EUROPEAN HEALTH AND DIGITAL EXECUTIVE
AGENCY (HADEA)
Department A Health and Food Unit A2 EU4Health/SMP

Single Market Programme (SMP Food)

Activities of the EU Reference Laboratories and EU Reference Centres in 2025-2027

SMP-FOOD-2025-EURL-EURC-PJG-IBA 2025-2027

SUBMISSION FORM: DESCRIPTION OF THE ACTION

(Annex 1 – Description of the action (part B))

SMP-FOOD-2025-EURL-EURC-PJG-IBA 2025-2027

Activities of the EU Reference Laboratories and EU Reference Centres in 2025-2027

Applicant shall provide information on each question contained in the Form.

The **information** filled in the Form, **shall be clear, concise, consistent and complete**.

For questions on the information requested in this Form, please contact: HADEA-EURL@ec.europa.eu

For questions on the eGRANTS Portal Submission System, please contact the IT Helpdesk.

Applicant - COORDINATOR (Name of EURL)	EU Reference Laboratory for Pesticides requiring Single Residue Methods located at the CVUA Stuttgart Schaflandstr. 3/2 70736 Fellbach Germany Phone: #49-711-1124
Topic	**Pesticides requiring Single Residue Methods**
Implementation period	**01/01/2025 – 31/12/2027**

CONTACT PERSON for the programme:

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Contents

1. LIST OF ABBREVIATIONS AND KEY WORDS

AO	Food of Animal Origin (related to the EURL-AO)
AQC-Document	Document SANTE/11312/2021v2 on "Analytical Quality Control and Method Validation Procedures for Pesticide Residues Analysis in Food and Feed"
CF	Cereals and Feeding Stuff (related to the EURL-CF)
DAR	Draft assessment report
DB	Database
DTC	Dithiocarbamate fungicides
EUPT	European Union Proficiency Test
EURL	European Reference Laboratory
FV	Fruits and vegetables (related to the EURL-FV)
H1 / H2	H1 stands for the first half of a calendar year and H2 for the second half
Horiz. Activ.	Horizontal Activity to be conducted by the EURL-SRM on behalf of and for the benefit of all four EURLs of the pesticides cluster
ILIS	Isotopically-labelled internal standard
LOD	Limit of detection
LOQ	Limit of quantitation
MACP	Multi-annual Control Program for Pesticides (related to e.g. Reg. (EU) 2022/741, Reg. (EU) 2023/731,….)
MFL	Method Finder List
MRL	Maximum Residue Limit (according to Reg. (EC) No. 396/2005)
MRM	Multi-Residue Method
NAS	New active substances
NCP-WD	Working document for the planning of national control programs of EU member states
NRL	National Reference Laboratory
OfL	Official laboratory
PFAS	Polyfluoroalkyl-containing active substances
PT	Proficiency test
Q1/Q2/Q3/Q4	Q1 stands for the first quarter (the first trimester) of the year, Q2 for the second and so on.
RAR	Renewal assessment report
SRM	Single Residue Method (typically referring to methods covering pesticides not amenable to MRMs (see above))
TFA	Trifluoroacetic acid
TPL	Target Pesticide List (concerning EUPTs)
WD-NCP	Working document on pesticides to be considered for inclusion in the national control programmes (SANCO/12745/2013 in its current revision)

2. INTRODUCTION

Regulation (EU) 2017/625 - Article 94(2)

European Union reference laboratories designated in accordance with Article 93(1) shall be **responsible for the tasks** described under section 3 below, insofar as they are included in the reference laboratories' annual or multiannual work programmes that have been established in conformity with the objectives and priorities of the relevant work programmes adopted by the Commission in accordance with Article 16 of Regulation (EU) No 2021/690.

3. WORK PACKAGES

3.1. Work Package 1 - AVAILABILITY AND USE OF HIGH-QUALITY METHODS

Objectives: TO ENSURE AVAILABILITY AND USE OF HIGH-QUALITY METHODS AND TO ENSURE HIGH QUALITY PERFORMANCE BY NRLs

- *Art. 94.2.a Providing national reference laboratories with details and guidance on the methods of laboratory analysis, testing or diagnosis, including reference methods.*
- *Art. 94.2.b Providing reference materials to national reference laboratories*
- *Art. 94.2.c Coordinating the application by the national reference laboratories and, if necessary, by other official laboratories of the methods referred to in point (a), in particular, by organising regular inter-laboratory comparative testing or proficiency tests and by ensuring appropriate follow-up of such comparative testing or proficiency tests in accordance, where available, with internationally accepted protocols, and informing the Commission and the Member States of the results and follow-up to the inter-laboratory comparative testing or proficiency tests.*
- *Art. 94.2.l Where relevant for their area of competence, cooperate among themselves and with the Commission, as appropriate, to develop methods of analysis, testing or diagnosis of high standards.*

Sub-activity 3.1.1 **Provide NRLs with details and guidance on the methods of laboratory analysis, testing or diagnosis, including reference methods**

Objectives: Provide visitors of the joint portal website and the specific EURL-SRM website with up-to-date information of interest and in particular access to analytical methods.

Description: In 2025, 2026 and 2027, the joint portal-website and the individual web-site of the EURL-SRM will be gradually filled with new information (e.g. method protocols, workshop reports, EUPT-reports etc.). Existing links, overview-sites as well as documents will be updated. Where necessary, new pages or features will be gradually added considering the needs and suggestions by DG-SANTE, the EURLs and the lab-Network.

Expected Output: New or updated websites under www.eurl-pesticides.eu or documents linked within these websites. Exemplary sites/documents to be created or updated by the EURL-SRM in 2025, 2026 and 2027: Joint Annual EUPT-Calendars (Horiz. Activ.); Joint Annual Workshop Calendar (Horiz. Activ.); Joint site on Monitoring (Horiz. Activ.); EUPT-SRM Websites for each of the EUPTs organised in 2025, 2026 and 2027; List of Analytical Observation Reports (concerning SRM compounds); List of Residue Observation Reports (concerning SRM compounds); List of Method Reports (concerning SRM compounds); List of Sources of Analytical Standards (Horiz. Activ.).

Duration: throughout 2025, 2026 and 2027

Sub-activity 3.1.2 **Follow up on requests from NRLs for providing analytical standards**

Objectives: Facilitate the expansion of the analytical scope of NRLs by providing them with analytical standards.

Description: Where NRLs have difficulties expanding their scope, due to the non-availability in the market of analytical standards of pesticides and metabolites or of isotopically labelled internal standards (ILISs), the EURL-SRM will be offering, upon request, stock or working solutions, so far these are available in sufficient amounts. The synthesis of ILISs for chlorate and phosphonic acid and their distribution to labs will be continued with both NRLs and OfLs being served.

In addition the EURL-SRM will be updating as required the list of providers of analytical standards to facilitate the retrieval of new or hard-to find analytical standards.

Expected Output: List of analytical standards distributed to NRLs and OfLs, where this is requested and feasible. List of providers of analytical standards (see 3.1.1).

Duration: throughout 2025, 2026 and 2027

Sub-activity 3.1.3 **Analysis of official samples**

Objectives: Analyse samples in case of disputes

Description: The EURL-SRM will conduct any analyses this concerning requested by DG-SANTE and will ask DG-SANTE for approval of any activity this regarding requested by member states. Should this activity require extensive resources and adjustment of the work-program (or additional budget), this will be requested.

Expected Output: List and results of sample analyses (if required and only after consultation with DG-SANTE).

Duration: Unpredictable

Sub-activity 3.1.4 **Organisation of proficiency tests and follow-up on the results**

EU Proficiency Tests EUPT-SRM20 (in 2025), EUPT-SRM21 (in 2026) and EUPT-SRM22 (in 2027)

Objectives: Give labs the possibility to check and demonstrate their proficiency when applying routine or newly established methods for the analysis of pesticide residues in matrices that are still to be defined. Help labs localize sources of errors and provide assistance for eliminating these errors.

Description: The commodities for the EUPT-SRM20, -21 and -22 are still to be defined in consultation with the EUPT-Scientific Committee. In all three PTs, the analytes to be targeted will be carefully selected in cooperation with the EUPT-Scientific Committee, considering various aspects, such as the scope of the MACP and the NCP-WD, the relevance of pesticides to the commodity/commodity group, the capabilities of the labs and other analytical aspects. In each EUPT, preliminary experiments will be conducted to choose the most suitable way of preparing the PT-material. The EUPT-materials will be prepared portioned and thoroughly tested if they are fit for the purpose in terms of homogeneity and stability. These quality tests require extended analytical work due to the use of multiple extraction, reaction and measurement methods to cover the multitude of SRM-compounds in the target list. Many of the analytes being focused in EUPT-SRMs are analytically challenging. The material will be properly packed (often with the use of dry ice) and distributed to the participating labs for analysis. The data-collection tool will be adjusted to each EUPT so that it entails all target analytes and all fields required for the collection of methodology data. The results received in each PT will be evaluated and the preliminary as well as the final reports will be prepared and distributed, in consultation with the EUPT-Scientific Committee. Preparation, portioning and suitability testing of the EUPT materials for the three EUPT-SRMs in 2025, 2026 and 2027 and distribution to participating labs. Preparation of EUPT Website and of all necessary documents for the PT (invitation, target list, specific protocol). Evaluation of results, preparation and distribution of the respective preliminary report within ~4 weeks after the deadline of the PT data submission and of the respective final EUPT-report as well as the participation certificates. Preparation of a Powerpoint presentation of each EUPT, which will be presented during the annual Meetings of EUPT-Scientific Committee as well as during the annual NRL workshops, in updated form.

Expected Output: 3 Proficiency Test preliminary reports (EUPT-SRM20 in 2025, EUPT-SRM21 in 2026 and EUPT-SRM22 in 2027) and 3 PowerPoint presentations (of each EUPT).

Duration: For the EUPT-SRM19 (in 2024, see in the previous Working Programme 2023-2024), the final report and certificates will be placed online for all participants throughout H1 2025.
For the EUPT-SRM20 (in 2025), preparation of documents, samples and shipment, drafting and distribution of the preliminary report within H1 2025. Final Report and Certificates will be made available online for all participants throughout H1 2026.
For the EUPT-SRM21 (in 2026), preparation of documents, samples and shipment, drafting and distribution of the preliminary report within H1 2026. Final Report and Certificates will be made available online for all participants throughout H1 2027.
For the EUPT-SRM22 (in 2027), preparation of documents, samples and shipment, drafting and distribution of the preliminary report within H1 2027.

Coordinate the updating of data regarding the official status and commodity scope of all EU-OfLs and NRLs within the DataPool, define labs obliged to participate in each PT and enable smooth transfer of participants data to the EUPT-WebTool (Horiz. Activ.)

Objectives: Make sure, that the information on contact persons, official status and commodity scope of OfL/NRL within the network is up-to-date before starting the registration period of each PT. This

information is used to define which laboratories will be considered obliged to participate in all EUPTs organized by the four EURLs each year. Currently, this concerns 56 NRLs and 202 OfLs within the EU (in total: 258 labs), but these numbers fluctuate over the years. Provide assistance to labs requiring help in updating lab-specific data or registering for EUPT participation as well as to all NRLs requiring assistance in administering the data of their OfL network. Ensure smooth and uniform registration of laboratories for those EUPTs. Enable export of EUPT-participant's information in the format required by the EUPT WebTool run by the EURL-CF.

Description: The EURL-SRM will ask OfLs / NRLs to access their lab area within the EURL DataPool and to update the information concerning the commodity types covered within the framework of official controls + contact persons. In parallel, NRLs will be asked to confirm the information entered by the labs within their network. Assistance will be provided to OfLs and NRLs to make sure data updates run smoothly. Based on the (confirmed) commodity-scope of each OfL and additional comments provided by the labs, the EURL-SRM will define, for all EUPTs organized by the EURLs in 2025, 2026 and 2027, the EUPT-participation status (obliged/not obliged). This information will be made accessible to OfLs/NRLs when entering the EUPT Registration Tool via www.eurl-pesticides-datapool.eu. Labs deciding not to participate in a specific EUPT for which they are obliged to participate, will be asked to provide explanations. NRLs will be asked to cross-check the registrations of their network's labs and to contact OfLs having failed to register. The four EURLs will be asked to download, from the EURL DataPool, the list of labs having registered, and submit it to the programmer of the EUPT data submission tool run by the EURL-CF.

Expected Output: EURL DataPool updated (in Q1 2025, Q1 2026 and Q1 2027) as regards information on lab status and the commodity scope of all EU-NRLs/OfLs working in the field of pesticide residue analysis (currently: 258 labs).

EUPT Registration Tool (within the EURL DataPool) updated with the data on participation status of OfLs / NRLs (obliged/not obliged) from the entire network. Participants' list in EUPT is submitted to the administrators of the EUPT data submission tool run by the EURL-CF.

Duration: For the EUPTs in 2025, the updating of the lab-status will start in December 2024 and will end in January 2025. For the EUPTs in 2026, this activity will start in December 2025 and continue in January 2026. For the EUPTs in 2027, this activity will start in December 2026 and continue in January 2027. For the EUPT in 2028, this activity will start in December 2027. The online EUPT-registration procedure for each of the four EUPTs will take place between January and April of each respective year. Many laboratories need to be assisted via e-mail communication during this period. For the EUPT-SRM20, -SRM21 and SRM22, the updated information will be submitted to the administrators of the data submission tool (run by the EURL-CF) in each year's H1, but the month is not yet fixed, as it depends on the period during which the EUPT-SRM20, -SRM21 and SRM22 will take place, which will be defined during a meeting of the EUPT-Scientific Committee.

Import of EUPT-results from 2024, 2025 and 2026 into the EUPT-Archive (Horiz. Activ.);
Upload of EUPT-SRM-certificates from 2024, 2025 and 2026 into the EUPT-Archive

Objectives: Import data from EUPTs conducted in 2024, in 2025 and in 2026 by all four EURLs (so far this data is provided by the EURLs). This archive constitutes a common online data-repository (hosted in EURL DataPool; Horiz. Activ.). Upload of the respective EUPT-SRM certificates for each EUPT-SRM participant into the EUPT-Archive. EUPT data in combination with validation data (which are also collected), the expanded measurement uncertainty can be calculated by each lab.

Description: The results of the EUPTs organized in 2024 (EUPT-FV26, -CF18, -AO19, -SRM19), in 2025 (EUPT-FV27, -CF19, -AO20, -SRM20) and in 2026 (EUPT-FV28, -CF20, -AO21, -SRM21) will be collected from the individual EURLs and formatted in order to be imported into the EUPT-Archive DB which is implemented within the EURL DataPool. In this activity the EURL-SRM relies on the collaboration of the other EURLs. The EUPT-certificates (pdf-files) of the EUPTs organized by EURL-SRM (EUPT-SRM19, -SRM20, -SRM21) will be uploaded into the EUPT-Archive. The EURL-SRM will upload the certificates of EUPTs organized by EURL-FV, -CF and –AO, if these are made available in an uploadable form by the other EURLs.

Expected Output: EUPT-results and -certificates from 2024, 2025 and 2026 imported into the EUPT-Archive database.

Duration: EUPTs conducted in 2024: Q4 2025; EUPTs conducted in 2025: Q4 2026; EUPTs conducted in 2026: Q4 2027

EUPT-Evaluation Views

Objectives: Elaboration of different EUPT-evaluation views for EURLs/COM, NRLs and OfLs.

Background: The EUPT-Archive is a valuable data collection for assessing performance, scope and participation of OfLs in EUPTs. This information reflects the quality, accuracy and comparability of analytical data generated within official controls in EU-countries and is of interest to OfLs, NRLs, EURLs and the COM. This activity was shifted from the WP23/24.

Description: It is intended to gradually create within the EURL DataPool new detailed and synoptical views (graphs and/or tables), showing the long-term performance, participation and scope of OfLs in EUPTs over the years. EURL/COM-members should be granted access to all data, NRLs to data of OfLs within their network, and OfLs to own data only. Certain parameters (e.g. year of PT, PT-organizer, PT name, pesticide name, pesticide group, matrix name and matrix-group) may be used as filters to allow narrowing-down the pool of data to be processed in a query. For NRLs and EURLs, the names of the laboratories within their network will also be a filter criterion, with EURLs having additionally the possibility to filter data by country. This tool should allow the evaluation PT-performances of labs and countries in retrospect. In 2023/24 missing parameters and some management-tools (e.g. EUPT TPL-Tool, certificate-upload-feature) were introduced in the EUPT Archive database and specific EUPT-evaluations were discussed with all EURLs.

Introduction of certain evaluations and online views to EURL DataPool (e.g. evaluation of PT-performances of labs and countries in retrospect by overview tables with the number and percentage of targeted analytes, number of false negative/positive results and number of acceptable/questionable/ unacceptable z-scores). For ranking purposes, combined z-scores will be calculated using the individual z-scores. In a first stage the views will be accessible to EURLs for testing purposes only. The output of this task depends on the agreement of the EURLs to continue the import of the EUPT-results into the common online EUPT-Archive.

Expected Output: optimised EURL DataPool

Duration: Throughout 2025, 2026 and 2027

Sub-activity 3.1.5 **Cooperation and meetings with other EURLs**

Objectives: Cooperation and meetings with other EURLs for coordination purposes

Description: Inter-EURL-meetings, in some cases in presence of DG-SANTE representatives, will be carried out with the aim to discuss, plan, coordinate or evaluate EURL-activities, such as the preparation of work programs, the drafting of coordinated reports and opinions to support DG-SANTE and EFSA (e.g. in the re-evaluation of pesticides according to Art. 12), the drafting coordinated answers on specific questions by DG-SANTE or EFSA (e.g. the EURL-input on aspects related the annual CCPR meetings), the organization of workshops and EUPTs (including the updating of the EUPT-General Protocol), the upgrading and updating of on-line services (e.g. EURLs webpage, EURL-DataPool, and EUPT-Webtool), the revision of technical documents by DG-SANTE or EFSA (e.g. SANTE/11312/2021 and SANCO/12745/2013). This activity may involve one or several missions of EURL-SRM staff. Date and place of these events will be decided along the way as needed. Various meetings will be held via phone, on-line or in person when needed and possible.

Expected Output: Coordinated reports, decisions for future work.

Duration: To be decided later following consultations with the other EURLs and/or DG-SANTE, Throughout 2025, 2026 and 2027

Sub-activity 3.1.6 **Development and validation of analytical methods**

Further development of the QuPPe method.

Objectives: Further development of the QuPPe method with focus on new analytical columns and scope-expansion.

Description: This task will include the introduction of new separation methods (using newly introduced LC-columns) and the introduction of new analytes to the QuPPe extraction procedure, which focuses on highly polar pesticides and metabolites, which are not amenable to the multiresidue methods. The optimization of the extraction procedure for Diquat/Paraquat in commodities in which poor extractability and/or recovery rates have been noticed will be continued, as well as the small-scale monitoring of Diquat and Paraquat residues in various types of samples (both from WP 2023/2024). Introduction of new separation methods and/or new analytes into the QuPPe method. Update of the QuPPe-method protocol provided on the website of the EURL-SRM at least once per year.

Expected Output: QuPPe-method protocol updated. Oral and/or poster presentation at an expert conference.

Duration: Throughout 2025, 2026 and 2027

Work on improving the analysis of cypermethrin isomers with special focus on alpha-cypermethrin

Objectives: Collaborate with the other three EURLs in establishing methods for the analysis of alpha-cypermethrin. Develop strategies to facilitate screening and quantitative analysis of cypermethrin and constituent components thereof (especially alpha-cypermethrin) by laboratories within the NRL/OfL network. Check the transferability and suitability of an analytical approach developed by the EURL-SRM for the analysis of alpha-cypermethrin by LC-MS/MS (elaborated in WP 2023/2024) in an inter-laboratory exercise.

Description: Using GC-based techniques, thermally induced isomerisation between single cypermethrin-isomers is observed in the GC-injection system. Various factors, such as injection conditions, matrix type and matrix-treatment history can influence this isomerisation. The isomeric composition shifts induced in the GC-injector can strongly affect quantification of the different components (e.g. of the toxicologically interesting alpha-cypermethrin, which is composed of two enantiomers 1R cis αS and 1S cis αR). This may lead to wrong toxicological assessments of the residues, as the different isomers of cypermethrin exhibit different toxicological potencies.

Analytical methods that do not affect the isomeric composition are considered beneficial in this respect. LC-(ESI-)MS/MS is preferable to the GC-approach as it is already widely used in pesticide labs and as it allows non-destructive chromatographic separation. Method development may involve the testing of various chromatographic columns and separation gradients, with the goal to achieve sufficient separation with column types and eluents commonly used in routine multiresidue analysis.

A method report will be prepared and an inter-laboratory exercise will be organized in coordination with the EURL coordinating the action plan for cypermethrin, to check the transferability of the LC-MS/MS method for the analysis of alpha-cypermethrin to various OfLs. The aim is to involve at least five different laboratories with different instrumental setup.

Planning of the study, preparation of a protocol, shipment of samples or standards, assistance to laboratories, collection and evaluation of data, extraction of conclusions as regards the transferability and validity of the developed method. Results of this study will be delivered in form of a short communication and/or a presentation (oral or poster) at an expert conference.

Expected Output: Communication and/or (oral or poster) presentation at an expert conference of the results of the study on method(s) development for the analysis of alpha-cypermethrin

Duration: Throughout 2025, 2026, 2027.

Inter-laboratory exercise/validation concerning the traditional common moiety method analysing for CS_2

Objectives: Check the transferability and validate the optimized approach by the EURL-SRM (elaborated in WP 23/24) for the analysis of CS_2 using the traditional common moiety method, in an inter-laboratory exercise.

Description: An interlaboratory exercise will be organized in cooperation with an expert group at §64 (Germany), which aims at comparing the capabilities of the various laboratories and for checking the feasibility of the analysis of CS_2 using the common moiety approach. The aim is to involve at least five different laboratories with different instrumental setup.

Planning of the study, preparation of a protocol, shipment of samples or standards, assistance to laboratories, collection of data, evaluation of data and extraction of conclusions as regards the transferability and validity of the EURL-SRM approach for the analysis of CS_2 using the common moiety approach.

Expected Output: short communication and/or (oral or poster) presentation of the results of the inter-laboratory exercise/validation for the analysis of CS_2 using the common moiety approach at an expert conference.

Duration: Throughout 2025 and 2026

Inter-laboratory exercise/validation concerning the method for the analysis of DTC-monomers following derivatization

Objectives: Check the transferability and validity of the optimized approach by the EURL-SRM (elaborated in WP 23/24) for the determination of DTC-monomers following derivatization, which involves initial analysis of the sample material.

Description: An interlaboratory exercise will be organized, which aims at comparing the capabilities of the various laboratories and for checking the feasibility of the analysis of DTC-monomers following derivatization. The aim is to involve at least five different laboratories with different instrumental setup.

Planning of the study, preparation of a protocol, shipment of samples or standards, assistance to laboratories, collection and evaluation of data and extraction of conclusions as regards the transferability and validity of the EURL-SRM approach for the analysis of DTC-monomers following derivatization.

Expected Output: short communication and/or (oral or poster) presentation of the results of the Inter-laboratory exercise/validation for the determination of DTC-monomers following derivatization delivered at an expert conference.

Duration: Throughout 2025.

Development of analytical methods for the analysis of pesticide co-formulants

Objectives: Collaborate with DG-SANTE and the other EURLs on pesticides to prioritise the co-formulants and perform further steps (e.g. analytical experiments) as requested by DG-SANTE.

Description: Co-formulants are components contained in pesticide formulations next to the active substances. Upon PPP applications residues of these co-formulants may end up in food. Residues of co-formulants are currently rarely monitored and there is a need to study and prioritize these compounds as regards the need for monitoring their residues. In this project the EURL-SRM in collaboration with the other three EURLs and DG-SANTE will start investigating with already available information (literature, EFSA output on co-formulants), which co-formulants could be relevant (possible detectable residues) in fruits and vegetables/cereals as well as animal products etc. The results of this investigation will be discussed with the Commission to define possible further steps (e.g. define priorities for possible method development, if relevant), taking into account regulatory developments in this area.

Expected Output: Results of study delivered to DG-SANTE by informal e-mails and as short communication and/or (oral or poster) presentation delivered at an expert conference.

Duration: Throughout 2025, 2026, 2027.

Inter-laboratory studies concerning the analysis of phosphine and sulfuryl fluoride

Objectives: Check the transferability and validity of the optimized approach by the EURL-SRM (elaborated in WP 23/24) for the determination of phosphine and sulfuryl fluoride via headspace GC-MS.

Description: An inter-laboratory validation exercise will be organized, to check the transferability and validity of the EURL-SRM method for phosphine and sulfuryl fluoride (involving headspace GC-MS) to various laboratories. The aim is to involve at least five different laboratories with different instrumental setup.

Furthermore, in the case of phosphine, a comparative test will be organized using material with incurred residues, to check the comparability of the results generated by the different laboratories and in order to localize and address bad-practices among OfLs. This exercise may involve more than one test item for being able to localize systematic bias. Laboratories outside the NRL/OfL-network may also be allowed to participate in this exercise, to ensure that the population of received results is large enough for a proper statistical evaluation of the results.

Planning of the study, preparation of a protocol, shipment of samples, assistance to laboratories, collection and evaluation of data and extraction of conclusions as regards the transferability of the Headspace GC-MS method for the analysis of phosphine and sulfuryl fluoride and as regards the comparability of phosphine results of OfLs when analyzing samples with incurred residues.

Expected Output: Short communication and/or (oral or poster) presentation of the results of the study delivered at an expert conference.

Duration: Throughout 2025, 2026, 2027.

Development of analytical methods for the analysis of SRM-compounds in insects

Objectives: Development of an analytical method for the determination of SRM compounds and estimation of their LOQs in insects.

Description: An analytical method for the determination of approximately 20 selected SRM compounds, such as esters and acidic pesticides and analytes amenable to the QuPPe method, will be developed. Method validation will be conducted and LOQs will be estimated.

Expected Output: Short communication and/or (oral or poster) presentation of results of this study delivered at an expert conference.

Duration: Throughout 2025, 2026, 2027.

Pilot monitoring project on a food commodity (e.g. fish and/or insects or feeding stuff)

Objectives: Pilot monitoring study of SRM compounds in a selected commodity group in order to find out which compounds are relevant and facilitate decisions regarding further monitoring plans

Description: A pilot monitoring study on a selected commodity group will be conducted. The commodity type (e.g. fish or insects or feeding stuff) will be selected in coordination with DG-SANTE and will be possibly conducted in cooperation with another EURL. Samples will be selected and sample procurement will be planned and coordinated with the other EURLS. Approximately 80 samples from various countries will be analysed for the presence of SRM-pesticides covered by the current scope of the EURL-SRM. A comprehensive report of the findings is envisaged. Possible

commodities: fish (cooperation with EURL-AO) or insects (cooperation with EURL-AO) or feeding stuff (cooperation with EURL-CF).

Expected Output: Report of the pilot-monitoring and/or (oral and/or poster) presentation of the results at an expert conference.

Duration: Throughout 2025, 2026, 2027.

Development of analytical methods for the analysis of dual-use substances such as antibiotics or biocides

Objectives: Development of an analytical method for the determination of several selected pesticides that are also used as antibiotics or biocides.

Description: An analytical method(s) for the determination of approximately 15 selected dual-use pesticides that are also used as antibiotics or biocides will be developed. Method validation will be conducted and LOQs will be estimated.

Expected Output: Short communication and/or (oral or poster) presentation on the results of this study delivered at an expert conference.

Duration: Throughout 2025, 2026, 2027.

Investigations on pesticides considered being polyfluoroalkyl active substances (PFAS)

Objectives: Localization of relevant compounds and analytical deficiencies and conduction of analytical tasks on PFAS in coordination with DG-SANTE and the other three EURLs.

Description: PFAS have become a matter of concern in recent years. The EURL-SRM will collaborate with the other 3 EURLs to start investigating which PFAS substances and relevant metabolites e.g. TFA might need further method development. The selection of the PFAS pesticides to be investigated will be defined in collaboration with DG-SANTE. The outcome of the investigations will be discussed with DG-SANTE to define priorities for analytical experiments including method development. In the case of TFA a pilot monitoring study will be conducted to study its presence in various types of food in coordination with DG-SANTE and following consultation with the EURL on POPs and PFAS.

Expected Output: Short communication and/or (oral or poster) presentation of results delivered at an expert conference.

Duration: Throughout 2025, 2026, 2027.

Analytical work on additional compounds as requested by the COM

Objectives: Provide ad-hoc technical assistance to DG-SANTE by conducting ad-hoc analytical experiments on compounds not mentioned elsewhere in this work program. The goal is to remain flexible and maintain the ability to react to emerging issues if the need arises (as in the cases of ethylene oxide and cypermethrin in the past).

Description: If requested by DG-SANTE, analytical work will be conducted on compounds of emerging interest not mentioned in this work program. Should this ad-hoc task require an extensive amount of

work, other analytical tasks within the work program may need to be postponed/reduced/replaced, in consultation/agreement with DG-SANTE.

The inquiries by DG-SANTE will be answered as requested (e.g. as a summarized conclusion via e-mail).

Expected Output: Short communication and/or (oral or poster) presentation on analytical experiments on compounds not mentioned elsewhere in this work program delivered at an expert conference.

Duration: Throughout 2025, 2026, 2027.

Inter-laboratory exercise concerning the screening of DTC-marker compounds

Objectives: Check the transferability and validity of the EURL-SRM approach for a targeted analysis of DTCs (elaborated within the WP 2021/22), which involves initial screening of DTC-marker compounds via commonly used routine methods and (in case triggered) the subsequent analysis by (typically more cumbersome) approaches of DTC-analysis (involving e.g. transformation to the CS_2-common-moiety for a generic analysis, or to derivatives of DTC monomers to enable a group specific DTC analysis).

Background: The screening of marker compounds of DTC fungicides, such as ETU, EU und eBIC (for the ethylene-bis-DTCs) as well as of PTU, PU and pBIC (for the propylene-bis-DTCs), using common multi-residue extraction methods opens the way for a more judicious (and cost-effective) use of cumbersome methods for DTC-analysis, either the method based on CS2 analysis or the method based on the analysis of monomer derivatives (group specific analysis).

Description: An inter-laboratory exercise scheduled for Q4 2024, aims at comparing the feasibility of screening DTC-marker compounds at low levels by various laboratories with different instrumental setups. Due to other tasks in 2024, the exercise may start with some delay and extend into 2025. The evaluation of the results as well as the preparation of a report is planned for 2025.

Collection of data, evaluation of data and extraction of conclusions as regards the transferability and validity of the EURL-SRM approach for the analysis of DTCs.

Expected Output: Short communication and/or (oral or poster) presentation of results of Inter-laboratory exercise on the screening of DTC-marker compounds delivered at an expert conference.

Duration: throughout 2025.

3.2. Work Package 2 - SCIENTIFIC AND TECHNICAL ASSISTANCE TO NRLs

Objectives: TO PROVIDE SCIENTIFIC AND TECHNICAL ASSISTANCE TO NRLs

- *Art. 94.2.d Coordinating practical arrangements necessary to apply new methods of laboratory analysis, testing or diagnosis, and informing national reference laboratories of advances in this field.*

- *Art. 94.2.e Conducting training courses for staff from national reference laboratories and, if needed, from other official laboratories, as well as of experts from third countries.*

- *Art. 94.2.g Providing information on relevant national, Union and international research activities to national reference laboratories.*

Sub-activity 3.2.1 **Providing technical and scientific support to NRLs**

General technical assistance to NRLs/OfLs via e-mail and personal communication

Objectives: Provide assistance to NRLs and other stakeholders.

Description: The EURL-SRM uses the central mail address eurl-srm@cvuas.bwl.de for requests. Additional requests are received by individual EURL-members. The requests may come from a very diverse group of people, including members of NRLs, OfLs, third country labs and other. The topics raised in these requests are very diverse, and often concern analytical issues (such as the availability of methods, problems with SRM compounds and the availability and usage of ILIS (isotopically labelled) internal standards). Depending on the request, information from various sources (internet, literature, own data) may need to be collected and evaluated and in exceptional cases, small-scale experiments may be needed. Other frequent requests that need to be addressed concern the organization of EUPT-SRMs, the participation in EURL workshops and trainings as well as DataPool issues.

Provide swift assistance to EURLs, NRLs, OfLs, 3rd country labs and other stakeholders, by answering requested topics via e-mail or phone.

Expected Output: List of technical assistance provided to EURLs, NRLs, OfLs, 3rd country labs and other stakeholders via e-mail and/or phone (date and topics).

Duration: Throughout 2025, 2026, 2027 and on request.

Specific technical assistance to NRLs as a follow-up on PTs

Objectives: Provide assistance to selected NRLs on a one-to-one basis, either vial online-meetings or via visits of NRL representatives to the EURL facilities.

Description: Selection of 3 NRLs that are deemed to need technical assistance based on their results in EUPT-SRMs (and/or based on results of important OfLs within their network in EUPTs). The NRLs will be offered the possibility of online meetings/trainings. The main focus will be on localizing the sources of errors and in elaborating solutions to avoid them in the future. In coordination with the NRLs, certain OfLs may be also invited to attend these meetings. If deemed necessary, visits of NRL-representatives to the EURL-SRM-facilities for further training will be arranged, possibly combined

with the annual trainings (see 3.2.3). On-site training at the occasion of NRL visits will also be considered (see 3.2.4).

Select NRLs requiring help and offer assistance via online trainings or training visits or on-site trainings.

Expected Output: Overview/list of the trainings performed.

Duration: Throughout 2025, 2026, 2027.

EURL DataPool-website (https://www.eurl-pesticides-datapool.eu/) (Horiz. Activ.)

Objectives: Maintain and develop further the EURL DataPool platform, which serves the administration of the NRL/OfL Network within the pesticide residue area as well as the systematic collection and retrieval of information of practical use for analysts working in the area of pesticide residues.

Description: The current framework of the website is based on an outdated technology (.NET 4.0 framework) which IT companies do no longer support. The EURL-SRM has started transferring parts of DataPool-website to a new state-of-the-art platform (Single Page Applications; BLAZOR). This activity involves a redesign and an extensive re-programming of the web application thus involving high costs for external programming. The activity will continue in 2025, 2026 and 2027 and will entail the adaptation of existing databases to the new platform considering new developments in the field as well as any expressed requirements by the COM and/or the EURLs. Throughout 2025 to 2027, the existing databases will be maintained, upgraded and filled-up with further data:

- ***Analytical Methods Database:*** Implementation of the analytical methods developed by the EURLs. Analytical methods developed by the EURLs will be introduced including links to the pdf-files within the EURL Portal-website. This info is used by the Method Finder List-tool (see below).

- ***Method Validation Database:*** Import of validation data generated by the EURL-SRM, including data generated during the process of re-evaluating MRLs and residue definitions, e.g. within the framework of Art. 12 of Reg. (EC) 396/2005. The EURL-SRM will continue teaching NRLs and OfLs how to use the validation-data-import-tool. Note: The contribution of method validation data into the EURL DataPool of course depends on the willingness of these labs to act in this direction.

- ***Pesticides Database:*** Generation or collection of further data for the characterization of pesticides (e.g. GC-, LC-amenability, analytical behaviour, GC-MS-spectra, GC-MS/MS-transitions; LC- and GC-high resolution MS-data) and import of this information into the DB. This includes the creation of new entries for pesticides and metabolites not yet in the DB. Approximately 150 compounds will be expectedly introduced in 2025/26/27.

- ***Stability of Compounds Database:*** Collection of more data on the stability of pesticides/metabolites and import of this data into the DB. The EURL-SRM is in contact with several labs generating pesticide stability data, but contribution of this data into EURL DataPool depends on the willingness of these labs to submit their data. Expand the database to allow tracking information on the stability of pesticides in sample homogenates under different conditions.

- ***Pesticide Authorisations Database:*** no tasks in 2025/26/27

- ***Commodities Database:*** no tasks in 2025/26/27

- ***MRL Residue Definitions Database***: Updating of EU MRL residue definitions on a regular basis. Updating of Codex MRL residue definitions (once a year after the annual CCPR-meeting); Updating of compound conversion factors within the DB.

- ***EUPT Registration Tool:*** Online Registration Tool for the EUPTs organized by the four EURLs concerning pesticides. The 4 EURLs jointly decided to implement the EUPT Registration-Tool into the EURL DataPool-website. The new tool will be used for the EUPTs to be conducted in 2025, 2026 and 2027. The EURLs will discuss and jointly decide on refinements/improvements and upgrades of the registration-tool. Modifications will be implemented if needed (Horiz. Activ.).

- ***EUPT TPL-Tool:*** The EUPT TPL-Tool allows to manage and administer the information of the EUPT-target pesticides lists (TPLs). The four EURLs concerning pesticides jointly decided to implement such a tool in EURL DataPool. It allows the EURLs to select online all the analytes to be included in their TPL, and to add further information in appropriate fields (e.g. PT-specific name, PT-specific residue definition, additional notes). The TPL-Tool also allows an Excel-export of this information to import specific TPL-data into the EUPT-Webtool (run by the EURL-CF) and to provide the TPL to the EUPT-participants. The EUPT TPL-Tool will be used for the EUPTs to be conducted in 2025, 2026 and 2027. The EURLs will discuss and jointly decide on refinements/improvements and upgrades of this tool. Modifications will be implemented if needed (Horiz. Activ.).

- ***EUPT Archive:*** see 3.1.4 (EUPT-Evaluation Views).

- ***NRL-/OfL/User-Network Database:*** Various editing-forms were introduced in the DataPool to allow NRLs and OfLs to update specific data about their labs: lab contact data, lab-functions, email-addresses of registered lab-members, lab-tasks within the frame of official controls (import controls, commodity scope, pesticide scope, etc.). On several occasions throughout 2025, 2026 and 2027, the EURL-SRM will prompt all NRLs and OfLs to update their data within the EURL-DataPool. For lab members newly registered to the DataPool, the EURL-SRM will be assigning access to the "myLab"-area, following consultation with other members of the laboratory to verify the affiliation to the lab in question.

-***SRM-Pinboard-Service:*** The "SRM-Pinboard" provides labs interested in subcontracting certain analyses to other labs, and labs interested in providing analytical services to other labs, a platform that helps them conveniently find each other. In 2025/26/27, the OfLs within the network will be prompted to use the SRM-Pinboard in order to expand the analytical scope. The list of labs that can be considered proficient for the analysis of individual SRM-compounds based on PT-performance will be updated, as soon as new PT results become officially available or whenever a lab wishes to enter the list or change its status.

Expected Output: Updated webpages and databases; overview of the activities and progress achieved.

Duration: throughout 2025, 2026 and 2027

Compilation of the EURL Method Finder-List (MFL)

Objectives: Provide network labs with an overview of and a quick access to methods developed or validated by the EURLs to cover compounds included in MACP-regulations or the WD-NCP.

Background: The EURL Method Finder List gives an overview of the EURL-methods, -validation reports, and -analytical observation reports released by the EURLs and concerning compounds that are included in the MACP-Regulations and the WD-NCP. It is updated annually and can be accessed here: http://www.eurl-pesticides.eu/docs/public/tmplt_article.asp?CntID=629&LabID=100&Lang=EN

Description: An updated version of the MFL will be prepared in 2025, 2026 and 2027 considering new EURL-documents (e.g. method validation reports) and analytes newly introduced within the MACP-Regulation and the WD-NCP (SANCO/12745/2013).

Upload of the Method Finder List 2025 on the EURL website within H1 2025. Upload of the Method Finder List 2026 on the EURL website within H1 2026. Upload of the Method Finder List 2027 on the EURL website within H1 2027.

Expected Output: EURL website updated with the upload of the MFL in H1 of 2025, 2026 and 2027

Duration: Throughout 2025, 2026 and 2027.

Incorporate information included in the MFL and the WD-NCP within the EURL DataPool and develop a tool allowing tracking/editing and retrieval of this information (NCP/MFL-Tool)

Objectives: Integrating information currently entailed in the WD-NCP and the MFL into the EURL DataPool and developing a tool (NCP/MFL-Tool) that would allow to conveniently edit and retrieve this information. Having all information in one place and a proper on-line tool for editing should facilitate work-sharing and parallel editing (e.g. by COM and EURLs) and ultimately lead to synergy effects by avoiding redundant work.

Background: The MFL is essentially a supplement to the WD-NCP and the MACP Regulation and is currently published in an Excel format and accessible via the EURL-website. The MFL is annually being updated, but updating is currently quite laborious, as it involves extensive manual copy-pasting of information from the latest versions of the NCP-WD and the MACP-Reg. into Excel. There is therefore a great need of improving this process and making it more effective by integrating all necessary information within the EURL-DataPool to avoid extensive manual copy-pasting of information from the latest versions of the NCP-WD and the MACP-Reg. into Excel.

Description: It is intended to work towards expanding the EURL DataPool to enable tracking of data currently entailed in the MFL and the WD-NCP. Thereafter a web-based tool (NCP/MFL-Tool) should be created that should allow on-line access to this information through an on-line table. The table should offer sorting and filtering options and should entail links to EURL-documents concerning EURL-documents (e.g. method development or validation reports) on specific analytes of relevance. The NCP/WD-NCP-Tool will be gradually built up in close cooperation with the COM. At a first stage information currently in the WD-NCP and the MFL will be tracked into the database. In a second stage, the goal is to develop a special on-line editing form that would allow editing of the information by authorized users. The possibility of linking the EURL-DataPool with the EU pesticides database (e.g. via the upcoming web-services) will be checked, with the aim of keeping dynamic information (e.g. tox-data, registration status etc.) up-to-date. The possibilities for exporting the WD-NCP data into a pdf file in a form that would facilitate manual generation of a pdf file will be checked.

At a first stage expansion of the DataPool to accommodate information that is necessary for the NCP/WD-NCP-Tool. Also, tracking of existing information into the DataPool. At a second stage development of an online view (and possibly an Excel export) giving an overview of the the information concerning each compound including links to EURL-Documents. At a third stage, the intention is to create the NCP/WD-NCP-Tool, which would allow viewing and editing of information on single compounds by persons having the respective access rights. The achievement of the third stage output will depend on the progress made and may partly fall outside the 2025-27 period.

Expected Output: NCP/WD-NCP-Tool developed.

Duration: Throughout 2025, 2026 and 2027 (this task will gradually evolve following an incremental approach).

Sub-activity 3.2.2 **Organisation of workshops**

Note on budget for workshops: In the EURL-SRM budget for 2025 – 2027, a workshop budget for an EURL-SRM Workshop in 2026 of 22,550 € for travel, hotel and daily subsistence for the participants was included. In 2025 and 2027 a Joint Workshop is planned to take place elsewhere (in 2025 joint workshop of 4 EURLs in Freiburg by EURL-AO and in 2027 joint workshop of 4 EURLs in Copenhagen by EURL-CF).

Joint EURL Joint Workshop hosted by EURL-AO in Freiburg/Germany in 2025

Objectives: Strengthen collaboration within the lab network, disseminate knowledge, provide up-to-date information, discuss results of EUPTs, discuss and approve technical level the updated version of Document SANTE/11312/2021 on "Analytical Quality Control and Method Validation Procedures for Pesticide Residues Analysis in Food and Feed".

Description: A joint workshop will be organized by the EURL-AO, with the EURL-SRM providing support.

Expected Output: workshop report by EURL-AO.

Duration: Within 2025 (date not yet defined).

EURL Workshop in 2026

Objectives: Strengthen collaboration within the lab network, disseminate knowledge, provide up-to-date information, and discuss results of EUPTs.

Description: A workshop will be organized, possibly in collaboration with another EURL. The collaboration will depend on the commodity chosen for the 2026 EUPT-SRM.

Expected Output: workshop report (within 3 months after the workshop has taken place)

Duration: In 2026 (date not yet defined).

Joint EURL Workshop hosted by EURL-CF in Denmark in 2027

Objectives: Strengthen collaboration within the lab network, disseminate knowledge, provide up-to-date information, discuss results of EUPTs, discuss and approve technical level the updated version of Document SANTE/11312/2021 on "Analytical Quality Control and Method Validation Procedures for Pesticide Residues Analysis in Food and Feed".

Description: A joint workshop will be organized by the EURL-CF, with the EURL-SRM providing support.

Expected Output: workshop report by EURL-CF.

Duration: Within 2027 (date not yet defined).

Sub-activity 3.2.3 **Organisation of training courses**

SRM-Training in 2025, 2026 and in 2027

Objectives: Provide up-to-date information on methods and hands-on training, and discuss individual analytical problems of OfLs.

Description: One training course with 8 to 10 participants will be organized each year (2025, 2026 and 2027) in Fellbach/Germany. The training will cover technical aspects on the analysis of SRM-pesticides and the exchange of experiences among participants. Special needs and problems of the participating labs will be considered in the design of the training program. Additional ad-hoc trainings may be conducted as requested. The possibility of collaborating with another EURL in one of the trainings will be checked.

Expected Output: training report (within three months after the training)

Duration: 2025, 2026 and 2027 (dates not yet defined).

Sub-activity 3.2.4 **Visits of NRLs**

Objectives: Provide on-site assistance and support to NRLs facing difficulties of analytical or organizational nature.

Description: The NRL-SRM of one selected MS will be visited each year (2025, 2026, 2027) by one or two EURL-SRM representatives. The countries to be visited will be selected giving emphasis on NRLs having shown poor analytical scope and/or PT-performance and/or PT-participation over the last years as well as on countries where the NRL-structure is deficient or has been altered. A detailed study of the network's EUPT results history and analytical scope will be carried out. In case of bad PT-performance, the possible reasons will be discussed and advice will be given on how to improve and expand the analytical scope.

Expected Output: NRL-visit reports for 2025, 2026 and 2027

Duration: At some point in 2025, 2026 and 2027 (dates not yet defined).

Sub-activity 3.2.5 **Organisation of tutorials/webinars**

Objectives: Disseminate information of interest to laboratories in a cost-effective way.

Description: Publication of at least one tutorial and/or webinar in 2025, 2026 and 2027 on various topics as needed. One or more online webinars will be conducted to accustom NRLs and OfLs with features of the EURL-DataPool with focus on the submission of validation data (for all labs), registration in EUPTs (for all labs) and administration of the OfL-Network (for NRLs).

Expected Output: at least one tutorial (or slides) of a webinar in the EURL DataPool-website published in 2025, 2026 and 2027.

Duration: Throughout 2025, 2026 and 2027 (dates not yet defined).

Sub-activity 3.2.6 **Updating and publication of the list of NRLs (Horiz. Activ.)**

Objectives: Maintain an up-to-date online list of the NRL-SRMs.

Description: Keep the list of NRLs in the area of pesticides up-to-date. As the list is linked to the EURL-DataPool, the NRLs will be prompted to update any information concerning their labs within the DataPool (see also Sub-activity 3.2.1: ***NRL-/OfL/User-Network Database***). In case of vital changes in the NRLs contact information or scope, the NRLs will be reminded that such information needs to be also communicated to DG-SANTE**.**

Expected Output: Updated list of NRLs available in EURL DataPool-website

Duration: Throughout 2025, 2026 and 2027

3.3. Work Package 3 - SCIENTIFIC AND TECHNICAL ASSISTANCE TO THE EUROPEAN COMMISSION AND OTHER ORGANISATIONS

Objectives: TO PROVIDE SCIENTIFIC AND TECHNICAL ASSISTANCE TO THE EUROPEAN COMMISSION AND OTHER ORGANISATIONS

- *Art. 94.2.f Providing scientific and technical assistance to the Commission within the scope of their mission.*

- *Art. 94.2.h Collaborating within the scope of their mission with laboratories in third countries and with the European Food Safety Authority (EFSA), the European Medicines Agency (EMA) and the European Centre for Disease Prevention and Control (ECDC).*

- *Art. 94.2.i Assisting actively in the diagnosis of outbreaks in Member States of foodborne, zoonotic or animal diseases, or of pests of plants, by carrying out confirmatory diagnosis, characterisation and taxonomic or epizootic studies on pathogen isolates or pest specimens.*

Sub-activity 3.3.1 **Technical and scientific assistance to the Commission**

Technical support to DG-SANTE for the evaluation or re-evaluation of pesticides

Objectives: Provide assistance and technical support to DG-SANTE and EFSA (on behalf of DG-SANTE) on all aspects related to the (re-)evaluation of pesticides. Where necessary, conduct experiments to assess the analytical behaviour of pesticides.

Description: Within 2025, 2026 and 2027, approx. 150 compounds (pesticides and metabolites) will be expectedly evaluated within the framework of various legally-based (re-)evaluations, e.g. Art. 43 of Reg. (EC) 396/2005, Art. 12 of Reg. (EC) 396/2005, Art. 12 Reg. (EC) 844/2012 (renewal of approval), Article 12(1) Reg (EC) 1107/2009 (New Active Substances (NAS)) or Art. 14(4) Reg (EC) 396/2005 (temporary MRLs) or evaluated within the framework of ad-hoc DG-SANTE projects (e.g. concerning compounds with background levels, candidates for Annex IV of Reg. (EC) 396/2005, compounds for which MRLs have not been established yet (e.g. pheromones). The EURL-SRM will continue its coordinating role in evaluating these compounds as agreed with DG-SANTE. In most cases, the evaluation will expectedly involve the conduction of analytical experiments to check, amenability to multiresidue methods and analytical behaviour in general. In some cases, modifications of the QuEChERS method or single residue methods may need to be introduced. Where validation data do not exist or are not sufficient, validation experiments may need to be conducted to determine achievable LOQs. Necessary standards of pesticides or metabolites will be purchased and should those not be available, applicants will be contacted to provide them. Where analytical standards remain unavailable this will be reported to the COM.

The expected effort (in man days) for the activities (study of documents and for preparing the review report) required for this task is listed below (**Remark:** Please note, that Judging from experience of previous years, the expected working time for this task, including experiments, is expected to substantially exceed 265 working days per year, calculated in the table below and allocated in the budget plan).

Type of compound		Days for lab activities involved

	Expected No. of compounds	NO	SOME	EXTENSIVE	VERY EXTENSIVE	Sum (Working days)
Estimated man-days for 10 compounds (avg)		*0*	*15*	*30*	*100*	
requiring NO Lab Activities	30					0
requiring SOME Lab Activities*	10		15			15
requiring EXTENSIVE Lab Activities**	10			30		30
requiring VERY EXTENSIVE Lab Activities***	10				100	100
					SUM	**145**
	Expected No. of compounds	Days for review / administration				
		NO	MINOR	EXTENSIVE	VERY EXTENSIVE	Sum (Working days)
Estimated man-days for 10 compounds (avg)		*0*	*10*	*25*	*40*	
requiring MINOR effort for review	10		10			**10**
requiring EXTENSIVE effort for review	40			100		**100**
requiring VERY EXTENSIVE effort	20				80	**80**
					SUM	**190**
					Total SUM	**335**

* e.g. for somehow challenging analytes requiring minor modifications of MRM-methods with few matrix groups being involved

** e.g. for somehow challenging analytes requiring modifications of MRM-methods with many matrix groups being involved OR challenging, non-MRM amenable analytes (parent or metabolites) with few matrix groups being involved

*** e.g. for challenging, non-MRM amenable analytes (parent or metabolites) with many matrix groups being involved OR for highly challenging, non-MRM-amenable analytes (parent or metabolites), requiring extensive method development (irrespective of matrix-groups involved)

Expected Output:

List of EURL-Evaluation Reports for the analytes (in the format agreed with EFSA for the completeness check period under Art. 12 Reg. (EC) 396/2005), list of EFSA draft reasoned opinions commented on, list of LOQ comments requested by the COM, list of draft regulations commented on , list of comments on RAR for compounds under renewal, list of comments on DAR for NAS, list of comments on EFSA review reports based on Art. 43 of Reg. (EC) No. 396/2005, list of comments submitted to DG-SANTE or EFSA via e-mail.

Duration: Throughout 2025, 2026 and 2027 as scheduled/requested. Timing as requested by the deadlines given.

Support DG-SANTE on aspects related to monitoring activities

Objectives: Provide technical assistance to DG-SANTE in drafting the MACP regulation and the WD-NCP (SANCO/12745/2013), and in providing an overview of the available methods.

Description: Technical assistance will be provided to DG-SANTE where this is requested. This may involve the following activities:
a) checking amenability of compounds to multiresidue methods and the availability of analytical standards on the market
b) participation in meetings (e.g. in Brussels or on-line);
c) preparation of a new Pesticide Ranking List (PeRL) following collection and evaluation of the necessary data, if requested
d) revision of documents
e) communication with DG-SANTE and other stakeholders
f) update of the MFL and activities to integrate it and the WD-NCP within the DataPool (see 3.2.1)

g) Survey among all NRLs and OfLs in the network in order to find out which compounds of the working document are routinely covered by the OfLs.

Review of draft documents, technical comments through various channels of communication, updated version of MFL (see 3.2.1), generation of a new pesticide ranking list (PeRL, if requested), Survey report on compounds and residue definitions routinely covered by laboratories within the network.

Expected Output:

A summary of work conducted within this sub-activity.

Duration: In 2025, 2026 and 2027 as requested

Revision of AQC-Document (SANTE/11312/2021)

Objectives: Revise the document SANTE/11312/2021 on "Analytical Quality Control and Method Validation Procedures for Pesticide Residues Analysis in Food and Feed" (AQC-Document) and technically approve the document at NRL level.

Description: Jointly with the other EURLs and the members of the AQC-Advisory Group and the NRLs, the EURL-SRM will contribute in the revision of the guidance document. The activity will involve participation in coordination meetings of the AQC-Advisory Group (physically or on-line) as well as discussion with the NRLs. A technical approval of the new version is planned during the joint EURL-NRL-Workshop in 2025 and 2027. For the next revision, due in 2025, coordination meetings of the AQC-Advisory Group will be also held in 2025 (most likely in January, June, October) with the EURL-SRM participating. In 2026, the preparations for the next revision, due in 2027, will start. This activity will foreseeably entail at least one meeting with the AQC-Advisory Group. For the revision due in 2027, foreseeably three coordination meetings of the AQC-Advisory Group will be also held in 2027 with the EURL-SRM participating.

The revision work will materialize in a new, technically approved, version of the document. The new document, or a link to it, will be uploaded within the EURL-Website after approval by the PAFF-committee.

Expected Output: new version of AQC-Document available at the EURL-website

Duration: Throughout 2025, 2026 and 2027.

Sub-activity 3.3.2 **Collaboration with European and international organisations (EFSA, CEN, ISO, …) and Third Countries**

Support to EFSA as regards the collection/evaluation of available analytical methods in the framework of the CCPR mandate

Objectives: Provide technical assistance to EFSA in regards to collecting and evaluating available analytical methods on CCPR level in the framework of the CCPR mandate.

Background: The EURLs on pesticides are asked to provide support to support DG-SANTE and EFSA when commenting Codex guidelines on analytical aspects or when drafting the EU common position on the topics included in the agenda.

Description: At the request by DG-SANTE and/or EFSA, the EURL-SRM will check, collect and evaluate analytical methods available in JMPR reports and evaluations within the FAO website. The EURLs will comment on the specificity and monitorability of residue definitions (using common methodologies among EU labs), the comments will include statements about the availability of the required analytical standards as well as on discrepancies between the residue definitions of the EU and Codex. A consolidated report will be created in collaboration with the other EURLs and in coordination with EFSA for each single, requested substance.

Analytical method data, information and data on relevant metabolites as well as possible discrepancies between residue definitions at EU and Codex level will be compiled and provided to EFSA. At request by DG-SANTE and in coordination with the other three EURLs on pesticides, the EURL-SRM will also review and provide opinions on technical documents and codex-guidelines being drafted.

Expected Output: Overview of the tasks conducted and accomplishments.

Duration: 2025, 2026 and/or 2027, as requested.

Support to standardisation bodies

Objectives: Pursue the standardization of methods.

Description: This activity will include active involvement in the activities of the pesticide residue group of the CEN (European Standardization Body) and DIN (German Standardization Body) as well as of the German group for the establishment of official methods. Among others, these activities involve tasks towards the standardization of the QuPPe and QuOil method as well as the methods on dithiocarbamates at CEN level.

Revisions, evaluation of validation data, participation in meetings.

Expected Output: Overview of activities performed to support the standardisation bodies.

Duration: Throughout 2025, 2026 and 2027 as scheduled/requested

Sub-activity 3.3.3 **Participation in symposiums, workshops and seminars for the dissemination of scientific information.**

Objectives: Present results of EURL-activities, interact with the scientific community and collect information, in order to stay updated about the developments in the field.

Description: This activity may involve participation in various international conferences and workshops upon invitation, including oral presentations and/or scientific posters.

Expected Output: Oral presentations and posters. Overview of the participation in symposiums, workshops and seminars per year.

Duration: Throughout 2025, 2026 and 2027 as scheduled/requested

3.4. Work Package 4 - REAGENTS AND REFERENCE COLLECTIONS

- *Art. 94.2.*j *Coordinating or performing tests for the verification of the quality of reagents and lots of reagents used for the diagnosis of foodborne, zoonotic or animal diseases and pests of plants.*

- *Art. 94.2.k Where relevant for their area of competence, establishing and maintaining:*
  - *i. reference collections of pests of plants and/or reference strains of pathogenic agents;*
  - *ii. reference collections of materials intended to come into contact with food used to calibrate analytical equipment and provide samples thereof to national reference laboratories;*
  - *iii. up-to-date lists of available reference substances and reagents and of manufacturers and suppliers of such substances and reagents.*

Sub-activity 3.4.1 **Up-to-date lists of available reference substances and reagents and of manufacturers and suppliers of such substances and reagents**

List of suppliers of Analytical Standards (Horiz. Activ.)

Objectives: Facilitate the retrieval of analytical standards of new compounds, compounds for which analytical standards are not readily available on the market (e.g. if this is stated in the MRL-Website), selected isotope labelled internal standards (ILISs).

Description: The existing list with sources of analytical standards, which is prepared by the EURL-SRM as a horizontal activity, will be updated as required. Websites of various manufacturers/suppliers for these analytical standards will be periodically checked for updating the list. As regards ILISs, the list will cover the compounds analyzed by the QuPPe methodology, selected compounds within the MACP regulation and working document as well as selected compounds for which methods have been published by the EURLs.

Expected Output: List of Suppliers of Isotopically Labelled Internal Standards (Horiz. Activ.); List of suppliers of Analytical Standards (Horiz. Activ.).

Duration: Within 2025, 2026 and 2027

3.5. REQUIREMENTS RELATED TO OTHER LEGISLATION

Not applicable

4. REMARKS

List of Indicators EURL-SRM 2025-2027 To provide the following information:

- Number of laboratory methods available in the EURL

- Number of laboratory methods for which details and guidance as regards their techniques, validation and interpretation are available in the EURL website (intranet + public domain)

- Number of new laboratory methods developed in the reporting period

- Number of laboratory methods improved in the reporting period

- Number of Proficiency Tests (PTs) organised by the EURL for national reference laboratories/NRLs + ORLs

- Cost of PTs (€) – only transport costs for PT samples

- Success rate of Member States NRLs+OLs in PTs (%)

- Number of Comparative Tests (CTs) organised by the EURL for NRLs

- Cost of CTs – only transport costs for CT samples

- Success rate of Member States NRLs+OLs in CTs (%)

- Number of corrective actions undertaken (aggregated data on corrective actions for all NRLs)

- Number of workshops & meetings organised

- No. of participants in workshops & meetings

- Cost for workshops & meetings (€)

- Number of technical assistance provided by the EURL to NRLs enquiries

- Number of technical and scientific feedback provided by the EURL based on European Commission enquiries

- Number of collaboration activities with other organisations