

WORK PROGRAMME of EURL for

EURL AO

PERIOD: 2019/2020

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CONTACT DETAILS

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SUMMARY

INTRODUCTION page 3

ACTIVITIES

- 1. TO ENSURE AVAILABILITY AND USE OF HIGH QUALITY METHODS AND TO ENSURE HIGH QUALITY PERFORMANCE BY NRLs page 4
- 2. TO PROVIDE SCIENTIFIC AND TECHNICAL ASSISTANCE TO NRLS page 10
- 3. TO PROVIDE SCIENTIFIC AND TECHNICAL ASSISTANCE TO THE EUROPEAN COMMISSION AND OTHER ORGANISATIONS page 13
- 4. REAGENTS AND REFERENCE COLLECTIONS..... page 18
- 5. REQUIREMENTS RELATED TO OTHER LEGISLATION..... page 20

REMARKS..... page 21

INTRODUCTION

European Union Reference Laboratory for Pesticides in Food of Animal Origin and Commodities with high Fat Content (EURL-AO)

EURL-AO is part of the network of the 4 EURLs (EURL-AO, EURL-CF, EURL-FV, EURL-SRM) dealing with pesticide residues in food and feed (www.eurl-pesticides.eu).

Regulation (EU) 625/2017 Art 94(2):

European Union reference laboratories designated in accordance with Article 93(1) shall be responsible for the following tasks 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 36 of Regulation (EU) No 652/2014:

(taking into account Art 147 of (EU) 625/2017)

1

TO ENSURE AVAILABILITY AND USE OF HIGH QUALITY METHODS AND TO ENSURE HIGH QUALITY PERFORMANCE BY NRLs.

Please, provided activities related to Regulation (EU) 2017/625:
(Number of Sub-activity boxes can be adjusted by EURL)

- *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 1.01 *Updating and evaluation of current methods used by NRLs*

Objectives: Keeping methods up to date and assistance for NRLs in application of methods

Description: Certain methods for analysing pesticides in food of animal origin and high fat commodities are established in the daily routine of NRLs for a long time but also new developed methods are applied. The evaluation of the results of EU Proficiency Tests (EUPTs) of the EURL-AO (EUPT AO-01 to AO-13) shows the progress during the last years. By comparison of different methods used by the NRLs for the EU Proficiency Test the benefits and weak spots can be worked out. The NRLs can be supported in questions about optimising methods and get an overview of methods that can be used or not.

With reference to the substances included in the EU MACP and mentioned in Chapter 4 and Annex II of the Working Document SANCO/12745/2013, Rev 10(3), the EURL AO will support NRLs to enhance their ability in performing analyses. More specifically, a programme will be developed for assessing and identifying improvement drivers for the analytical capabilities of all AO NRLs for substances fenpyrazamine, penflufen, sulfoxaflor, azoxystrobin, chlorobenzilate, endrin and pendimethalin among others with an aim to increase analytical capability to minimum 60% across EU labs. Further, each MRM amenable substance included in Annex II for commodities of animal origin will be assessed for analytical deficiencies and solutions will be proposed and applied. As the EU MACP and the Working Document are subject to change in 2019, the WP will be adapted accordingly. See also 2.03 and 2.04 Training Workshop.

Expected Output: Support of NRLs (and OfLs), in particular in case of application of methods. Different methods applied at the EU Proficiency Test will be presented and discussed at the EURL-NRL-workshop. The experiences are documented in the Technical Report and are available for the NRLs on CIRCA BC by the uploaded presentations as pdf. Report on the application of improvement measures for each of the above mentioned substances for each EU NRL/OfL AO on the basis of a development programme for 2019-2020. In cases where analytical capability for a substance does not reach 60% a list of reasons will be included per each EU NRL/OfL AO (include OfLs if applicable).

Duration: Throughout 2019-2020.

Sub-activity 1.02 *Scope-Extension for organochlorine, organophosphorous and pyrethroid pesticides*

Objectives: Assistance for NRLs extending their scope

Description: Certain pesticides in food of animal origin and high fat commodities (mainly organochlorine, organophosphorous and pyrethroid pesticides) can be considered as introduced in the daily routine of NRLs. The evaluation of the results of EUPTs of the EURL-AO (EUPT AO-01 to AO-13) shows the progress achieved during the last years. However, there is also further need for improvement for these groups. Therefore, the spectrum of analytes will be extended continuously. Especially Article 12 proposals for analytes of interest will be in the focus¹ (see sub-activity 3.4 Support of Commission and EFSA including Article 12 Proposals). At least 80 % of these pesticides will be tested if they are amenable with a MRM-method. Thereafter, method development and validation will be done for those agents.

Expected Output: Support of NRLs (and OfLs), in particular in case of scope extension. Developed methods, opinions and recommendations will be loaded up on CIRCA BC.

Duration: Throughout 2019-2020.

Sub-activity 1.03 *Optimization of QuEChERS-EMR (Q-EMR) method*

Objectives: *QuEChERS-EMR method* shall be optimized

Description: *QuEChERS-EMR method* developed in 2017 is a multi-residue method (MRM-method) based on QuEChERS for analysis of GC amenable pesticides applying GC-MS/MS. An advantage of the method is the time saving extraction and clean-up step. The use of a commercially available clean-up sorbents replaces clean-up systems with an expensive hardware like gel permeation chromatography. In order to further optimize the clean-up effectiveness of the method non-polar solvents as keeper should be applied to avoid losses of volatile analytes in cases of evaporation or concentration of solvents. Cleaner extracts reduce instrument maintenance frequency and can thus help to reduce costs. Especially high resolution accurate mass instruments are often sensitive with respect to matrix interferences. Lowering coeluting matrix improves the robustness of the method. In addition, the effectiveness of the extraction procedure shall be tested with samples containing residues. After optimisation the method can be used for validation studies.

¹ 2,5-Dichlorobenzoic acid methyl ester, Acequinocyl, Ametoctradin, Benalaxyl-M (Benlaxyl as indicator), Bixafen, Bupirimate, Chlorantraniliprole, Chlorsulfuron, Chromafenozide, Clethodim, Cycloxydim, Cyflufenamid, Denathioniumbenzoate, Diclofop, Emamectin, Etridiazole, Fenazaquin, Fenbuconazole, Flubendiamide, Fluometuron, Flupicolide, Flupopyram, Fluquinconazole, Fluxapyroxad, Hexythiazox, Imidacloprid, Mandipropamid, Metaflumizone, Metamitron, Myclobutanil, Npropamide, Pencycuron, Penflufen, Prochloraz, Profoxydim, Proquinazid, Pyridalyl, Pyriofenone, Sintofen (aka Cintofen), Spinetoram, Spiromesifen, Spirotetramat, Tau-Fluvalinate, Tebufenozide, Tefluthrin, Terbutylazine, Thien carbazon

Expected Output: Support of NRLs (and OfLs), in particular in case of effective and fast clean up methods. A method report will be published via CIRCA BC.
Duration: Up to 4 months in 2019.

Sub-activity 1.04 *Extension of Commodity Groups for New Method for GC and LC amenable pesticides*

Objectives: Q-EMR method shall be extended to further commodity groups.
Description: Quantitative method validation with GC-MS/MS was performed for the matrices liver and eggs in 2017 and for meat and fish in 2018. This work will be expanded to other matrices of interest e.g. milk, milk powder, milk based baby food, plant oil, honey or fat for GC-MS/MS as well as for LC-MS/MS. Moreover, method development and optimization should be done especially for LC-MS in matrix liver. The pesticide scope of the validation studies includes especially Chlorpyrifos, Emamectin, Ethoprophos, Fluquinconazole, Cyhalothrin, Cypermethrin and other relevant substances, at lower LOQ levels following the publication of the EFSA opinion for pesticides on food for infants and young children with ADI < 0.0026mg/kgbw.
Expected Output: Support of NRLs (and OfLs), in particular in case of commodity extension (espec. liver for LC amenable pesticides and a method for pesticide residues at low levels in milk and infant formulae). Method reports will be published via CIRCA BC.
Duration: Throughout 2019-2020.

Sub-activity 1.05 Development and validation of a Multi Residue Method for high fat content commodities

Objectives: Development and validation of a routine MRM method for high fat content commodities of plant origin (cooperation with EURL FV)
Description: The EURL AO is mainly responsible for food of animal origin, but also for commodities with high fat content. Commodities with high fat content of plant origin are part of the annex in SANTE Document 2017/11813. In group 4a and 4b examples of these commodities are given. The EURL-FV will optimise and validate a method for the analysis of residues of pesticides included in the MACP in high fat content commodities of plant origin for which no effective analytical methods, which can be implemented in routine, are available. The selected commodities will be for example palm fat, cocoa (coffee) beans, sesame seeds/paste. Even though they are not included in Annex A of the MACP, they are of high interest for the laboratories, especially for those performing official controls on imported products under Regulation (EC) No 669/2009. EURL-AO (and EURL for high fat content commodities), will implement the developed methods in the laboratory and will perform a small monitoring of pesticide residues in real samples of such nature.
Expected Output: 1 Technical report and/or scientific publication
Duration: 4 months in 2020

Objectives: Development of a screening method with GC and LC accurate mass instrumentation

Description: For screening of a higher number of pesticides the use of high resolution accurate mass screening instruments like GC or LC coupled ToF or Orbitrap can be used to check for MRL compliance of the samples. Especially with increasing demand on pesticide residue laboratories to increase their scope of analysis high resolution accurate mass systems have found increasing popularity in this area. The information obtained can be used to reanalyse the sample in case of later findings. Matrices of interest are for example eggs, milk, milk powder and milk based baby food, liver, meat, fatty matrices on plant origin or honey. At least the development and validation of 2 screening methods will be performed.

The main focus of these instruments was set on developing screening methods and not much work has been done on use of these systems for quantitative methods. Therefore at least one quantitative method for a matrix of interest should be developed and compared with GC-MS/MS or LC-MS/MS.

Optional: comparison of results with equipment of different manufacturers in cooperation with other labs.

Expected Output: Support of NRLs (and OfLs), in particular in case of implementation of screening and quantitative methods for high resolution accurate mass instrumentation. A method report will be published on CIRCA BC. The results will be presented in an international scientific workshop.

Duration: Permanent task in 2019 and 2020

Sub-activity 1.07 Standards of Metabolites and Inclusion in Multi Residue Methods

Objectives: Availability of Standards for Metabolites of Pesticides and the possibility of their Inclusion in Multi Residue Methods

Description: The MRL definitions include quite a number of pesticides metabolites of these pesticides. In many cases metabolites included in the residue definition are not commercially available. It is planned to check the availability of metabolites for pesticides in food of animal origin and store the data found in an Excel table. The Excel table is available for the network of the EURLs for pesticides (EURL – NRL – OfL) in CIRCA BC and updated regularly ([https://circabc.europa.eu/d/a/workspace/SpacesStore/3f0c398a-e5fc-4a7d-a206-6e7a04eee3b1/List_of_Metabolites_Availability\(0\).xlsx](https://circabc.europa.eu/d/a/workspace/SpacesStore/3f0c398a-e5fc-4a7d-a206-6e7a04eee3b1/List_of_Metabolites_Availability(0).xlsx)).

This task is a cooperation with the German BVL and the other EURLs for pesticides residues. If new metabolite standards are commercially available the EURL AO will check if they can be analysed within existing multi residue methods.

Expected Output: Support of NRLs (and OfLs), in particular in case of scope extension, List of pesticides to be selected for Standard metabolites mixtures

Duration: Throughout 2019-2020.

Sub-activity 1.08 Investigation on pesticide stock solutions and pesticide standard mixtures

Objectives: Is it possible to make commercially pesticide standard mixtures and stock solutions available and are the laboratories interested in such solutions

Description: NRLs and OfLs have a big workload allocated to prepare standard mixture from neat standards. Reason is that they have to analyse for a high number of different pesticides, typically >300. The neat standards must be dissolved to stock solutions at e.g. 1 mg/ml and relevant mixtures of compounds then combined for use in the laboratory (calibration of the instruments, preparing control samples). If such mixtures are commercially available the laboratories will save a lot of time. However, at the time being no standardised mixtures are available and each laboratory uses own mixtures mainly based on the history in the individual laboratories. Therefore, the possibility of buying stock solution could be another approach and a way of standardizing the minimum scope of the laboratories. Further effects are the elimination of the big workload weighting of neat standards and errors in preparing stock solutions. In addition, the approach ensures the availability of individual standards for confirmation purposes.

However, the first step is checking whether the companies are interested in producing such standards in solvents for an affordable price. In this case a questionnaire will be send to the NRL and OfL laboratories to scrutinize the necessity of the laboratories. The summarized outcome of the survey will then be forwarded to the vendors. Then the vendors can decide whether they will offer harmonized stock solutions and/or solution with pesticide mixtures.

However, it can be assumed that weighing a big amount of pesticides, e.g. several grams of pesticides, will be easier to handle and more precise than the actual praxis of the laboratories to weigh 10-25 mg of each compound being in there scope (> 300 weighing tasks). At the workshop of the EURL-NRL-AO network (October 2018 in Freiburg) the participants voted to follow such an approach and to include this task into the work programme 2019/20.

Expected Output: Support of NRLs (and OfLs), in particular in case of scope extension, list of pesticides to be selected for standard mixtures, report of the result from the questionnaire and the expression of interest from the vendors.

Duration: Throughout 2019-2020.

Sub-activity 1.09 EUPT AO-14 (Art. 94.2.c)

Objectives: Performing a High Quality Proficiency Test

Description: Performance of a proficiency test (EUPT) for MRM-pesticides. EUPT AO-14 will be performed with all NRLs and OfLs of the EU Member States and Associated States. It is designed for 90 to 130 participating laboratories (intention 110: 28 NRLs, 78 EU-OfLs, 2 EFTA laboratories, 1 Candidate State laboratory and 1 Third Country laboratory) and the target analytes lists will comprise about 50 to 80 MRM-pesticides (intention 65) which are part of the MACP and the Working Document SANCO/12745/2013 Ver10. According to the General Protocol for EU proficiency tests the target pesticide list will fixed in January 2019 with the assistance of the members of the Scientific Committee for EUPTs. The PT will be performed and evaluated in accordance with the General Protocol for EU proficiency tests for pesticide residues in food and feed. The time schedule will be coordinated with the other pesticide EURLs and the Commission to avoid overlapping periods. The planed matrix is liver and will be performed in cooperation with the EURL for Single Residue Methods.

Expected Output: Report on EUPT AO-14, certificates to participants.

Duration: 2019-2020.

Sub-activity 1.10 EUPT AO-15 (Art. 94.2.c)

Objectives: Performing a High Quality Proficiency Test

Description: Performance of a proficiency test (EUPT) for MRM-pesticides. EUPT AO-15 will be performed with all NRLs and OfLs of the EU Member States and Associated States. It is designed for 90 to 130 participating laboratories (intention 110: 28 NRLs, 78 EU-OfLs, 2 EFTA laboratories, 1 Candidate State laboratory and 1 Third Country laboratory) and the target analytes lists will comprise about 50 to 80 MRM-pesticides (intention 65) which are part of the MACP and the Working Document SANCO/12745/2013 Ver10 or newer. According to the General Protocol for EU proficiency tests the target pesticide list will be fixed around January 2020 with the assistance of the members of the Scientific Committee for EUPTs. The PT will be performed and evaluated in accordance with the General Protocol for EU proficiency tests for pesticide residues in food and feed. The time schedule will be coordinated with the other pesticide EURLs and the Commission to avoid overlapping periods. The matrix will be approximately plant oil.

Expected Output: Report on EUPT AO-15, certificates to participants.

Duration: 2019-2020

TO PROVIDE SCIENTIFIC AND TECHNICAL ASSISTANCE TO NRLs

Please, provided activities related to Regulation (EU) 2017/625:
(Number of Sub-activity boxes can be adjusted by EURL)

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

Sub-activity 2.01 *Workshop with NRLs AO; Art. 94.2.d and 94.2.g*

Objectives: Discussion of EUPT AO-14 and general Exchange of Information

Description: The joint workshop in Copenhagen will allow the comprehensive exchange of information on the results of EUPT AO-14. In addition, also other important analytical developments and aspects of general importance will be exchanged. Number of participants: 32 (28 NRLs, 4 experts)

Expected Output: Carrying out the workshop with comprehensive exchange of information and strengthening of the cooperation between the EURL, NRLs and COM. The presentations will be available in CIRCA BC. Evaluation schemes will be analysed.

Duration: During 2019

Sub-activity 2.02 *Workshop with NRLs AO; Art. 94.2.d and 94.2.g*

Objectives: Discussion of EUPT AO-15 and general Exchange of Information

Description: The workshop in Freiburg will allow the comprehensive exchange of information on the results of EUPT AO-15. In addition, also other important analytical developments and aspects of general importance will be exchanged. Number of participants: 32 (28 NRLs, 4 experts)

Expected Output: Carrying out the workshop with comprehensive exchange of information and strengthening of the cooperation between the EURL, NRLs and COM. The presentations will be available in CIRCA BC. Evaluation schemes will be analysed.

Duration: During 2020

Sub-activity 2.03 *Training Workshop (Art. 94.2.e)*

Objectives: Training on methods and evaluation

Description: Representatives of NRLs will be invited to attend a training in Freiburg in 2019. It will take place after or before the workshop (see 2.1). The training will cover technical aspects as regards the analysis of pesticides on products of AO, including those with low analytical capabilities indicated in Chapter 4 of document SANCO/12745/2013 Rev10, and the exchange of experiences among participants. Special needs and problems of the laboratories will be considered in the design of the training program.

Expected Output: An evaluation will be performed. Lessons and presentations will be available in CIRCA BC. A report will be written and will be uploaded on CIRCA BC.

Duration: During 2019

Sub-activity 2.04 *Training Workshop (Art. 94.2.e)*

Objectives: Training of methods and evaluation

Description: Representatives of NRLs will be invited to attend a training in Freiburg in 2020. It will take place after or before the workshop 2.2. The training will cover technical aspects as regards the analysis of pesticides on products of AO including those with low analytical capabilities indicated in Chapter 4 of document SANCO/12745/2013 (latest version) and the exchange of experiences among participants. Special needs and problems of the laboratories will be considered in the design of the training program.

Expected Output: An evaluation will be performed. Lessons and presentations will be available in CIRCA BC. A report will be written and will be uploaded on CIRCA BC.

Duration: During 2020

Sub-activity 2.05 *Visit of a NRL (Art. 94.2.e)*

Objectives: Visit of a NRL with obvious analytical problems in 2019

Description: An NRL with obvious analytical difficulties will be visited allowing to identify problems directly in the laboratory – according to the experience, the identification of the real reason for underperformance is difficult on basis of questionnaires and/or exchange of emails and phone calls. The NRL will be selected after the evaluation of EUPT AO-14 and the Commission will be informed about the selected NRL.

Expected Output: Issues will be faced at the NRL and solutions to solve possible problems will be developed. A mission report will be written.

Duration: During 2019

Sub-activity 2.06 *Visit of a NRL (Art. 94.2.e)*

Objectives: Visit of a NRL with obvious analytical problems in 2020

Description: An NRL with obvious analytical difficulties will be visited allowing to identify problems directly in the laboratory – according to the experience, the identification of the real reason for underperformance is difficult on basis of questionnaires and/or exchange of emails and phone calls. The NRL will be selected after the evaluation of EUPT AO-15 and the Commission will be informed about the selected NRL.

Expected Output: To face issues within the NRL and to help overcoming possible problems. A mission report will be written.

Duration: During 2020

Sub-activity 2.07 *Test Material Service (Art. 94.2.d)*

Objectives: Test Material Service

Description: Rest overs from previous EUPT AO will be offered to NRLs (and OfLs) via CIRCA BC to be used for the internal quality control. On the request of NRLs (and OfLs) Test Items from previous EUPT AO will be sent to these laboratories. The analysis of the Test Items assists laboratories to check the quality of their methods and especially to identify any bias in results.

Expected Output: To improve the quality of the pesticide residue analysis. The number of requests will be reported in the technical report 2020.

Duration: Throughout 2019-2020

3

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

Please, provided activities related to Regulation (EU) 2017/625:
(Number of Sub-activity boxes can be adjusted by EURL)

- *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 3.01 *Technical and Financial Report for 2018, Art. 94.2.f*

Objectives: Provision of information to the European Commission concerning funds granted.
Description: In the frame of providing detailed information to the European Commission concerning the funds granted for the work program of 2018, the EURL AO will draft and submit by 30 April 2019 a full financial and technical report.
Expected Output: Technical and Financial Report for 2018.
Duration: < 1 month in 2019

Sub-activity 3.02 *Interim Technical and Financial Report for 2019, Art. 94.2.f*

Objectives: Provision of information to the European Commission concerning funds granted.
Description: In the frame of providing detailed information to the European Commission concerning the funds granted for the work program of 2019 and 2020, the EURL AO will draft and submit an interim financial and technical report describing the activities in 2019.
Expected Output: Interim Technical Report and Interim Financial Report for 2019
Duration: < 1 month in 2020

Sub-activity 3.03 *Planned activities and estimated budget for 2021 onwards, Art. 94.2.f*

Objectives: Provision of information to the European Commission concerning WP 2021

Description: In the frame of Regulation 625/2017, the EURL AO will draft and submit a budget estimation for the Work Program planned for 2021.

Expected Output: working program and budget estimation for 2021 onwards.

Duration: 4 month in 2020

Sub-activity 3.04 *NRL-OfL-Contacts, (Art. 94.2.f)*

Objectives: Maintenance of contacts to official laboratories (OFLs) and National Reference Laboratories (NRLs)

Description: For the EURL/NRL network, the list of all NRLs and contact points in the field “pesticides in food of animal origin and commodities with high fat content” will be kept updated. The list of NRLs will be published on the web page of EURL AO. In addition, all OfLs as reported by the NRLs will be added to another list and will be made available to the Commission and NRLs.

This task will be performed in close cooperation with the EURL for Single Residue Methods (EURL SRM).

Expected Output: Transparency on NRLs and OfLs, Clarification on inclusion of OfLs in EUPTS

Duration: Throughout 2019-2020

Sub-activity 3.05 *Support of Commission and EFSA including Article 12 Proposals (Art. 94.2.f)*

Objectives: Support of Commission and EFSA

Description: Scientific support to the Commission and EFSA as regards the evaluation of possible applicability of proposed post-registration methods in routine analysis laboratories and residue definitions, esp. in the case of article 12 proposals. If it is necessary to establish achievable LOQs for pesticides being considered as of low importance for food of animal origin and therefore not in the scope of EURL AO commercially available standards will be purchased and minimal validations according SANTE AQC Guidance Document in as much cases as possible will be performed.

Expected Output: Responses to consultation requirements, to EFSA’s Reasoned Opinions and to European Commission’s Draft Proposals.

Duration: Throughout 2019-2020

Sub-activity 3.06 *Documentation services I (Art. 94.2.f)*

Objectives: Maintenance of EURL website

Description: Maintenance of the EURL-website in cooperation with the other EURLs for pesticide residues, exchange of information via the website and updating on regular basis with the particular aim of disseminating information to NRLs. Information about important improvements of analytical methodology and major changes in EU legislation.

Expected Output: Always updated EURL website.

Duration: Throughout 2019-2020

Sub-activity 3.07 *Documentation services II (Art. 94.2.f)*

Objectives: Maintenance of CIRCA BC platform

Description: Maintenance of the CIRCA-BC Domain in cooperation with the other EURLs for pesticide residues; continuous provision of the status of the enrolled members, updating of the content

Expected Output: Actual information in CIRCA BC.

Duration: Throughout 2019-2020

Sub-activity 3.08 *Co-ordinating meetings I (Art. 94.2.f)*

Objectives: Participation in annual co-ordinating meetings and general management activities of the EURLs for Pesticides

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, EUPTs or web-applications. In certain cases online-meetings or tele-conferences will be carried out. Date and place of these events will be decided later.

Expected Output: Exchange and harmonizing of information; meeting reports.

Duration: Throughout 2019-2020

Sub-activity 3.09 *Co-ordinating meetings II (Art. 94.2.f)*

Objectives: Participation in annual co-ordinating meetings and general management activities of the Commission

Description: If planned by the Commission, participation in annual co-ordinating meetings and general management activities of the Commission (e.g. meetings between COM and directors of EURLs or between COM and the new EURLs for contaminants)

Expected Output: Exchange and harmonizing of information; meeting reports.

Duration: Throughout 2019-2020

Sub-activity 3.10 *International Cooperation (Art. 94.2.h)*

Objectives: Cooperation with international organizations, in particular EFSA, CEN, WHO and UNEP, and other institutes, and dissemination of information

Description: If required, cooperation with international organizations, also for harmonization of requirements in the field of pesticides analysis, where necessary. Participation in the 7th LAPRW in Foz do Iguazu (Brazil - May 2019), in the Nordic Pesticide Residue Workshop in Oslo (Norway - June 2019), RAFA Prague (Czech Republic – November 2019) and in the 13th EPRW in Granada, (May 2020) and other conferences for dissemination of information and achievements of the EURL.

Expected Output: Exchange of relevant information via oral and/or poster presentations.

Duration: Throughout 2019-2020

Sub-activity 3.11 *Scientific Committee for EUPT (Art. 94.2.f)*

Objectives: Harmonized Procedures for EUPTs for Pesticide Residues

Description: Online and mail discussions about matrices and target lists for EUPTs. EURL AO participates in all meetings to discuss and evaluate individual EUPT results and overall EUPT performances.

Expected Output: Harmonized EUPTs for Pesticide Residues

Duration: Throughout 2019-2020

Sub-activity 3.12 *Scientific Committee for the SANTE Document (Art. 94.2.f)*

Objectives: Harmonized Analytical Quality Control for Pesticide Residue Analysis

Description: Contribute in the revision of "Method Validation and Quality Control Procedures for Pesticide Residue Analysis in Food and Feed": Participation in all meetings of the Advisory Group for the improvement of the document and contributions by mail contacts.

Expected Output: Harmonized Procedures for Analytical Quality Control in Pesticide Residue Analysis

Duration: Throughout 2019-2020

Sub-activity 3.13 *Analytical and Scientific Support for NRLs (Art. 94.2.f)*

Objectives: Solving of Analytical Problems and Interpretation of Data / Documents

Description: General scientific information will be provided to NRLs. In particular in case of problems, NRLs will be supported with methods for MRM-pesticides. In certain cases also the analytes could be supplied (e.g. in case of lack of information about pesticides and the availability of the standards, degradation of standards).

Expected Output: Report concerning the number and type of requests that the NRLs will have in 2019/2020 and to how many of those the EURL-AO managed to respond.

Duration: Throughout 2019-2020task

Objectives: *Analysis of milk based baby food.*

Description: Milk and milk based baby food deriving from at least 5 different EU –member states should be analysed for the occurrence GC and LC amenable pesticides. A quantitative multi residue method for GC-MS/MS and LC-MS/MS developed and validated before will be applied (see task 1.04). The pesticide scope will include Chlorpyrifos, Emamectin, Ethoprophos, Fluquinconazole, Cyhalothrin, Cypermethrin and other relevant substances from the list of the German BfR. The analysis will be performed in cooperation with the EURL for Single Residue Methods in CVUA Stuttgart (samples to be shared for the analysis of the full residue definition)

Samples taken in Spain, Denmark and Germany are planned yet. In addition, EURL AO will contact NRLs to provide samples of milk and milk based baby food from their local market..

The number of milk samples analysed will be about 50 whereas the majority will be taken from the German market. Hint: the final number will depend on the number of samples EURL AO is able to obtain from the market, and as such it may be lower or higher than 50.

In addition, the number of infant sample will be about 50, too, whereas the majority will be taken from the German market. Hint: the final number will depend on the number of samples EURL AO is able to obtain from the market, and as such it may be lower or higher than 50.

If possible, at least 6 of the following product categories of Infant formulae shall be analysed: Infant formula; lactose-free infant formula; hypo-allergenic infant formula (containing hydrolyzed milk proteins); infant formula suitable for reflux disease; infant formula suitable for coeliac disease; organic infant formula; soya based infant formula.

Expected Output: Monitoring the exposure of milk (part I) and milk based baby food (part II) in the EU. A report will be communicated to the European Commission.

Duration: 2019 and 2020.

4

REAGENTS AND REFERENCE COLLECTIONS

Please, provided activities related to Regulation (EU) 2017/625:
(Number of Sub-activity boxes can be adjusted by EURL)

- **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 4.1 (*name of Sub-activity*)

Objectives:
Description:
Expected Output:
Duration:

Sub-activity 4.2 (*name of Sub-activity*)

Objectives:
Description:
Expected Output:
Duration:

Sub-activity 4.3 (*name of Sub-activity*)

Objectives:

EURL-AO

Description:
Expected Output:
Duration:

Sub-activity 4.x (*name of Sub-activity*)

Objectives:
Description:
Expected Output:
Duration:

5

REQUIREMENTS RELATED TO OTHER LEGISLATION

Please specify applicable legislation:
(Number of Sub-activity boxes can be adjusted)

Sub-activity 5.1 (*name of Sub-activity*)

Objectives: Description: Expected Output: Duration:
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EURL-AO

REMARKS

(if necessary)
