverables, results, etc.) of our progress is in open access format for the general public, through the project webpage (<https://perfectlifeproject.eu/>) (Figure 1). Besides, specific or sensitive information and the data collected in the frame of the project (confidential or technical deliverables) can be also accessible for institutions and bodies contacting us.



How do the Perfect tools work?

Farmers and pesticide applicators can use our perfect tools to reduce and optimize the amount of sprayed product saving money and reducing the spray drift losses in the atmosphere

Figure 1: Screenshot of the front page of the project' website: <https://perfectlifeproject.eu/>



We are giving importance to the dissemination in Europe to facilitate understanding of results and extrapolation to all European regions, but also abroad. The dissemination is being carried out by CEAM, focused on air pollution and atmospheric chemistry research sector; IVIA, UPC, IFV, CACV and DiSAFA, focused on agricultural and academic sectors; FISABIO, focused on Air Pollution, and Health Sectors and the general public; and FIT, focused on SME industrial sector. CEAM, IVIA, UPC, DiSAFA, IFV and FISABIO are also disseminating the project results among public authorities. Even though the eight partners are located in the South of Europe, specifically in Spain, France and Italy, dissemination activities are promoting and raising interest from the whole of Europe and beyond. As some indicators show, e.g., the increasing number of visits to the project webpage from countries like the U.S.A, Canada, China or India, or the interactions on social media with people from all over the world.

The target groups, which are the core of our dissemination strategy, have been defined and invited to some meetings, events, or info-days. For example, agricultural cooperatives, regional sprayer manufacturers, or dealers of plant protection products (PPP) and/or agricultural commodities, municipalities, and Governments at the Regional Level (Conselleria de Sanidad from Valencia, Spain), at the National Level (Spanish Health Ministry), and European Level (DG Environment, DG Res, EP), Chambers of commerce, Eurochambers, Agriculture Associations, Agriculture and Chemistry Universities. Among the direct communication activities, there are also those related to the periodical dissemination to relevant organizations, associations, and networks: Assembly of European Regions, Conference of Peripheral and European Regions Knowledge-Based Innovation Network, European Regions Research and Innovation Network, the European Association of Regional Development agencies, Lisbon Regions Network, etc.

2 DISSEMINATION STRATEGY

In the **initial dissemination plan**, we identified the three main goals of diffusion and knowledge transfer to achieve a good communication strategy as:

- Identification of targets, audience, and messages.
- Plan to achieve desired outcomes.
- Clearly defined objectives of the project.

The first two goals were described and presented in the initial dissemination strategy (D1.1). Regarding the objectives of the PERFECT project, they were already defined in the grant agreement in the project proposal.

As mentioned above, our **targeted audience** is structured bottom-up, from farmers and cooperatives; passing through research centres and European platforms; and finishing with policymakers like Municipalities and Governments at Regional, National and European Levels. All the different actors are important to us because they are part of the food and production chain. If we arrive at all the links of the chain, the strength of our message will be greater and more robust.

Our message is clear and was well defined in the beginning: we want to demonstrate the reduction of the environmental contamination of pesticides and their metabolites in the air using Optimal Volume Rate Adjustment tools (OVRA) and drift reducing tools (SDRT) which will lead to a decrease of the pesticide risk for fauna, flora, and humans. Our message is also well summarized in the infographic created specifically for the project dissemination material (Figure 2).

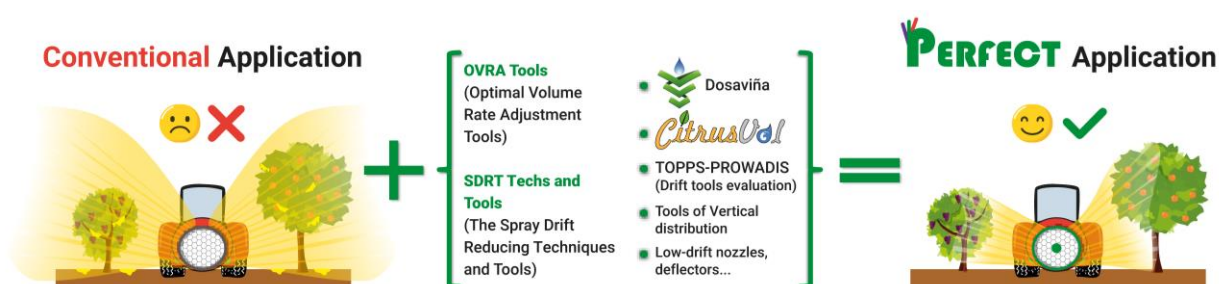


Figure 2: Infographic created specifically for the project dissemination material.

Our plan to achieve the desired outcomes was also defined in D1.1. On one hand, we needed more data **to know the state of the art** regarding the level of knowledge of farmers and PPP applicators about losses and exposure to pesticides and methods of reduction of pesticide impact before the starting of the project. On the other hand, we needed to define the economic impact derived from the increase in the use of OVRA (Optimal Volume Rate Adjustment) tools and SDRTs (Spray Drift Reducing Techniques and Tools). Therefore, we spread two types of questionnaires/surveys, one for each purpose. The results of both surveys were summarized in

two deliverables C3.1 and C4.1, also available in open access format on our webpage (<https://perfectlifeproject.eu/deliverables/>). The main outcomes of those reports were:

- C3.1: In the studied regions, the environmental awareness of farmers related to PPP application could be described as low. The conventional practices, without considering environmental aspects and resulting also in high unnecessary economic costs, were more spread and established in the farmers' behaviour than expected. Awareness-raising about more efficient and environmentally friendly practices should be intensely promoted, particularly by face-to-face meetings with the target groups. In this context, we had a big challenge and was necessary an extra effort to convince farmers, but also other operators about the advantages of using the tools and techniques promoted by our project.
- C4.1: The use of Low Drift Nozzles was very low, and therefore their selling was also very low. In particular, a null use in Spain (Valencia region) and less than 5% of selling in Italy. In this context, the challenge was also so big, and extra efforts were very necessary for changing the mind of farmers, but also of dealers, regarding the advantages of this type of nozzles as a very important example of SDRT tools, to promote them and increase their use.

Once we had defined our starting point, we had also to define the **instruments, tools, and media to spread our message**. Those tools were selected in order to facilitate collaboration among involved parties, i.e., bidirectional flow of knowledge and technology, promoting the project and its results in a unidirectional informative manner, providing targeted or generic information, and allowing the provision of feedback and suggestions/requirements raised by scientific and user communities. All those instruments and dissemination material were fully defined in D1.1. An updated summary list of the most important items separated by categories is presented below:

- Graphical material: the project logo; banners and templates for conferences and presentations; leaflets, roll-ups, and notice boards in the 4 languages of the project (English, Spanish, Italian and French).
- Online material: A webpage of the project (<https://perfectlifeproject.eu/>) to collect all the information regarding the project was created in 4 languages. Each partner also added the project information on the webpage of their corresponding institution; social networks accounts (Twitter, Facebook, and Instagram) of the project were also created for publishing regular information and news related to the project.
- Newsletters: A newsletter platform (Mailchimp) for disseminating and monitoring the impact of our regular newsletters were also created. Two newsletters have been launched already and some more are planned to be launched before the end of the project.
- Contact and networking data: A mailing list fed by the Mailchimp software and some mailing lists distributed in the initial meetings and info-days were collected. A networking database was also included in the initial dissemination plan, and it is regularly updated.
- Videos: A YouTube channel (PERFECT LIFE CHANNEL) specifically for the project was also created to upload all the videos produced in the frame of the project. Up to the delivery of the present report, 3 tutorial videos describing how to use DOSAVIÑA, CITRUSVOL and

CITRUS VESPA were created and uploaded with subtitles in Spanish and English (Italian and French versions are coming soon). Besides, more videos showing the benefits of the project and the results obtained in the field trials will be added too.

- Communication: Besides newsletters, a specific section for communication purposes was included in the webpage. In this section different kinds of publications dedicated to different audiences can be found: Scientific publications of some of the partners written in the frame of the project; a blog with up-coming news and advances of the project dedicated to the more generic public; and a media section with all the news published by thirds parties, like local or national newspapers or online platforms, forecasting the project (e.g. Video report on regional (Valencia) channel specialized in agronomic news, Figure 3).
- Stakeholders: A specific section for the main stakeholders of the project was also included in the webpage.
- OVRA and SDRT Tools: The webpage has also a specific section (<https://perfectlifeproject.eu/perfect-tools/>) where everybody can access the websites and Apps of the tools promoted by the project. Those tools have been updated and translated to different languages in the frame of the project to increase their visibility and accessibility to reach a wider audience.



Figure 3: Screenshot of the Project Coordinator being interviewed in the video report of “Terra Vivia (À Punt)”.

3 GENERAL GUIDELINES

In D1.1 we defined a set of **guidelines to follow by all the consortium partners** in terms of dissemination and knowledge transferability. Hereafter we provide a summary of all actions and some updates for adapting our work to the new scenario. The principles are structured in **three pillars**:

- Intentions to perform any primary dissemination activity are generally required to follow an approval procedure, as well as using the referenced guides and tools (consult the coordinator, inform the partners, global mailing lists, etc.).
- Partners should not initiate PERFECT LIFE dissemination activities on topics that fall outside of their involvement in the project.
- All publicly held activities should be presented in electronic format to the rest of the consortium.

3.1 APPROVAL PROCEDURE

If any partner wants to complete a dissemination action, the partner must first announce the intention to the Project Coordinator and the Responsible of Action D who will then grant the right to proceed. This should be done at least 2 weeks before the requested action to be taken. Unless an objection is raised, approval is obtained implicitly.

3.2 EVENTS PARTICIPATION

Once a partner receives information on an upcoming meeting, conference, workshop, etc., where information related to the project could be disseminated, the concerned partner should inform the coordinator and the rest of the partners about the upcoming event and participation. Duplications should be avoided as much as possible. Therefore, if more than one partner intends to attend the same event (apart from the consortium meetings) they should discuss and agree on the importance for each partner. If there is no way to reach an agreement, the coordinator will mediate because the expenses arising from this meeting can only be charged to the project by one of the partners.

3.3 PRESENTATIONS

All the performings and presentations in the frame of the PERFECT LIFE project must follow the next points:

- The presentation should indicate the PERFECT LIFE logo.

- The presentation should identify the funding instrument of the project LIFE+ and the LIFE+ logo.
- Presentations should conform to the EU rules for publications.
- Existing presentations can (and should) be reused. After notifying the reuse and any modification, the creators should approve (or not) this presentation.
- Non-public material should not be included in the presentation, as long as the partners or authors responsible for this material have not given their explicit permission.
- Presentations should be made internally available for the rest of the consortium. If there is any sensitive information, the partners must eliminate them before sending it to the coordinator or inform the coordinator that this information should not be shown.
- The leaflet of the project was produced to be used in all the events related to the project.

3.4 PUBLICATIONS

The following guidelines apply to the project's publications:

- Publications must be announced to the consortium.
- All partners that are being involved in the actual work that a publication is based on should be consulted before its announcement.
- The rest of the partners that are involved in the work being presented should internally approve the published material.
- Publications should conform to the EU rules for publications.
- All publications should refer to the PERFECT LIFE project as their primary supporting action.
- Partners should limit publications on work which is their main objective within PERFECT LIFE unless otherwise approved by the project members.
- Publications should explicitly respect the Common Provisions and the Consortium Agreement.

3.5 KEEPING THE WEBSITE UP TO DATE

All the **consortium members are the main source of information** and the ones responsible for adding content. The structure and configuration of the website are modified upon recommendation by partners, or as needed by the Website Administrator (CEAM) for facilitating navigation and access to all the interesting information within the project. The structure and access to the project website were done following, as far as possible, an easy-to-use way, so all

types of users can access it and consult all the information they need in a simple and intuitive form.

3.6 CONFERENCES & WORKSHOPS

Conferences and workshops on thematic areas relevant to the projects are carefully tracked down and upon availability, the consortium will generate papers and/or technical notes, and presentations to be sent to them.

3.7 ADAPTATIONS TO THE AFTER COVID-19 OUTBREAK SITUATION

All the previous information is based on the initial guidelines made before the COVID-19 outbreak. Even though, most of the points are compatible with the sanitary restrictions and rules to follow for health standards. **Adaptations to the new scenario were and will be taken by all members of the consortium while the COVID-19 situation remains in the EU territory.**

Every member of the consortium is following all the recommendations made by the health authorities for promoting healthy behaviours and reducing the spread of COVID-19. Just like staying home when appropriate, physical (social) distancing, wear well-fitting masks, etc.

Constraints on travel and gathering were set in all counties and many conferences or workshops were cancelled. But other events changed its common way of meeting participants. For example, online meetings and conferences instead of face-to-face gatherings. For scientific and technical meetings, we had not many issues, because we were quite used to these types of meetings and tools before the outbreak (Figure 4). However, dissemination and knowledge transfer to a less used audience, like farmers and pesticide applicators, at the beginning were more difficult. Nevertheless, now that the situation is more popular, **even people without experience with computers is taking advantage of new technologies** and participating more every day in those type of online meetings. We need also to take advantage of this new situation and arrive at more people that could be interested in our tools and techniques.



Figure 4: Some members of the Consortium in an online meeting during the COVID-19 outbreak.

Now on, the situation seems to improve every day in terms of infections, but we still need to keep vigilant and follow all the recommendations from the health authorities like:

- Avoid large events and gatherings, when possible.
- Consider the level of risk when deciding to host an event.
- Promote healthy behaviours and maintain healthy environments to reduce risk when large events and gatherings are held.
- Be prepared if someone gets sick during or after the event.

4 ORGANIZATION OF SPECIFIC EVENTS AND NETWORKING WITH OTHER PROJECTS

All the partners of the consortium are **actively participating in the dissemination part** of the project, attending different meetings like conferences or technical events. All the events are dated in the calendar of the project (see the next link to Google Calendar webpage) (See pictures of some events in figure 5).

<https://calendar.google.com/calendar/embed?src=9vqs4fh2q84uhevvh66e130et0%40group.calendar.google.com&ctz=Europe%2FMadrid>

Even that the eight entities forming the consortium are located in Southern Europe (Spain, France and Italy), targeted dissemination activities are planned to promote and raise interest in the whole European territory and even beyond. As mentioned above, the consortium of the project is formed by different entities dedicated or focused on different audiences and stakeholders. It was meant in that way to reach as many interested people as possible.

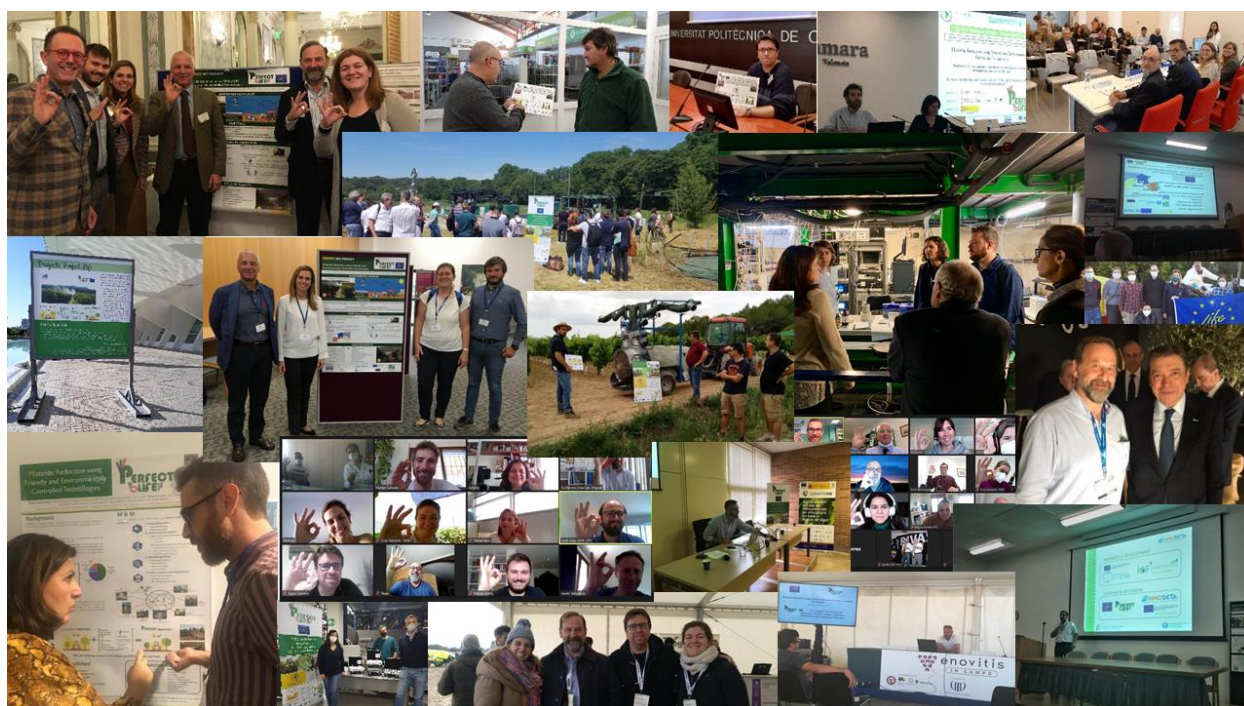


Figure 5: Photo composition of some examples of meeting and networking events.

4.1 MAIN EVENTS ATTENDED BY ALL THE CONSORTIUM

In this section, we summarize all the main activities attended or organized by all the partners of the consortium together. After the present point, the activities, regarding dissemination and networking of each partner separately, will be also shown.

Kick-off meeting of the project and initial info-days: The first info-day and presentation event of the PERFECT Life project took place, the 29th of October 2018, at the headquarters of the Regional Government of Agriculture, Environment, Climate Change and Rural Development of Generalitat Valenciana (Conselleria Valenciana de Agricultura, Medioambiente, Cambio Climático y Desarrollo Rural) in the city of Valencia, Spain. More info about the event can be consulted in the specific deliverable dedicated to Info-days (D1.4). In the Deliverable D1.4 (Report of the Info-days and presentation events of the PERFECT Life project) more info about other organized info-days and demonstration-days carried out in Spain, France, and Italy can be also found. As well as other important events arranged during the first year of the project, from the beginning of the project, on the first of September 2018, till the Progress Report was delivered to the EU agency on 30th September 2019.

General and internal meetings of the consortium: Every year all the members of the consortium have a general meeting, and several internal or minor meetings, to follow the progress of the project and discuss different technical aspects. Those are not dissemination activities by themselves, but without them, we cannot organise the rest of the activities. The dates of those general meetings and the final event are presented below:

- 1st General Meeting (Project Kick-off meeting): Valencia (Spain), November 20-21, 2018.
- 2nd General Meeting: Turin (Italy), June 6-7, 2019.
- 3rd General Meeting: On-line, July 21-22, 2020.
- 4th General Meeting: Pending to fix the exact date, but likely will be at the end of November (Online).
- 5th General Meeting: Pending to fix date and place (tentative Montpellier) (spring-summer 2022).
- Final Event: Pending to fix date (spring-summer 2023). Addressed to the general population, public health centres, authorities from regional/national levels, planned to be carried out at the FISABIO headquarters.

Monitoring meetings: Those meetings are also not meant for dissemination purposes, but to inform yearly the European Commission through the LIFE Programme managing agency (EASME/CINEA and NEEMO) about the progress of our project and all the achievements accomplished until the moment of the every-year meeting. EASME/CINEA and NEEMO also evaluate the development of our actions and guide us for a better advance of the different activities taking place. The dates of those monitoring meetings are presented below:

- 1st Monitoring Meeting: April 19, 2019.

- 2nd Monitoring Meeting: February 20, 2020.
- 3rd Monitoring Meeting: April 21, 2021.
- 4th Monitoring Meeting: Pending to fix (tentative 1st quarter of 2022).

4.2 DISSEMINATION EVENTS BY PARTNER

Hereafter we present, by date, all the events attended or performed by the partners related to the project in terms of dissemination and knowledge transferability. Some of the events can be duplicated because more than one partner may have attended that specific meeting.

4.2.1 CEAM

- Life Projects 17 Kick-off Meeting. Brussels, November 6-7, 2018.
- EU Life Information Meeting and Networking Day. Valencia, May 7th, 2019.
- 17th International Conference on Chemistry and the Environment. Thessaloniki, June 16-20, 2019.
- 1st INNOSETA French Workshop and Networking Event and Info-day on spaying in viticulture. Montpellier, June 18-19, 2019.
- XVI Symposium on Pesticide Chemistry. Piacenza, September 3-5, 2019.
- 3rd PTIM 2019-International Caparica Conference on Pollutant Toxic Ions and Molecules. Lisbon, November 04-07, 2019.
- Life Platform Meeting on Chemicals. Vilnius, November 28-29, 2019.
- 41st International Fair of Agricultural Machinery (FIMA). Zaragoza, February 28th, 2020.
- Course: "2236-46-1 GESTIÓN Y ELABORACIÓN DE PROYECTOS EUROPEOS" Ejemplo de proyecto LIFE de éxito en la CV. Universidad de Valencia. May 4th, 2021.

4.2.2 CACV

- Info-day Coop. Sueca. Valencia, February 1st, 2019.
- Jornada técnica sobre innovación y sanidad vegetal. CACV. Valencia, February 15th, 2019.
- Info-day Coop. Lliria, Benaguasil and Betera. Valencia, March 26th, 2019.
- Info-day Coop. Bugarra and La Vall d'Uixò. Valencia, March 28th, 2019.

- ATRIAS/ADV Coordination meeting. CACV. Valencia, April 24th, 2019.
- Seminar “Novedades en transferencia tecnológica: eficacia de tratamientos y buenas prácticas”. Presentation of the Project. CACV. Valencia, May 8th, 2019.
- Presentation of the Project in the course: “Producción Integrada. (Herramientas para la optimización de los tratamientos fitosanitarios)”. Online, May 29th, 2019.
- Info-day: Coordination meeting with technicians from citrus cooperatives. Organized by CACV (Herramientas y medidas para optimizar la aplicación de fitosanitarios). Presentation of the Project. Vall d’Uixó, Castellón, June 12th, 2019.
- Presentation of the Project in the Webinar del curso de Producción Integrada. On-line, September 30th, 2020.
- Presentation of the Project in the course “formación complementaria de técnicos de CACV” On-line, October 27th, 2020.
- Meeting Universidad Miguel Hernández de Elche. December 3rd, 2020.
- Meeting Universidad de Alicante. December 3rd, 2020.
- Presentation of the Project in the Webinar of CACV. “Eficacia ambiental en tratamientos plaguicidas”. On-line June 17th, 2021.
- “Micro-events” or face to face meetings:
 - Cooperative of Catadau, April 12th, 2019.
 - Cooperative of Puzol, April 10th, 2019.
 - Cooperative of Castelló de Rugat, April 3rd, 2019.
 - Cooperative of Sueca, November 29th, 2019.
 - Cooperative Els Ibarsos, September 20th, 2020.
 - Cooperative of Traiguera, September 16th, 2020.
 - Cooperative Divina Aurora of Beneixama, November 3rd, 2020.
 - Cooperative Intercoop of Segorbe. December 16th, 2020.
 - Cooperative Nuestra Señora Del Oreto, March 10th, 2021.
 - Cooperative La Pobla del Duc, January 21st, 2021.
 - Coop. Oléicola Serrana Del Palancia, March 4th, 2021.
 - Cooperative Agrícola San Isidro of Coves de VinRomá. April 13th, 2021.

4.2.3 DiSAFA-UNITO

- AAB Workshop about PPP Dose Expression in 3D crops. Barcelona, November 6-7, 2018.
- EIMA fair (International Exhibition of Agricultural Machinery). Bologna, November 7-11, 2018.
- 1st TOPPS-on farm event. Nizza Monferrato, March 27th, 2019.
- 1st INNOSETA French Workshop and Networking Event and Info-day on spaying in viticulture. Montpellier, June 18-19, 2019.
- ENOVITIS in CAMPO. Montepulciano, Tuscany, June 20- 21, 2019.
- 2nd TOPPS-on farm event. Borgoluce vine farm, Treviso, July 4th, 2019.
- Info-day and presentation event of the project. Alba, July 10th, 2019.
- SuproFruit 2019 – 15th Workshop on Spray Application and Precision Technology in Fruit Growing. East Malling, July 16-18, 2019.
- National Agricultural Engineering Mid-term Conference. Matera, September 12-13, 2019.
- AAB International Workshop on Sprayer Cleaning. Oberbozen, October 2-3, 2019.
- TOPPS training course on prevention of point and diffuse source. Turin, October 8th, 2019.
- TOPPS training course on prevention of point and diffuse sources. Carpeneto, October 24th, 2019.
- TOPPS training course on prevention of point and diffuse sources. Pavia, December 5th, 2019.

4.2.4 FISABIO

- Webinar Perfect LIFE. CACV. “Eficacia ambiental en tratamientos plaguicidas”. On-line June 17th, 2021.

4.2.5 IFV

- 1st INNOSETA French Workshop and Networking Event, and Info-day on spaying in viticulture. Montpellier, June 18-19, 2019.
- Field demonstration efficiency Tech and Tools. Montpellier, June 18th, 2019.

- Field demonstrations efficiency Tech and Tools, focus on SDRTs (Spray Drift Reducing Techniques and Tools). Languedoc-Roussillon, France, October 20th, 21st, 22 and 23rd, 2020.
- Demonstration-Day, focus on SDRTs (Spray Drift Reducing Techniques and Tools). Maspique, Hérault, France, June 2nd, 2021.
- Demonstration-Day, focus on SDRTs (Spray Drift Reducing Techniques and Tools). Mercurol, Drome, France, June 9th, 2021.

4.2.6 IVIA

- Workshop: Workshop about PPP Dose Expression in 3D crops, organized by AAB. Barcelona, November 6-7, 2018.
- Course: Jornada técnica sobre innovación y sanidad vegetal, organized by CACV. Valencia, February 15th, 2019.
- Course: ATRIAS/ADV Coordination meeting. Organized by CACV. Valencia, April 24th, 2019.
- Course: Novedades en transferencia tecnológica: eficacia de tratamientos y buenas prácticas. Organized by CACV. Valencia, May 8th, 2019.
- Course: Airblast sprayers calibration. Organized by Bayer CropScience (Calibración de pulverizadores hidráulicos asistidos por aire en uva de mesa). Hondón de las Nieves, Alicante, May 9th, 2019.
- Course: Airblast sprayers calibration. Organized by Bayer CropScience (Calibración de pulverizadores asistidos por aire en uva de mesa). Cooperativa Agrícola de Monforte del Cid, Alicante, May 13th, 2019.
- Course: Technical specialization course: Pest and disease control in pomegranate. Organized by Generalitat Valenciana (Calibración de pulverizadores hidráulicos asistidos por aire en granado). Valencia, May 14th, 2019.
- Course: Integrated Production. Organized by CACV (Herramientas para la optimización de los tratamientos fitosanitarios). Moncada, Valencia, May 29th, 2019.
- Info-day: Coordination meeting with technicians from citrus cooperatives. Organized by CACV (Herramientas y medidas para optimizar la aplicación de fitosanitarios). Vall d'Uixó, Castellón, June 12th, 2019.
- Workshop: SuproFruit 2019 – 15th Workshop on Spray Application and Precision Technology in Fruit Growing. Organized by NIAB EMR. East Malling, July 16-18, 2019.
- Workshop: X Congreso Ibérico de Agroingeniería. Organized by Universidad de Zaragoza. Huesca, September 3-6, 2019.

- Course: Airblast sprayers calibration. Organized by Bayer CropScience (Calibración de pulverizadores asistidos por aire en olivo). Tarragona, September 24th, 2019.
- Course: Update of citrus growing. Organized by the Villa Real Experimental Station from Generalitat Valenciana (Cítricos. Optimización de los tratamientos fitosanitarios). Almassora, Castellón, November 19th, 2019.
- Course: Master Bayer Impulsa: Gestión integrada de plagas y enfermedades de la viña, en la Universitat Politècnica de València. Valencia, November 28th, 2019.
- Course: On-line Seminar on the control of mites in citrus. Organized by Belchim Crop Protection (Optimización de los tratamientos contra la araña roja mediante el ajuste de los volúmenes de caldo). On-line, May 28th, 2020.
- Webinar: Course on Occupational Risk Prevention in the Agricultural Sector. Organized by Institut Valencià d'Administració Pública (IVAP) (Calibración de los equipos de pulverización). On-line, September 24th, 2020.
- Webinar: Integrated Production. Organized by CACV. Online, September 30th, 2020.
- Webinar: Complementary training of technicians from agricultural cooperatives. Organized by CACV. Online, October 27th, 2020.
- Workshop: Congreso en red de Olivicultura, Citricultura y Fruticultura de la Sociedad Española de Ciencias Hortícolas 2021. Organized by SECH (Ajuste del volumen de caldo en los tratamientos fitosanitarios en parcelas superintensivas de cítricos. Herramienta CitrusVol). On-line, March 23-25, 2021.
- Webinar: Mejora de la eficiencia de aplicación de productos fitosanitarios (Perfect LIFE Project). Organized by CACV. (Herramienta CitrusVol para mejorar la eficiencia de aplicación de productos fitosanitarios en cítricos). On-line, June 17th, 2021.

4.2.7 UMA-UPC

- AAB Workshop about PPP Dose Expression in 3D crops. Barcelona, November 6-7, 2018.
- Course in Colegio Oficial de Ingenieros Agrónomos de Aragón, Navarra y País Vasco (COIAANPV). Zaragoza, December 5th, 2018.
- Meeting with farmers to improve the Dosaviña OVRA tool. La Granada del Penedès, Barcelona, January 31st, 2019.
- 1st INNOSETA French Workshop and Networking Event and Info-day on spaying in viticulture. Montpellier, June 18-19, 2019.
- Jornada pràctica per mostrar com funciona l'aplicació DOSAVIÑA. Olèrdola (Barcelona), June 21st, 2019.

- SuproFruit 2019 – 15th Workshop on Spray Application and Precision Technology in Fruit Growing. East Malling, July 16-18, 2019.
- VII Agrievolution summit Spain, Madrid, October 1st, 2019.
- MasterClass Agrobiologia Ambiental. Universitat Barcelona, October 21st, 2019.
- Jornada en colaboración con JARC (Joves Agricultor i Ramaders de Catalunya). Batea (Tarragona), October 24th, 2019.
- Jornada presentación proyecto Grupos Operativos GOPHYTOVID. Bodega Viñas del Vero (Aragón), December 16th, 2019.
- 41st International Fair of Agricultural Machinery (FIMA). Zaragoza, February 27-28, 2020.
- Webminar cluster INNOVI. Jornada “Aplicación inteligente de fitosanitarios”. February 27th, 2020.

4.3 NETWORKING ACTIVITIES BY PARTNERS

Hereafter we present, by date, all the events attended by the partners related to the project in terms of networking. Some of the events were also presented in the Dissemination events sections above because we did both things in the same event.

4.3.1 CEAM

- Life Projects 17 Kick-off Meeting. Brussels, November 6-7, 2018.
- Integra Media, Dissemination Enterprise. By telephone, March 11th, 2019.
- EU Life Information Meeting and Networking Day. Valencia, May 7th, 2019.
- 1st INNOSETA French Workshop and Networking Event, and Info-day on spaying in viticulture. Montpellier, June 18-19, 2019.
- Life Platform Meeting on Chemicals. Vilnius, November 28-29, 2019.
- 41st International Fair of Agricultural Machinery (FIMA). Zaragoza, February 28th, 2020.
- ACTRIS IMP Kick-Off Meeting. March 02-06, Cyprus.
- Project Fertinyect. Telephone, March 11th, 2020.
- ActionCost INDAIRPOLLNET annual virtual meeting. Online, September 16th, 2020.
- Networking PERFECT and LIFEagremsoil. Online, December 18th, 2020.

4.3.2 CACV

- Kick-off Meeting Cybele Project. Barcelona, January 28th, 2019.
- Project Re-Life Waste. Valencia, February 6-8, 2019.
- Red Atrias CV. Valencia, February 8th, 2019.
- Project Innobobal. Utiel-Requena, October 1st, 2019.

4.3.3 DiSAFA-UNITO

- 1st INNOSETA French Workshop and Networking Event, and Info-day on spaying in viticulture. Montpellier, June 18-19, 2019.
- INNOSETA National Workshop on field crop sprayers. Bari, October 11th, 2019.
- 1st Regional Workshop INNOSETA project H2020, XXXXEspiells (Barcelona). October 25th, 2019.

4.3.4 FISABIO

- LIFE-IRRILIFE Final Event. Valencia, November 19th, 2018.

4.3.5 IFV

- 1st INNOSETA French Workshop and Networking Event, and Info-day on spaying in viticulture. Montpellier, June 18-19, 2019.

4.3.6 IVIA

- Networking IVIA-TOPPS. Online, July 24th and 31st, 2020.
- Networking IVIA-TOPPS. Online, October 7th, 2020.

4.3.7 UMA-UPC

- Joves Agricultors i Ramaders de Catalunya (JARC) Vinseum Networking. Vilafranca del Penedès, November 30, 2018.

- 1st INNOSETA French Workshop and Networking Event, and Info-day on spaying in viticulture. Montpellier, June 18-19, 2019.
- UPC "Networking on EU projects". Zaragoza, March 1st, 2019.
- INNOSETA National Workshop on field crop sprayers. Bari, October 11th, 2019
- 1st Regional Workshop INNOSETA project H2020, XXXXEspiells (Barcelona). October 25th, 2019.
- 41st International Fair of Agricultural Machinery (FIMA). Zaragoza, February 24-28, 2020.

5 CONCLUSIONS

The dissemination plan aims at capturing and scheduling all dissemination-related activities of the project, which will support the expansion of users for the tools and techs promoted by the project and will increase public awareness of the new possibilities that are arising from the PERFECT LIFE project.

Reproducibility and transferability are two very important points to achieve for our objectives. To share all the knowledge and achievements gained during the project is essential for all the partners involved in the Consortium and will showcase the uniqueness of the PERFECT LIFE project.

The dissemination plan assists PERFECT LIFE partners by defining communication goals, objectives, and strategies with specified dissemination events to participate and dissemination activities to perform. The overall aim is to obtain a holistic procedure of replication consistent with the objectives of the PERFECT LIFE Project, which can be replicated in other citrus and wine-growing areas of the Mediterranean basin.