



NOVATERRA

Final Conference

26-27/06/2024



The NOVATERRA project has received funding from the European Commission's Horizon 2020 Grant Agreement Number 101000554.





**WP1 – Initial diagnoses for a holistic picture
of the contentious pesticides use-impact and
alternatives acceptance.
Establishment of support committees**



REVIEW PESTICIDE USE AND EU LEGISLATION

Assess the use and impact of pesticides on olive groves and vineyards and update trends in EU legislation.



ENGAGE STAKEHOLDERS

Establish a network to engage and connect stakeholders



ASSESS FARMER- CONSUMER NEEDS

Diagnose the needs, acceptance and adoption of technological use and innovative solutions



FORM A SOCIAL SCIENCES, HUMANITIES, AND ETHICS COMMITTEE

Review and analyze the project's ethical and social impacts



REVIEW PESTICIDE USE AND EU LEGISLATION

Assess the use and impact of pesticides on olive groves and vineyards and update trends in EU legislation.



MARKET STUDY

Comprehensive market study on the use and non-use of pesticides in olivegroves and grapevines.



LEGAL WATCH

Analysis of pesticide regulations in the EU for olive groves and vineyards to identify critical gaps and challenges



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WP1 Overview

T1.1 General study on the use and impact of contentious pesticides and EU update regulation



Objective

Shed light on practices concerning the use of PPP and initiatives to improving these practices.

PART 1:

Quantitative inventory of the consumption of PPP in vine and olive crops.

Includes:

- Data collected by Institutions, from countries included in the scope of the NOVATERRA project,
- Data analysis and exploitable limits with traditional indicators

PART 2:

Overview of initiatives for the dissemination of good practices within farming communities and their ecosystem.



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PART I: PPP Use

- Too little data and disparities (types of data available, measurement methodologies) from one country to another
- Dissemination networks are developing initiatives at regional, national and European scales.

PART II: Knowledge dissemination networks

- **Collective initiatives** launched to support the dissemination of agricultural innovations and good practices are **not equal between countries**.
- Knowledge dissemination actors and channels **must remain clear and easy to access to farmers**
- **Stakeholders** from all concerned countries are **involved in European structuring projects**

GENERAL CONCLUSIONS

- Region-related and time-related climate factors can alter the need for PPPs use depending on the presence of enemies, pathogens, etc.
- **Lack of data and data consistency.**
- Potential stakeholders will have to cope with collecting and exploiting more local and precise data at farm level
- Challenges: GDPR consideration and investment needs to collect, store and use the data



WP1 Overview

T1.1 General study on the use and impact of contentious pesticides and EU update regulation



Recommendations

Support **data collection projects at farm level** as well as funding for storing data.

Create **guidelines and training** for data collection across Europe considering local constraints (language barriers...)

Support **development of dissemination initiatives** by creating **synergies between countries** that have advanced dissemination actions and countries lacking these initiatives.



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LEGAL
WATCH



Regulatory framework

- EU Member States share competence in agriculture and environment.
- Marketing regulations for plant products vary based on their function (destroy, protect, nourish, reinforce).

Focus on Pesticides

- Approval and marketing of pesticides
 - EC approves active substances
 - Member states authorize market release of products



Active substances in PPPs

- Basic substances: low-risk, often multi-purpose
- Low-risk substances: approved for 15 years
- Substances candidate for substitution: approved for 7 years



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LEGAL
WATCH



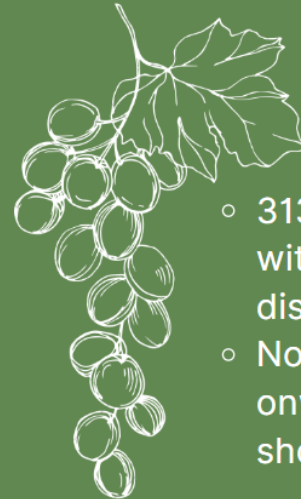
PPP Regulation 2021-2023

- Regulatory framework for PPPs remained the same
- Several substances faced withdrawal or non-renewal due to safety concerns or lack of required data
- As soon as the approval of certain molecules is not renewed, the manufacturing companies concerned lodge appeals to contest these decisions.
- European courts prioritized health and environmental risks over economic interests of manufacturers and distributors, rejecting appeals against non-renewal decisions
- In 2022 and 2023, approval periods for several active substances were extended due to delays in evaluation

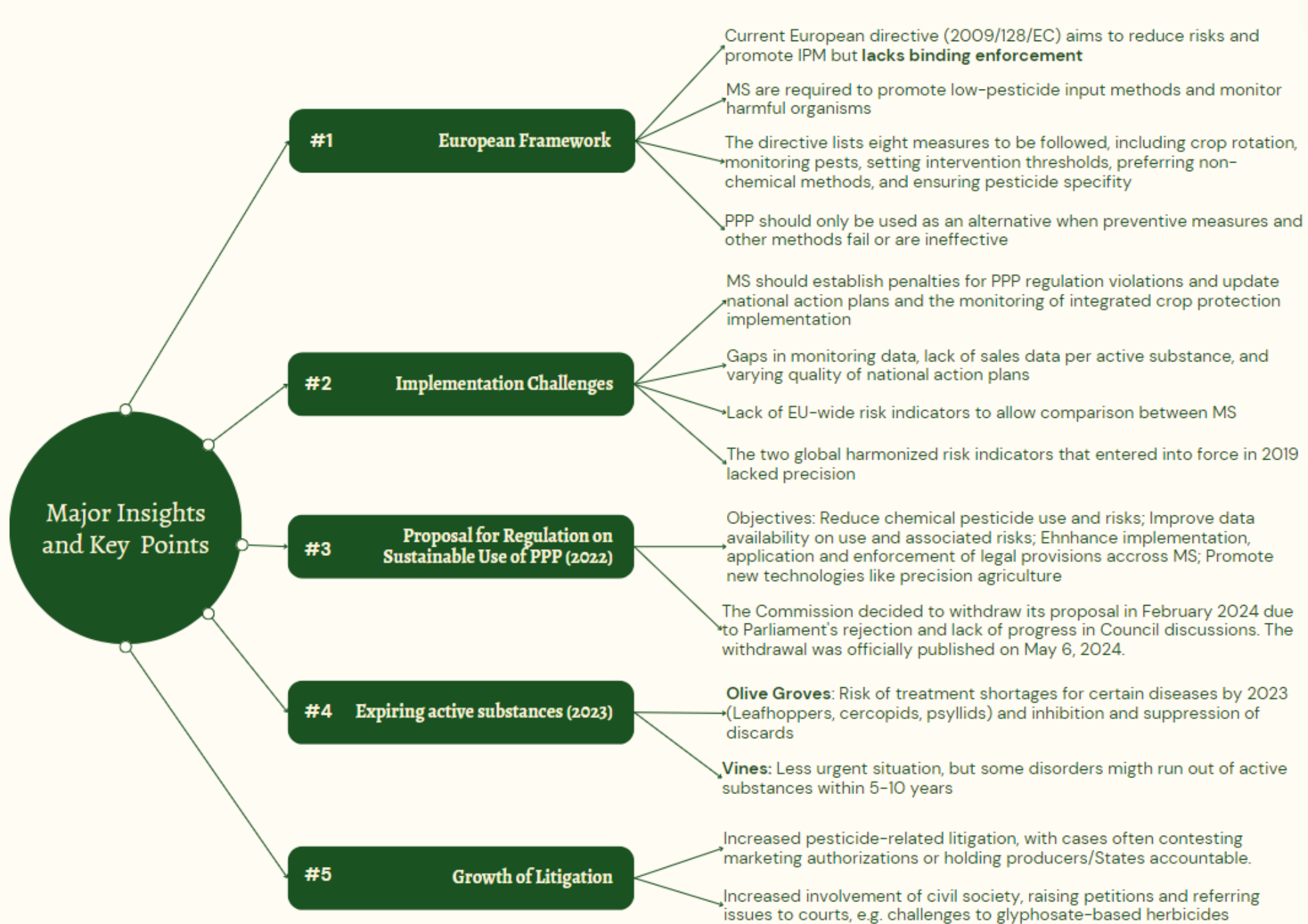
Approved active substances for olive groves and vineyards



- 54 active substances identified, with only 30 still approved by mid-2023
- Main uses: Phytophagous caterpillars, weed control, foliage diseases
- Regulatory shift: more non-approved substances than approved ones by 2023, indicating potential shortages



- 313 active substances identified, with 156 approved for 38 disorders
- Notable non-renewals from 2024 onwards, suggesting potential shortages in PPPs



WP1 Overview

T1.1 General study on the use and impact of contentious pesticides and EU update regulation



LEGAL
WATCH

Recommendations

1

Develop uniform guidelines for the implementation of IPM principles to minimize ambiguities and provide clear criteria for compliance

2

Enhance monitoring and reporting system to track pesticide usage, compliance with IPM principles and the effectiveness of pest control measures

3

Develop detailed, harmonized risk indicators

4

Establish enforcement mechanisms for non compliance



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WP1 Overview

T1.2 Stakeholder Network establishment. Stakeholder Advisory Committee Constitution



ENGAGE STAKEHOLDERS

Establish a network to engage
and connect stakeholders

UPDATE	March 2022	October 2022	February 2023	November 2023	June 2024
Official stakeholders (Consent form signed)	21	39	44	91	94
Expressed interest	26	24	28	131	134



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WP1 Overview

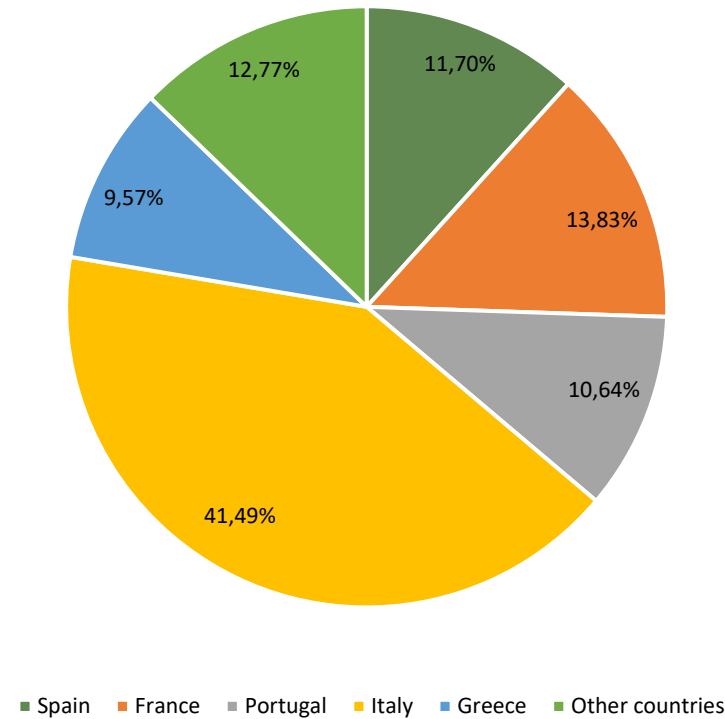
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ENGAGE STAKEHOLDERS

Establish a network to engage
and connect stakeholders

Stakeholders



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WP1 Overview

T1.3 Evaluation of stakeholder's needs, acceptance and trends



ASSESS FARMER- CONSUMER NEEDS

Diagnose the needs,
acceptance and adoption of
technological use and
innovative solutions

Objective

Conduct a diagnosis of farmer-consumer
needs and acceptance of technological use

Main output

Deliverable 1.4
Report and diagnosis on stakeholders'
needs, acceptance, and trends



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WP1 Overview

T1.3 Evaluation of stakeholder's needs, acceptance and trends



The Report focuses on the end-users of the project's solutions to identify the barriers that hinder the adoption of technological/technical solutions



Literature Review - aspects influencing adoption

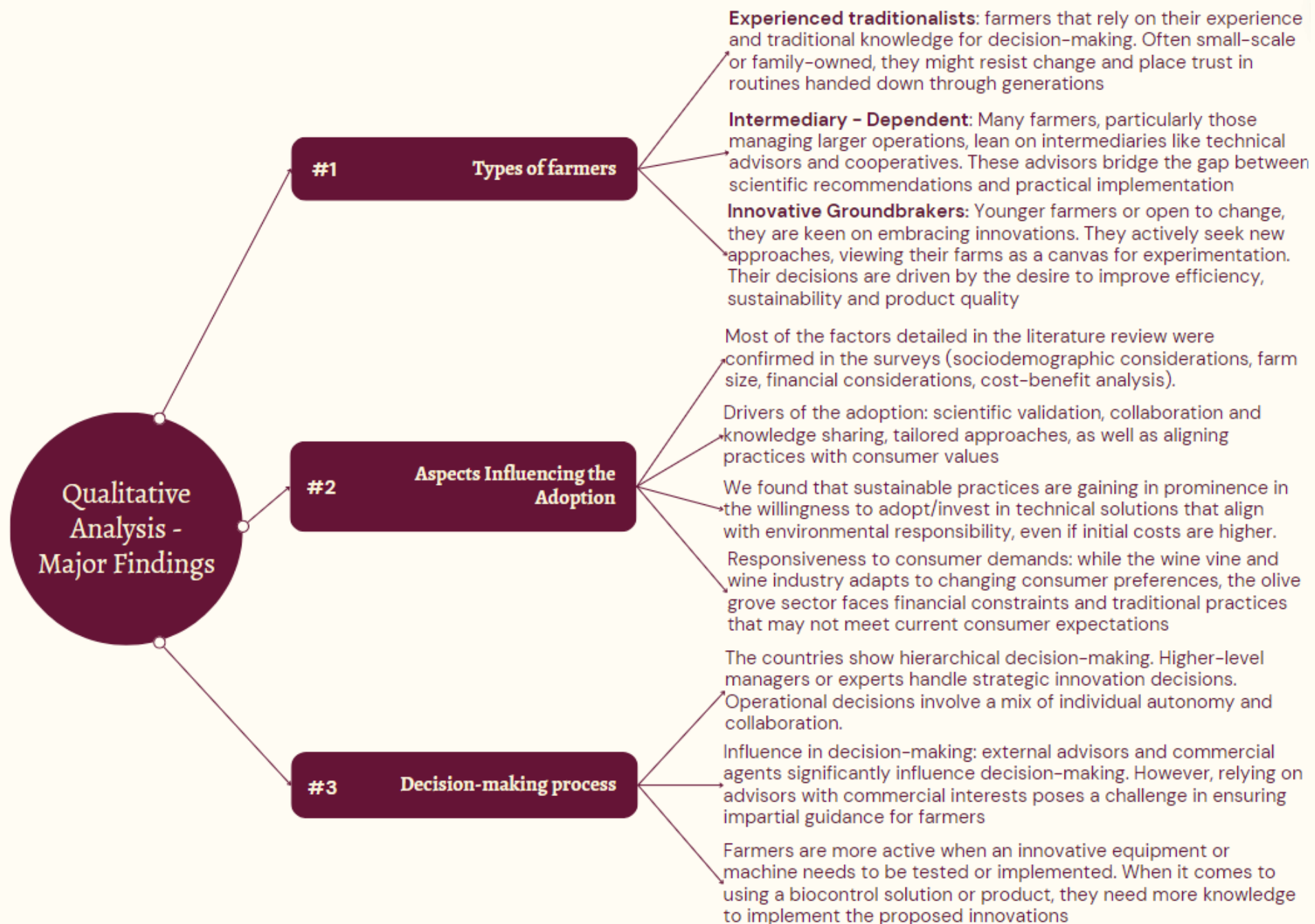
- Farm size
- Cost reduction/higher revenue
- Land tenure
- Farmer's education
- Access to information
- Perception of complexity
- Farmers that have used innovations are highly influential



Pre-Survey - Qualitative analysis of the results

- A total of 11 online surveys were conducted with relevant stakeholders in France, Greece, Spain and Portugal.





WP1 Overview

T1.3 Evaluation of stakeholder's needs, acceptance and trends

General Recommendations

1

Develop financial support programs or incentives to offset the initial costs of adopting new technologies

2

Set up cost-effective innovation trails to test and assess innovative technologies without incurring substantial expenses

3

Implement educational programs, workshops, and knowledge-sharing platforms to disseminate information about new and improved methods

4

Foster a culture of informed decision-making by providing training and resources to all producers, regardless of the size of their operations. Additionally, promoting knowledge sharing between large and small farms

5

Develop guidelines and standards for external advisors to ensure impartial advice and provide resources for farmers to validate recommendations independently



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Thank you for your attention!



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