



COMMISSION I - Viticulture

**“VINE PROTECTION AND VITICULTURAL TECHNIQUES”
EXPERT GROUP**

Proceedings report of the 12th session

Date: 05/04/2024

Place: Hybrid format (Salle S10 Métropole, 40 Avenue du Drapeau,
21000 Dijon and Videoconference KUDO)

**SUMMARY SHEET OF THE WORK OF THE SUB-COMMISSIONS AND EXPERT GROUPS****Group of experts: « VINE PROTECTION AND VITICULTURAL TECHNIQUES »****Date: 05/04/2024****Number of experts present: 17 Presential – 45 Online****Number of Member States and Observers: 22 Member States - 0 Observers.****I/ Resolutions**

Document	Step	Subject	Follow up (step of the procedure)
VITI-PROTEC XXX	1	OIV recommendation to limit grapevine Flavescence dorée epidemics Presentation of Draft Resolution Step 1	The Italian Delegation presented the draft document, already discussed, and amended by the French and German Scientific Delegates. After an extended discussion, the President proposed to advance the Resolution at step 3. The project of Resolution moves forward to step 3
VITI-PROTEC- GENET XXX	1	Good practices in mother vines and nurseries Presentation of Draft Resolution Step 1	The French Delegation presented the draft document already discussed in the GENET Group, which proposed to forward it to PROTEC Group. The experts suggested to focus on the scope of the document facilitating international trade of plant material. After the fruitful discussion, the President proposed to advance the Resolution at step 3 The project of Resolution moves forward to step 3

II/ Ongoing actions

Document	Subject	Follow up (step of the procedure)
CI-PROTEC 2024- 04 4	Global phytosanitary and new diseases surveillance: Flavescence dorée Updating the Exp. Col. Doc.	The coordinator presented the state of knowledge on flavescence dorée as a collective expertise document, already in progress and recently updated. Such document should be ready to publish by the end of 2024 and the President proposed to the Group to mandate the eWG3 to complete a final version for publication.
CI-PROTEC 2024- 04 5	The European and Mediterranean Plant Protection Organisation (EPPO) Presentation by Mr. Camille Picard – Scientific Officer at EPPO	The invited speaker presented the topic and its International Organisation. The Secretariat informed the Group about the cooperation framework established between the OIV and the EPPO.

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CI-PROTEC 2024-04 6	Sustainable alternatives to the use of Cu in vitiviniculture Updating the Exp. Col. Doc.	The President and coordinator summarized the context and the guidelines for development the document. An OIV grant should be used to make an update of the state of the art. The eWG6 will advance the document based on the comments submitted before and during the meeting.
CI-PROTEC 2024-04 7	Technical criteria for reducing grapevine trunk diseases infection in nurseries Updating the Exp. Col. Doc.	The Secretariat presented the current state of the document. A comprehensive literature analysis was performed, nevertheless different positions arose by the experts of the eWG4. The Italian Delegation presented the motivations on which the opposition to the document publication is based (copy of the statements will be in annex of the extended report). The coordinator responded to the motivations, highlighting how this work is ongoing for many years. The French Delegation proposed to improve the overall document with specific regard to several practical aspects. Following an extended discussion, the Italian Delegation submitted a new project of Resolution on this topic. In conclusion such a project was approved and forwarded to the CST to be integrated in the OIV work program. The technical document is kept on hold for improvement for another year.
CI-PROTEC 2024-04 9	Technologies applied for precision viticulture Presentation by Prof. Paolo Balsari – Istituto Meccanica Agraria, Università di Torino (Italy)	The invited speaker presented the topic, by offering significant insights for the following point of the agenda.
CI-PROTEC 2024-04 10	Precision viticulture: definition and general criteria Updating the Exp. Col. Doc	The coordinator presented the first document draft, by remarking the need to better define the scope and the objectives according to the point of view of the PROTEC experts. To this aim the experts were requested to consider the involvement in the eWG7.
CI-PROTEC 2024-04 11	Berry sampling in vineyards Updating the Exp. Col. Doc.	The coordinator presented the first document draft. Considering the need to proceed with data collection, an OIV grant should be addressed for data gathering. Portuguese Delegation requested that all data solicitation need to be done officially through the national Delegations.
CI-PROTEC 2024-04 12	New approaches to vineyard protection strategies: biosolutions Presentation of Exp. Col. Doc.	The coordinator presented the first document draft. The new eWG11 will be activated after the meeting.
CI-PROTEC 2024-04 13	Use of biostimulants in viticulture	The Secretariat summarized the current state of the document as final version to be revised by the editorial committee.



	Presentation of the final Exp. Col. Doc.	The Portuguese Delegation requested to provide indications about the unevenness of the results included in the document and to integrate a note into the document. Afterwards the document will be edited for publishing this year.
CI-PROTEC 2024-04 14	OIV Research Grant “Grapevine resistance to fungal diseases: a solution to fungicide use and climate change” Presentation of the final report by Lenon Modesto	The research fellow presented the results of his study, by offering significant insights for the ongoing PROTEC actions.
	Communication by the OIV Secretariat	The Secretariat informed the Group about the organisation of the International Symposium on Grapevine Epidemic Diseases. Furthermore, The Secretariat also informed the Group about the request of the ampelographers of GENET Group to update the Resolution OIV-VITI 702-2023. The President requested to the Secretariat to coordinate a consultation of PROTEC expert in order to define an updated version of the Resolution.
	Proposal of topics for the OIV Grants 2025	Analysis of the cost-benefit of these preventive practices for GTD. Copper alternatives and regulatory. Berry sampling case studies.
	Proposal of new works	None.
	Any other busyness	The President addressed acknowledgements as it was his last session as PROTEC President, by highlighting that in the past 6 years, 7 Resolutions were adopted, 2 Resolutions are ongoing, 4 technical documents were published, and 2 draft documents are ongoing.

III/ Questions from the Strategic Plan

Ref SP	Theme and treatment	Follow up
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IV/ Request for additional information or opinion (statistics, economy, legal, technical, health)

Information	Source
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V/ Presentations other than point II

Author	Country	Subject	Follow up
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VI/ Items on the agenda for the next session (without prejudice to subjects which may be added later)

Author	Country	Subject	Follow up
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VII/ Other items

Author	Country	Subject	Follow up
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Date

Name and signature of the author of the proposal

05/04/2024

Mario De La Fuente
President of PROTEC GroupEnrico Battiston
Head of Unit Viticulture

**AGENDA¹****12th meeting****Friday, 5th April 2024 – 9.00 am to 6.00 pm (UTC+1) (Paris Time)****Hybrid format****(Salle S10 Métropole, 40 Avenue du Drapeau, 21000 Dijon and Videoconference KUDO)**

No.	Item	Working paper	No. OIV WP 2023	Time available
1.	Adoption of the agenda	CI-PROTEC 2024-04 OJ		5 min
2.	Approval of the statement of conclusions of the last expert group session	CI-PROTEC 2023-03 CR		5 min
3.	<u>Resolution at step 1</u> : OIV recommendation to limit grapevine Flavescence dorée epidemics	CI-PROTEC 2024-04 3	49.1	40 min
4.	Global phytosanitary and new diseases surveillance: Flavescence dorée <i>Updating the Exp. Col. Doc.</i>	CI-PROTEC 2024-04 4	49.2	40 min
5.	The European and Mediterranean Plant Protection Organisation (EPPO) <i>Presentation by Mr. Camille Picard – Scientific Officer at EPPO</i>	CI-PROTEC 2024-04 5	49.1/49.2	40 min
Coffee Break				20 min

¹ **Note:** Topics that delegations wish to add in accordance with the Work Program 2024, will be discussed under the item "proposals of works".

In that sense, the project presentation filled document must be returned to the OIV Secretariat with the working documents on the topic in question at least **15 days** before the date of the OIV meetings, so that the delegates and experts may read these carefully. Failing this, the subject will not be presented during the meeting.

Warning: Taking into account the logistical and technical imperatives linked to the organisation of videoconferences, delegates and experts who plan to provide a document or make a presentation in accordance with the agenda are requested to do so **no later than March 15, 2024**.

Otherwise, it will be technically impossible to share their document or presentation via the video conference system.

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6.	Sustainable alternatives to the use of Cu in vitiviniculture <i>Updating the Exp. Col. Doc.</i>	CI-PROTEC 2024-04 6	56	45 min
7.	Technical criteria for reducing grapevine trunk diseases infection in nurseries <i>Updating the Exp. Col. Doc.</i>	CI-PROTEC 2024-04 7	53	45 min
Lunch Break				90 min
9.	Technologies applied for precision viticulture <i>Presentation by Prof. Paolo Balsari – Istituto Meccanica Agraria, Università di Torino (Italy)</i>	CI-PROTEC 2024-04 9	197	30 min
10.	Precision viticulture: definition and general criteria <i>Updating the Exp. Col. Doc.</i>	CI-PROTEC 2024-04 10	197	30 min
11.	Berry sampling in vineyards <i>Updating the Exp. Col. Doc.</i>	CI-PROTEC 2024-04 11	52	30 min
Coffee Break				20 min
12.	New approaches to vineyard protection strategies: biosolutions <i>Presentation of Exp. Col. Doc.</i>	CI-PROTEC 2024-04 12	260	30 min
13.	Use of biostimulants in viticulture <i>Presentation of the final Exp. Col. Doc.</i>	CI-PROTEC 2024-04 13	64	10 min
14.	OIV Research Grant “Grapevine resistance to fungal diseases: a solution to fungicide use and climate change” <i>Presentation of the final report by Lenon Modesto</i>	CI-PROTEC 2024-04 14		20 min
15.	Communication by the OIV Secretariat			10 min
16.	Proposal of topics for the OIV Grants 2025			10 min
17.	Proposal of new works			10 min
18.	Any other business			10 min



EXTENDED REPORT

1. Adoption of the agenda

The Expert Group President Dr. Mario de la Fuente opened the session with presence of the Vice-President, Dr. Serge Fisher, the on-line presence of the Secretary, Dr. Elisa Angelini, the presence of the Head of Unit Viticulture, Dr. Enrico Battiston, and 62 Delegates and Experts from 22 member States.

2. Approval of the statement of conclusions of the last expert group session

The summary of the conclusions for the 11th session of the PROTEC Expert Group was unanimously approved.

3. Review of the preliminary and provisional draft resolutions

3.1. VITI-PROTEC XXX - OIV recommendation to limit grapevine Flavescence dorée epidemics

- 3.1.1. The Italian Delegation presented the draft document, already discussed, and amended by the French and German Scientific Delegates.
- 3.1.2. Vittorino Novello (ITA) questioned that no consideration seems to be made of Flavescence dorée (FD) in table grapes. Are they not susceptible?
- 3.1.3. Antonio Graça (PRT) called the attention to the fact that the document does not address the difficulty of avoiding false negative results from the uneven spread of the phytoplasma in plants. This may under-detect contaminations.
- 3.1.4. Elisa Angelini (ITA) responded that table grapes are susceptible, the lack of mention is because so far areas of table grapes have not been detected with FD. The methodologies to consider an area as FD-free should be improved to avoid false negatives due to uneven spread of the phytoplasma in plants. This should be included in the document.
- 3.1.5. Mario de la Fuente (ESP) suggested that FD in areas of table grapes should be a possible work for SCRAISIN.
- 3.1.6. Michele Borgo (ITA) confirmed no grapevine is safe from FD, wine, table or other.
- 3.1.7. Louis Peres de Sousa (PRT) agreed to launch a survey regarding FD in table grapevines.
- 3.1.8. Luigi Bavaresco (ITA) questioned if there are other curative methods than HWT.
- 3.1.9. Elisa Angelini (ITA) responded that some disinfectants are under study but not very promising.



3.1.10. The Group decided to move the project of resolution to step 3.

3.2. VITI-PROTEC XXX - Good practices in mother vines and nurseries

3.2.1. The French Delegation presented the draft document already discussed in the GENET Group, which proposed to forward it to PROTEC Group. Laurent Mayoux (FRA) stressed the scope of the document is facilitating international trade of plant material.

3.2.2. Michele Borgo (ITA) called attention to the resolution OIV-VITI 565-2022, in which fundamental and commercial definitions were established for international trade. At the time there were doubts between commercial and scientific exchange of material. Raised consideration of updating such resolution instead of making a new resolution.

3.2.3. Laurent Mayoux (FRA) reminded that when working on the resolution OIV-VITI 565-2022 it was decided to not include the placement of material in the field. The idea of this project is to complete that resolution in a complementary fashion.

3.2.4. The Group decided to move the project of resolution to step 3.

4. Ongoing Actions

4.1. Global phytosanitary and new diseases surveillance: Flavescence dorée - Updating the Exp. Col. Doc.

4.1.1. The coordinator presented the state of knowledge on flavescence dorée as a collective expertise document, already in progress and recently updated.

4.1.2. The Secretariat informed that the project of resolution will take at least 2 years. The revision of the collective expertise document should be ready to publish by the end of 2024.

4.1.3. Michele Borgo (ITA) questioned on the existence of works supporting the risk assessments included in point 3.2 of the document, namely the infection of propagation material contaminating areas free of the disease.

4.1.4. Elisa Angelini (ITA) it is both a very difficult situation to demonstrate or exclude.

4.1.5. Antonio Graça (PRT): there is indeed a document from EFSA supporting that way of contamination.

4.1.6. Michele Borgo (ITA) insisted that there is no experimental demonstration of contamination from nurseries.

4.1.7. The Secretariat stressed the required rules of procedure stating that all experts should state and conflict of interest.

4.1.8. Mario de la Fuente (ESP) highlighted that the main work is concluded, the document will be finalized, conflicts of interest should be stated and no direct mention to groups of interest.



4.1.9. The Group mandated the eWG3 to complete a final version for publication.

4.2. The European and Mediterranean Plant Protection Organisation (EPPO) - Presentation by Mr. Camille Picard – Scientific Officer at EPPO

4.2.1. The invited speaker presented the topic and its International Organisation.

4.2.2. The Secretariat informed the Group about the cooperation framework established between the OIV and the EPPO.

4.3. Sustainable alternatives to the use of Cu in vitiviniculture - Updating the Exp. Col. Doc.

4.3.1. The President and coordinator summarized the context and the guidelines for development the document. An OIV grant should be used to make an update of the state of the art.

4.3.2. Vittorino Novello (ITA) remarked that it is important to consider OIV works done about copper.

4.3.3. Michele Borgo (ITA) questioned who the users of this document are? Organic viticulture has a real problem, but conventional viticulture is not affected in the same way.

4.3.4. Jaques Grosman (FRA) reminded that conventional viticulture also uses copper because of personal and social aversion to synthetic substances. The way copper is used, doses, use over several years, fractionating doses, etc. should be considered.

4.3.5. Juan Del Aguila (BRA) supported the scope of the document for all types of viticulture.

4.3.6. Antonio Graça (PRT) called the need to consider the harmonization of regulatory across member states for trialing alternative substances and the need for raising the qualification of farmers to use state of the art technologies that may reduce copper application.

4.3.7. Luis Peres de Sousa (PRT) observed the need to consider the overall production system namely biodiversity in soil and in the ecosystem, implement a holistic view of plant protection.

4.3.8. The eWG6 will advance the document based on the comments submitted before and during the meeting.

4.4. Technical criteria for reducing grapevine trunk diseases infection in nurseries - Updating the Exp. Col. Doc.

4.4.1. The Secretariat presented the current state of the document. A comprehensive literature analysis was performed, nevertheless different positions arose by the experts of the eWG4.

4.4.2. Michele Borgo (ITA) stated that Italian Delegation do not accept the publication of an OIV collective expertise document as proposed by the WG: the title is not right, it is



not the place of the OIV experts to specify technical criteria, this should be done in a resolution. The document has been continually modified and never did specify the intended public: nurseries. He proposed, in replacement of this document, a project of resolution to provide guidelines for nurseries of practices meant to reduce damages from GTD. He certified that no members of the Italian Delegation have any conflict of interests regarding the nursery industry and moves to remove any mention of such a situation.

- 4.4.3. Mario de la Fuente (ESP) agreed that any part of the document is damaging for any part of the sector, it should be removed and asked the Italian Delegation to propose which parts of the document are in such situation. A resolution project that is laterally associated with this subject has been proposed by the French Delegation in GENET and PROTEC.

If the Italian Delegation wants to present a resolution, should do it by the proper way. In any case, there is no reason the document should not be approved or published.

- 4.4.4. Laurent Mayoux (FRA) considered the Italian proposal of new resolution not acceptable but remain open to fine-tune the document to suit Italian sensitivity. He understood that it is of value to recognize the research having been done on GTD and nurseries, what would be the role of the OIV. The French IFV has 20 years' experience of producing propagation material, that experience leading to have a critic regard on the real effect of nursery practices on the protection of grapevines against GTD, namely because of verified absence of effects in the lifespan of grapevines over more than 10 years. No difference was verified between plants subjected to those protective measures and others who were not, field recontamination overcoming any protective effects of such measures. He suggested that the preventive measures are added a small paragraph observing the limiting effect of contamination but without any guarantees that once planted those plants are more protected than others. A deeper cost-benefit analysis is essential before a proactive fostering of those practices.
- 4.4.5. Hans Schultz (DEU) considered the document to be quite balanced without prejudice to being improved. If there are technologies not used today, does not mean they should be excluded. Estimates in Germany show that 1/3 of the total vineyard area have latent infections and so, every bit of contribution is worthwhile.
- 4.4.6. Luis Peres de Sousa (PRT) supported the publication of the document and moved for a grant proposal to be attributed for an analysis of the cost-benefit of these preventive practices.
- 4.4.7. Michel Borgo (ITA) questioned the proposal of measures. Who are the proponents of these measures? He proposed that the OIV should be the proponent of measures, and not a citation of measures proposed by scientific literature. Italian Delegation will not support the document if measures are proposed.
- 4.4.8. Vittorino Novello (ITA) did not understand why a CED cannot be followed by a resolution. He considered the document places to much blame in nurseries and those passages should be removed. Nurseries should take their share of responsibility together with all other actors of the sector. He suggested that a work of resolution should follow.



- 4.4.9. Mario de la Fuente (ESP) remarked that there is no reason for not working on a new resolution, it just suffices that Italian Delegation formalizes its presentation. Thinks a new eWG should be created to work on improving the existing document.
- 4.4.10. The Secretariat asked Michele Borgo to write his comments for fidelity of reproduction in the minutes.
- 4.4.11. Luis Peres de Sousa (PRT) suggested that the CED should not wait for the resolution and should be published as soon as ready.
- 4.4.12. Vittorino Novello (ITA) asked for an OIV grant for studying this issue.
- 4.4.13. Michele Borgo (ITA) confirmed that the resolution proposal will be submitted within the same day by the Italian Delegation.
- 4.4.14. Mario Pecile (ITA) stated that the Italian nursery industry does not agree with the document's text nor with its publication under the OIV. It requires an improvement of the text and the onset of a resolution work.
- 4.4.15. The document is kept on hold for improvement for another year. The resolution will start after being submitted by the Italian Delegation and the approval in the OIV Work Program 2025.

4.5. Technologies applied for precision viticulture - Presentation by Prof. Paolo Balsari - Istituto Meccanica Agraria, Università di Torino (Italy)

- 4.5.1.. The invited speaker presented the topic, by offering significant insights for the following point of the agenda.

4.6. Precision viticulture: definition and general criteria - Updating the Exp. Col. Doc.

- 4.6.1. The coordinator presented the first document draft, by remarking the need to better define the scope and the objectives according to the point of view of the PROTEC experts. To this aim the experts were requested to consider the involvement in the eWG7
- 4.6.2. Antonio Graça (PRT) remarked that the document should also include a review of uses and limitations of each technology for user information. He confirmed the availability to integrate the eWG.
- 4.6.3. Benjamin Bois (FRA) suggested that some technologies are outdated and should be considered as the relevance they have against more modern ones. A disclaimer with the date of the last document update would be advisable.

4.7. Berry sampling in vineyards - Updating the Exp. Col. Doc.

- 4.7.1. The coordinator presented the first document draft. Considering the need to proceed with data collection, an OIV grant should be addressed for data gathering.



- 4.7.2. Mario de la Fuente (ESP) remarked that it is necessary to gain data from the private sector about the use of different methods. Agreed with the proposal to get an OIV scholarship address data gathering or a Focus document by OIV secretariat.
- 4.7.3. Luis Peres de Sousa (PRT) demanded that all data solicitation is done through the national delegations.
- 4.7.4. Andrea Pitacco (ITA) proposed to get a harmonized form to gather data.
- 4.7.5. Antonio Graça (PRT) proposed to instead of getting wider data to study to make 2-3 case studies (coop, small producer, large company) to typify and feed the document.

4.8. New approaches to vineyard protection strategies: biosolutions - Presentation of Exp. Col. Doc.

- 4.8.1. The coordinator presented the first document draft. The new eWG11 will be activated after the meeting.

4.9. Use of biostimulants in viticulture - Presentation of the final Exp. Col. Doc.

- 4.9.1. The Secretariat summarized the current state of the document as final version to be revised by the editorial committee.
- 4.9.2. Luis Peres de Sousa (PRT) remarked that the document does not provide any indication about the unevenness of the results included in the document. A note should be included.
- 4.9.3. Elisa Angelini (ITA) agreed and requested the amendment.

4.10. OIV Research Grant “Grapevine resistance to fungal diseases: a solution to fungicide use and climate change” - Presentation of the final report by Lenon Modesto

- 4.10.1. The research fellow presented the results of his study, by offering significant insights for the ongoing PROTEC actions.
- 4.10.2. Michele Borgo (ITA) confirmed that some of the referred varieties have demonstrated a very high susceptibility to anthracnose.

5. Communication by the OIV Secretariat

- 5.1. The Secretariat reported on the current situation of the resolution OIV-VITI 702-2023 namely on dispositions regarding changing from the pathogen name to the disease name. EPPO, however, is using pathogen names and not disease names. It is possible to evaluate the document after delegation revision in the commission meeting in October 2024. Michele Borgo (ITA) suggested to abandon the table of diseases. The President requested to the Secretariat to coordinate a consultation of PROTEC expert to define an updated version of the Resolution.



6. Proposal of topics for the OIV Grants 2025

- 6.1. Analysis of the cost-benefit of these preventive practices for GTD.
- 6.2. Copper alternatives and regulatory.
- 6.3. Berry sampling case studies.

7. Any other business

The President addressed acknowledgements as it was his last session as PROTEC President, by highlighting that in the past 6 years, 7 Resolutions were adopted, 2 Resolutions are ongoing, 4 technical documents were published, and 2 draft documents are ongoing. The President of PROTEC Group, after having invited the Experts for any other business, closed the 11th PROTEC Group meeting.