

WORK PROGRAMME of EURL for  
**PESTICIDE**  
**RESIDUES IN FRUITS**  
**AND VEGETABLES**

PERIOD: 2018

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## INTRODUCTION

EU Reference Laboratories (EURLs) aim to ensure high-quality, uniform testing in the EU and support Commission activities on risk management and risk assessment in the area of laboratory analysis.

Regulation (EC) No 625/2017 on official controls and other official activities performed to ensure the application of food and feed law, rules on animal health and welfare, plant health and plant protection products, defines tasks and responsibilities for all the EURLs. Some of them are: to provide National Reference Laboratories (NRLs) with analytical methods and diagnostic techniques, and coordinate their application; to train staff from NRLs; to provide the Commission with scientific and technical expertise in relation to laboratory analysis and to collaborate with the competent laboratories in non-EU countries. Based on the aforementioned, some of the specific activities of the EURL for pesticide residues in fruits and vegetables are the organisation of proficiency tests, the coordination and edition of the Analytical Quality Control guidelines or the assistance to the Commission and EFSA for Art. 12 MRL reviews.

Every year the EURLs submit their work programmes demonstrating their contribution to the Commission's objectives and priorities and request annual EU funding to fulfil their tasks and functions to cover their operational costs.

## 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)*

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## 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 1.1 *Updating the EURL website and the EURL DataPool*

Objectives: To update and maintain the EURL-FV webpage, as well as contribute to the design and contents of the EURL DataPool (in cooperation with the other EURLs).

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Description: The dedicated webpage “EURL for Fruits and Vegetables”: <http://www.eurl-pesticides.eu/docs/public/home.asp?LabID=500&Lang=EN>

located at the EURLs common website (<http://www.eurl-pesticides.eu>), designed to support dissemination of information and network activities, is continuously updated. It represents the main source of information exchange between the EURLs and the NRLs as well as with other official EU and third countries laboratories. The EURL-FV website holds information about the activities and events carried out by the EURL-FV as well as available published reports and scientific papers. It also holds forms, sheets and other documents ready to fill out on-line, thus facilitating management tasks and quality monitoring as well as direct links to other relevant websites. Constant collaboration between the EURL-FV and the EURL website management is necessary.

Furthermore, the website aids contacts (via specific links) between laboratory researchers and experts providing a valuable tool for dissemination. The website includes different sections, corresponding to the activities of the EURL: Proficiency Tests, Workshops, Services, The EURL-FV Network, AQC Panel and Library.

Expected Output:

- Forms and other information to conduct the 2018 EUPTs will be uploaded onto EUPT-FV area.
- Information and main presentations of the webinars to be organized in 2018 (see sub-activity 2.5) will be included into the Workshop topic:

EURL-WEBINARS:

[http://www.eurl-pesticides.eu/docs/public/tmpl\\_article.asp?LabID=500&CntID=933&Theme\\_ID=1&Pdf=False&Lang=EN](http://www.eurl-pesticides.eu/docs/public/tmpl_article.asp?LabID=500&CntID=933&Theme_ID=1&Pdf=False&Lang=EN)

- Access to the AQC Panel topic in the main EURL website and in our specific area will allow laboratories to consult the “Analytical quality control and validation procedures for pesticide residues analysis in food and feed.” (SANTE/11813/2017). The site will allow constant feedback from the laboratories, so it will be useful in collecting information or suggestions from laboratories on the future revisions of the document.

- The results of the scientific activities developed by the EURL-FV will be published as technical or scientific documents, and the most relevant will be disseminated in the EURL-FV website through the Library section making them available for NRLs, Ofls and members of the scientific community.

Duration: Throughout the year

### *Sub-activity 1.2 Follow up on requests from NRLs for providing analytical standards*

Objectives: To supply analytical standards to the NRLs under request.

Description: In order to promote the enlargement of the NRLs’ analytical scope and to offer them the possibility to verify their standard solutions, we will provide them with the analytical standards that they request.

Expected Output: At the beginning of 2018, with the publication of the EUPT-FV20 target lists (mandatory and voluntary), we expect to receive requests from NRLs to send them analytical standards of those pesticides newly included in the lists of possible pesticides of the EUPT-FV20. Furthermore, during the year, for example, with the publication of the coordinated multiannual control programme of 2019, 2020 and 2021, we will provide them with the requested substances.

Duration: Throughout the year

## Sub-activity 1.3 *Analysis of official samples*

**Objectives:** To carry out analysis of fruits and vegetable samples for the analysis of pesticide residues within the frame of National and EU official controls.

**Description:** The EURL-FV yearly analyses fruits and vegetable official samples as part of the national control programme and the EU coordinated multiannual control programme (MACP).

**Expected Output:** To analyse 2000 official samples during 2018.

**Duration:** Throughout the year

## Sub-activity 1.4 *Organisation of proficiency tests and follow up on the results*

**Objectives:** To organise proficiency tests simulating, as far as possible, the real sample conditions and to follow up on the results obtained by the NRLs and OfLs, emphasizing on unacceptable results.

**Description:** The European Proficiency Test on fruits and vegetables EUPT-FV20, in accordance with previous schemes and statements, will be open to all OfLs, especially the NRLs of EU Member States. Additionally, laboratories from EFTA countries and other third countries will be invited to participate, so quality assurance can reach them on the basis of the proficiency test. These countries might be invited to take part after *Health and Food Audit and Analysis* recommendation and by request of DG SANTE.

This EUPT will be carried out in a way which simulates, as far as possible, the real sample conditions that arrive at a laboratory in its routine work such as: the use of commercial formulations for pesticide treatment; homogeneity of intra-samples and the consideration of all classes/types of compounds. In order to facilitate analytical performance control to the laboratories, a “blank” sample will be provided in each EUPT.

The commodity used for the test material of EUPT-FV20 will be green beans. The test material will contain incurred pesticides. The whole organisation of the EUPT will be very similar to that of previous EUPTs performed by the EURL-FV.

Additionally, a second intercomparative study using screening methods (EUPT-SM10) will be organized in parallel to EUPT-FV20, with the intention to promote the rapid screening of a large number of pesticide residues in the EU control laboratories over a very short period of time (72 h). In this way, the scope of the methods in screening mode could reach 500-700 compounds in a rapid inexpensive way. This information supports OfLs in checking their performance in these situations. It allows the EURL to identify the large scope laboratories (“scouting laboratories”). This activity is well accepted by OfLs as can be confirmed by the increasing participation (more than 70 EU OfLs) in previous rounds.

Participation in this PT remains on a voluntary basis; nevertheless, all NRLs and OfLs involved in the determination of pesticide residues in fruit and vegetables for the EU-coordinated monitoring programme, or for their own national programmes and third countries will be invited to take part.

A third proficiency test will be organised in order to offer the NRLs and OfLs the possibility to test their methods with special commodities such as baby food, herbs, spices, etc. and evaluate their performance with regard to those commodities. Participation in this PT remains on a voluntary basis.

These Proficiency Tests will be based on the Quality Control Norm ISO/IEC 17043: Conformity assessment - General requirements for proficiency testing.

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Once a year, the EURL-FV will organise a meeting of the EUPT-Panel (EURLs + EUPTs Scientific Committee) to discuss the evaluation of the EUPT results and to decide about the following years' EUPTs.

Expected Output: Three proficiency tests will be organised during 2018: EUPT-FV20, EUPT-SM10 and EUPT-SC02.

Duration: Throughout the year

## Sub-activity 1.5 *Cooperation and meetings with other EURLs*

Objectives: To maintain a smooth channel of communication between the EURLs for pesticide residues.

Description: Constant collaboration with the other pesticide residue EURLs will be maintained for general management activities and other specific tasks. Additionally, every year the four EURLs will meet in order to discuss specific issues like the EURLs webpage, EUPTs or joint workshops. 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.

Expected Output: In 2018 a meeting with the EURLs is expected to be celebrated in Denmark (organised by EURL-CF) in order to organise the common webpage for the EUPTs.

Duration: Throughout the year

## Sub-activity 1.6 *Development and validation of analytical methods: Development of a HRAMS method for the analysis of frequently found pesticides in fruits and vegetable including compounds with special difficulties.*

Objectives: Development of HRAMS method.

Description: During 2017 a method combining accurate mass screening with quantitative detection was developed for commodities with a high number of co-extractives such as spices, herbs, oily matrices, etc. This method will be adapted for the analysis of frequently found pesticides in different commodity groups of fruits and vegetables including compounds with special difficulties.

Expected Output: 1 Technical report and/or scientific publication.

Duration: 4 months

## Sub-activity 1.7 *Development and validation of analytical methods: New food products with high consumption in the EU (super-foods)*

Objectives: To develop analytical methods for novel foods.

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Description: The current attention on superfoods has likely been encouraged by a growing public interest in food and health, particularly in the developed world. Those novel foods are relatively new in the EU market and in some cases unknown to the laboratories. Additionally, some of those commodities present special difficulties in their analysis due to the complexity of their composition, which affects in the sense of an acute matrix effect or in the incomplete extraction due to gel formation. These difficulties can affect both the identification and quantification of the samples. Due to the beneficial properties of some of those novel foods it is foreseeable that its consumption increases with time. In 2018 the EURL-FV will develop and validate analytical methods based on the three main multiresidue (MRM) extraction methods (QuEChERS, SweEt and NL-miniLuke) for the analysis of novel foods such as chia seeds, goji berries, etc... by both gas and liquid chromatography coupled to tandem mass spectrometry (GC-MS/MS and LC-MS/MS). The scope of the methods will cover at least those MRM amenable pesticides included in the MACP.

Expected Output: 1 Technical report and/or scientific publication.

Duration: 4 months

*Sub-activity 1.8 Development and validation of analytical methods: Comparison of commercial certified standard solutions.*

Objectives: To compare commercial certified standard solutions in order to verify the suitability for quantification of pesticide residues.

Description: Nowadays many laboratories use commercial mixes of certified standard solutions instead of preparing the standard mixes themselves, since it leads to important saving in terms of time and laboratory work. However, some problems of erroneous quantification have been encountered. For this reason, the EURL-FV will compare different commercial certified standard solutions in order avoid mistakes in laboratory quality control activities.

Expected Output: 1 Technical report and/or scientific publication.

Duration: 4 months

*Sub-activity 1.9 Validation of the main MRM methods at LOQs not higher than 5 µg/Kg in fruits and vegetables.*

Objectives: To encourage the NRLs and OfLs to lower the LOQ to 5 µg/Kg in fruits and vegetables.

Description: Nowadays the application of highly sensitive analytical methodologies in the laboratories allows to achieve LOQs below 0.010 mg/kg. In order to facilitate the transition to low LOQs, the EURL-FV will validate gradually and in collaboration with EFSA, those pesticides included in the MACP and the working document for the three main multiresidue methods implemented by the EU NRLs and OfLs.

Expected Output: 1 Technical report.

Duration: 4 months



Sub-activity 1.10 *Development of a HRAMS method to detect unauthorised substances or the unauthorised use of authorised substances.*

Objectives: Evaluation of exact mass libraries for the development of a HRAMS method for unauthorised substances.

Description: Constant positive findings of non-authorized pesticides in the European Union or authorised substances with unauthorised use brings out the need to include some of these low-frequency pesticides in routine analysis. However, due to their low frequency, for an effective handling it is advisable to include them in HRAMS screening methods. With this aim the EURL-FV will evaluate the use of exact mass libraries in order to apply them in the aforementioned screening methods.

Expected Output: 1 Technical report and/or scientific publication.

Duration: 4 months

Sub-activity 1.11 *Development and validation of analytical methods: Evaluation of supercritical chromatography for matrix removal in case of analysis of difficult matrices.*

Objectives: Development of modular multiresidue method.

Description: In the analysis of difficult commodities with high matrix effects two approaches can be used: the modification of the clean-up step making it specific for a certain commodity, or the modification of the chromatography used. This latter approach will be explored, and in the same way that specific clean-up methods are used as modules for difficult commodities, the modular concept will be extended to different chromatographic systems such as ion chromatography or supercritical fluid chromatography (SFC). This one is an alternative for conventional reverse phase liquid chromatography applied for the analysis of pesticide residues. The use of SFC coupled to triple quad mass spectrometry often provides a faster and more accurate analysis comparing with the conventional reverse phase liquid chromatography, leading thus to shorter run times. Besides, it shows unique capabilities and advantages such as absence of water, high sensitivity and reduced matrix effect.

Expected Output: 1 Technical report and/or scientific publication.

Duration: 4 months

Sub-activity 1.12 *Development and validation of analytical methods: Strategies to avoid thermal degradation of specific compounds when analysed by gas chromatography coupled to tandem mass spectrometry.*

Objectives: To develop a method that avoids thermal degradation of specific compounds.

Description: Some pesticides like captafol, captan, folpet or carbosulfan degrade when injected by gas chromatography coupled to tandem mass spectrometry with a multimode injector, with the problem that they have common and thus non-selective metabolites. The EURL-FV will study possible strategies to avoid this thermal degradation, such as the use of a cool on-column injector. A method

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will be developed and validated following that strategy, enabling that way the analysis of such thermolabile compounds.

Expected Output: 1 Technical report and/or scientific publication.

Duration: 4 months

*Sub-activity 1.13 Development and validation of analytical methods: Update of the GC-Q-TOF-MS database of exact masses of pesticide fragments in EI mode and development of a GC-Q-TOF-MS database in NCI mode. Validation of the corresponding screening methods.*

Objectives: Update of a GC-Q-TOF-MS database of exact masses.

Description: In previous years a database in electron impact mode was created and was updated with new pesticides and their fragments in collaboration with the EURL-CF. This collaboration will continue in 2018 with the inclusion of more pesticides and their fragments in the database. The selection of the pesticides will be made in order to cover as many compounds as possible of the EU multi-annual control programme. The data will subsequently be uploaded onto the EURL database.

Expected Output: Database with at least 400 pesticides and their fragments.

Duration: 4 months

### 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 2.1 *Providing technical and scientific support to NRLs*

Objectives: To support the NRLs in the development of their analytical methods and the enlargement of their scope of analysis.

Description: The results of the scientific activities developed by the EURL-FV will be published as technical or scientific documents, depending on the impact of the activities. They will be disseminated in the EURL-FV website ([www.eurl-pesticides.eu](http://www.eurl-pesticides.eu)), through the Library section, making them available for OfLs and members of the scientific community. The main EURL-FV contributions to international conferences will also be uploaded to the EURL-FV website.

Additional assistance to the NRLs will be supported by constant communication via e-mail and telephone.

Expected Output: In 2018 at least six new technical reports and/or scientific papers will be published on the website.

Duration: Throughout the year

#### Sub-activity 2.2 *Organisation of workshops*

Objectives: To organise a workshop with the NRLs to act as a platform for information exchange.

Description: In 2018, the annual EURL/NRLs-FV workshop will be celebrated together with the EURL-SRM in Almería, Spain, and organised by EURL-FV. The workshop will be held over two days and will consist of technical and scientific communications and round tables. Extensive interaction with all

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NRLs that will attend will be the main objective. Attention will also be paid to the evaluation of the EUPT results and their relation with the various analytical methods applied by the NRLs and OfLs establishing actions for improvement.

NRLs representatives from all the EU Member States will participate in the workshop, with a maximum of 46 eligible participants. The workshop will be celebrated in September 25<sup>th</sup>-26<sup>th</sup> 2018.

Expected Output: Report on Workshop, pdf of presentations on website, Evaluation forms (satisfaction index of participants and their comments).

Duration: 2 months

## Sub-activity 2.3 Organisation of training courses

Objectives: To organise a training course for staff from national reference laboratories in order to provide them with scientific and technical assistance.

Description: The EURL-FV will support the NRLs with technical "lab activities". This technical assistance will consist on the selection of a limited group of NRLs (8-10) to develop technical training of 1-2 days duration at the EURL-FV laboratory (Almería, Spain). In 2018 the training will be focused on new mass spectrometry platforms for pesticide residues.

The training course will also aim to introduce modifications in the SANTE document as regard the identification and validation procedures for accurate mass spectrometry.

The training is expected to be celebrated in September 27<sup>th</sup> – 28<sup>th</sup> 2018

Expected Output: Report on Workshop, pdf of presentations on website, Evaluation forms (satisfaction index of participants and their comments).

Duration: 2 months

## Sub-activity 2.4 Visits of NRLs

Objectives: On the spot visits to the NRLs in order to give them technical and scientific support.

Description: The EURL-FV will visit one NRL with deficits in the areas of EUPT-performance, analytical scope or country network of OfLs. The NRL to be visited will be selected based on the EUPT-FV results, and will be specified at a later stage in consultation with DG SANTE.

Expected Output: Mission Report

Duration: 2 weeks

## Sub-activity 2.5 Organisation of webinars

Objectives: To disseminate scientific and technical results in an interactive way.

Description: The EURL-FV in collaboration with EURL-AO/CF/SRM, will conduct webinars with the aim to disseminate technical information to the NRLs and OfLs in a cost effective but still interactive way

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These webinars will be coordinated by the EURL-FV and will be especially focused on dissemination of PT results and the main analytical methods developed. Virtual conference services of these activities will be subcontracted.

During 2018 the EURL-FV will organize at least three webinars, being the main relevant topics those activities related to the Work Programme 2018, such as the results of the EUPT-FV20, EUPT-FV-SM10, EUPT-FV-SC02.

Expected Output: Report on activity.

Duration: 2 weeks

## *Sub-activity 2.6 Updating and publication of the list of NRLs*

Objectives: To update the network of NRLs and OfLs.

Description: The network of NRLs and OfLs is constantly changing, and for this reason it is necessary to keep it updated. Every year before the participation in EUPT-FV, the EURL-FV contacts the NRLs in order to obtain the detailed list of OfLs. In parallel, the EURL DataPool also gathers information about possible changes in the list.

Expected Output: Updated list of NRLs published in the EURL-FV website.

Duration: 1 month

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## 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 3.1 *Information on LOQs, residue definitions and standards for Art. 12 MRL reviews, new active substances and other substances, when requested by COM*

Objectives: To give technical and scientific support to the Commission when requested.

Description: Constant communication will be established with the Commission via e-mail, phone calls or meetings. Whenever the need arises, technical advice will be provided to the DG SANTE upon request. This is a horizontal task with the four EURLs and coordinated by the EURL-SRM and EURL-CF.

Expected Output: In 2018 this activity will continue as in previous years.

Duration: Throughout the year

Sub-activity 3.2 *Assistance to COM for the EU MACP and the monitoring working document*

Objectives: To give technical and scientific support to the Commission in the drafting of the EU MACP.

Description: Assistance to the European Commission will continue regarding the selection of the number of analyses, commodities and pesticide lists to be monitored by the Member States in the

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coordinated multiannual control programme of the Union for 2020, 2021 and 2022. This assistance will also be related to the update of the list of pesticides included in the monitoring working document.

Expected Output: To contribute to the new versions of the MACP and monitoring working document.

Duration: 2 weeks

### *Sub-activity 3.3 Contribution to the revision of the analytical quality control guidelines*

Objectives: Update and edition of EU Guidelines on Quality Control Procedures.

Description: In order to continue the process of achieving complete harmonisation measures for pesticide residue analysis within the EU, the SANTE document “Analytical quality control and method validation procedures for pesticide residues analysis in food and feed” (SANTE/11813/2017) needs to be revised and updated on continuous basis.

Therefore, the aim is to carry on with the specific forum (QC Panel) on the EURL-FV website to facilitate the discussion and to point out difficulties and improvements on the EU AQC Guidelines. This network will provide interaction among EURLs-NRLs-OfLs. The outcome of the discussion in this specific forum will improve and facilitate further updated revisions of the EU QC Guidelines, to be presented in the joint workshop every two years.

Expected Output: The expected activities for 2018 are to collect changes for the new version, apart than those from the QC Panel, from the Joint Workshops with EURL-SRM organised in Almería in 2018, and from the specific training to the NRLs organised in Almería. Additionally, the AQC Advisory group together with the four EURLs will meet once in 2018 in order to discuss about the possible changes and modifications to the SANTE Guidelines.

Duration: 1 month

### *Sub-activity 3.4 General technical support to the Commission*

Objectives: To provide technical and scientific support to the Commission when requested

Description: Technical and scientific support to the Commission will be provided when requested. Constant communication will be established via e-mail, phone calls or meetings. Whenever the need arises, technical advice will be provided to the DG SANTE upon request.

Expected Output: Attendance to the Standing Committee (PAFF) meetings at request of the DG SANTE and assistance to the audit team of the department *Health and Food Audits and Analysis* if they so request it, by accompanying the inspectors in the audit visits giving technical support as a “national expert”.

Duration: Throughout the year

*Sub-activity 3.5 Collaboration with European and international organisations (EFSA, CEN, ISO, ...)  
Comments to EFSA on LOQs, standards and methods at the stage of the draft reasoned opinion.*

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**Objectives:** To provide scientific support to EFSA.

**Description:** Involvement in the EFSA residue evaluation process by giving opinions and advice, especially regarding residue definition and post registration analytical methods. In the case of new substances, it is estimated to carry out experimental analytical work if requested by the DG SANTE. This is a horizontal task with the four EURLs and coordinated by the EURL-SRM and EURL-CF.

**Expected Output:** In 2018 this activity will continue as in previous years.

**Duration:** Throughout the year

## *Sub-activity 3.6 Collaboration with European and international organisations (EFSA, CEN, ISO, ...) Participation in the EFSA networking group on pesticides residues monitoring*

**Objectives:** To provide technical and scientific support to EFSA in the EFSA networking group on pesticides residues monitoring.

**Description:** The EURL-FV yearly collaborates with EFSA with, among others, the attendance to the meetings of the Networking Group on Pesticide Monitoring, with presence of the Member States, the EFTA countries, the European Commission and EFSA. The technical and scientific assistance includes all matters related to pesticide residues monitoring covered by Regulation (EC) No 396/2005, including the preparation of the EFSA Annual Reports on Pesticide Residues and the review of the EFSA standardised data model for reporting the monitoring results.

**Expected Output:** In 2018, one representative from the EURL-FV will attend the two meetings of the networking group, celebrated in Spring and in Autumn.

**Duration:** 2 weeks

## *Sub-activity 3.7 Collaboration with Third Countries.*

**Objectives:** To promote the international networking and dissemination of information and activities from the EURL-FV, especially in countries with intensive European export-import relationships.

**Description:** This assistance will be supported by, at least, constant communication via e-mail and telephone. Selected third countries will be invited to participate in the workshops and training courses as well as to visit the laboratories in relevant cases. Important information for selection of laboratories to participate in EUPT will come from the *Health and Food Audits and Analysis* section as a consequence of their inspections.

**Expected Output:** In 2018 it is foreseen to receive students from Uruguay, Colombia and Argentina. Additionally, scientific collaboration with China, and Egypt is also expected.

**Duration:** Throughout the year

## *Sub-activity 3.8 (Participation in symposiums, workshops and seminars for the dissemination of scientific information.*

**Objectives:** To disseminate the EURL-FV activities to the scientific community.



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Description: The most relevant results of the scientific activities developed by the EURL-FV will be presented as posters and/or oral presentations in international workshops.

Expected Output: The EURL-FV will participate in the European Pesticide Residue Workshop (EPRW 2018, Munich, Germany) with an oral presentation of the scientific activities developed in the laboratory.

Duration: Throughout the year