

WORK PROGRAM
FOR THE
EU REFERENCE LABORATORY
FOR PESTICIDE RESIDUES REQUIRING
SINGLE RESIDUE METHODS

Time: January 2016-December 2017

LEGAL FUNCTIONS AND DUTIES

The functions and duties of the EU Reference Laboratory are described in Article 32 of the EC Regulation No 882/2004.

Contents:

- A. General tasks**
- B. Development and validation of analytical methods**
- C. Quality assurance and quality control including the organisation and implementation of proficiency tests**
- D. Technical and scientific support to NRLs, OfLs and third country labs**

A. General Tasks

A.1 EURL coordination

Tasks: Inter-EURL-meetings (eligible as missions), 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.

Period: To be decided later following consultations with the other EURLs and/or DG-SANTE.

Deliverables: Minutes of meetings prepared by one of the participating EURLs

A.2 Preparation of work programs, PI-tables (ex-ante and ex-post) and annual reports (financial and technical)

Tasks: In the period 2016 and 2017 the following reports are expected to be prepared and submitted to DG-SANTE: a) Annual reports for 2015 (financial, technical and PI ex-post); b) Interim report for 2016; c) Work program and PI ex-ante table for 2018/19.

Period: March 2016, March 2017 and July-December 2017 (including the negotiations for fixing work program and budget)

Deliverables: Annual Reports for 2015 in March 2016, Intermediate report for 2016 in March 2017, Work Program for 2018/19 in September 2017, PI ex-ante for 2018/19 as requested.

A.3 Cooperation with International Organizations

Tasks: Cooperation with Int. organizations such as EFSA, the Codex Committee on Pesticide Residues (CCPR), CEN, FAO/IAEA will continue as necessities arise. If requested by DG-SANTE, documents will be revised or missions to attend meetings will be conducted.

A.4 Maintenance of Joint EURL-Website (HORIZONTAL task for the benefit of all 4 EURLs)

Tasks/Period/Deliverables: see below

Background: Following an agreement between the COM and the other 3 EURLs on pesticides the EURL-SRM has introduced a Joint EURL-Website for the four pesticide EURLs (www.eurl-pesticides.eu). The Joint EURL-Website aims to facilitate the dissemination of information to NRLs and OfLs in an efficient, timely and transparent way. It consists of a joint portal-website that is administered by the EURL-SRM as well as by 4 individual websites that are administered by the 4 respective EURLs.

Tasks: In 2016/17 the joint portal-website and the individual web-sites of the EURLs will be further upgraded, gradually filled with new information and existing links, overview-sites as well as documents will be updated. Missing features will be gradually implemented considering the needs and suggestions by DG-SANTE, the 4 EURLs and the lab-Network.

Period: Throughout 2016/17

Deliverables: updated links and pages within the joint portal-website and the SRM-website

A.5 EURL-DataPool Service

Background: Following an agreement between the COM and the other 3 EURLs, the EURL-SRM has installed an “**EURL-DataPool Service**” entailing numerous interlinked databases with information of practical interest to the network-laboratories via www.eurl-pesticides-datapool.eu (= output I). The EURL-DataPool Service is administered by the EURL-SRM as a horizontal activity and aims to store information about the entire network of laboratories working in the area of pesticides, to illustrate, and at the same time, strengthen the laboratory network, to facilitate the conservation of knowledge about pesticides, and to offer COM, EFSA, EURLs, NRLs and OfLs fast access to valuable information that can be used to assist decision-making and strategic planning (= output II). Special focus is being placed on the generation, collection and evaluation of experimentally-obtained data generated by various laboratories including the EURLs (e.g. MS/MS-transitions, LC- and GC-high resolution MS data, validation data, stability data of compounds and EUPT data).

Tasks / Deliverables: see table below;

Period: throughout 2016/17 at www.eurl-pesticides-datapool.eu

List of databases within the EURL-DataPool-Service

Databases/Website/eTools	Task	Deliverables	Examples where DB is used/interlinked
EURL-DataPool-website (www.eurl-pesticides-datapool.eu)	The .NET Framework of the website will be further upgraded in order to keep the website constantly up-to-date with new web-developments.	Gradual upgrades and updates throughout 2016 and 2017	See below
Analytical Methods DB	Many pesticide-related CEN-methods are arranged in several modules like extraction, clean up, extract stability, detection and quantification. Additionally, each module may be composed of variations (e.g. no cleanup or clean up with PSA). This modular concept will be transferred into the database in order to better reflect the possible variations within each module and the structure of CEN-documents. This will allow a more accurate differentiation between the different variations of methods and a better aggregation and interpretation of the results. This activity involves extensive redesign and programming of the present database. Data collected in previous years will be transferred into the new database structure. Data collection on various methods and its import into the DB will be continued (needed in the background for Stability DB, Method Validation DB)	Gradual updates/upgrades throughout 2016 and 2017	a) Method Validation DB b) Method Finder
Method Validation DB	The Method Validation DB will be interlinked with the restructured Analytical Methods DB on database model-level in order to prevent inconsistencies in the data. Additionally, new and important parameters (e.g. time elapsed between spiking and extraction/or water addition; soaking time after adding water to spiked sample; evaporation time) will be introduced. This process includes also the transfer of the existing data (437.000 datasets on recovery experiments) into the new data-model. Data on experimental details and recovery rates achieved by various labs using various methods (e.g. QuEChERS, QuPPE, QuOil, SweEt) will be collected in cooperation with NRLs and/or EURLs and imported into the DB. Consultations with EFSA will be initiated to find out how certain data submitted by applicants can be introduced in the DB.	Gradual updates/upgrades throughout 2016 and 2017	a) “Art. 12” activities, b) Pesticides DB, c) Pesticide Ranking List (PeRL) d) Analytical Methods DB

Databases/Website/eTools	Task	Deliverables	Examples where DB is used/interlinked
Pesticides DB	<p>Generation or collection of further data for the characterization of pesticides (e.g. GC-, LC-amenability, analytical behavior, GC-MS-spectra, GC-MS/MS-transitions; LC- and GC-high resolution MS-data, solubility in acetonitrile) and import into the DB. This includes the creation of new entries for pesticides and metabolites not yet in the DB.</p> <p>The SANCO/12571/2013-document suggests to introduce representative compounds for calibration and routine recovery checks when specific criteria are met (see C20 and C40). Comprehensive details on the definition of compound-groups and selection of representative analytes are not given in the guideline. The data collected in Pesticides DB and e.g. Method Validation DB will be used to define groups of compounds with homogeneous physico-chemical and analytical properties. The goal is to localize several groups of pesticides, each entailing several pesticides. Any of the pesticides in each group should in principle be considered as representing the group. A collaboration with the French NRL-SRM is envisaged in this task.</p> <p>The Pesticides DB contains parameters that describe critical properties of pesticides for the quantitative analysis (e.g. GC-decomposition, matrix effects and tailing in GC, sensitivity when applying different ionization modes (EI, ESI(+), ...)). In view of the large number of pesticides (currently 1590 entries), it is difficult for the EURL-SRM to cover all compounds and parameters. Thus, this activity will be further intensified by a cooperation with experts from "Working Group Pesticides", a sub-group of the German Chemical Society (GDCh). Additional critical properties (e.g. stability in alkaline/acidic solvent) will be introduced after discussion with the experts.</p>	<p>Gradual updates/upgrades throughout 2016 and 2017</p> <p>2016 and H1 2017: selection of criteria for definition of compound-groups and representative analytes H2 2017: First list of pesticide groups each containing a number of pesticides.</p> <p>Gradual updates of critical properties throughout 2016 and 2017</p>	<p>a) "Art. 12" activities, b) Pesticide Ranking List (PeRL), c) Method Validation DB, d) Stability of Compounds DB e) Method Finder</p>
Stability of Compounds DB	<p>Collection of more stability data on pesticides/metabolites and import into DB. This task strongly depends on the submission of stability data by other labs. The EURL-SRM is in contact with several labs that generated a considerable amount of pesticide stability data. Submission of this data to EURL DataPool cannot be guaranteed. Results from stability experiments conducted by EURL-SRM will be imported.</p>	<p>Gradual updates/upgrades throughout 2016 and beyond</p>	<p>Pesticides DB</p>
Pesticide Authorizations DB	<p>Data collection and updating as well as import into the DB of information about the authorization of pesticides in the EU and some third countries.</p>	<p>Gradual updates/upgrades throughout 2016 and 2017</p>	<p>Pesticide Ranking List (PeRL)</p>
Commodities DB	<p>Data collection on commodities and import into the DB.</p>	<p>Gradual updates/upgrades throughout 2016 and 2017</p>	<p>Validation DB</p>
Lab-Network DB	<p>Permanent updating of lab-specific information (lab contact data, lab-functions, fields of work, email-addresses of contact persons, instrumentation available, tasks within the frame of official controls (import controls, commodity scope, pesticide scope, etc.))</p> <p>A tool will be established to allow NRLs to update certain data concerning the laboratories within their network.</p> <p>Laboratories analyzing organic food samples for pesticide residues on behalf of the EU-Member States within the frame of Regulation EC 834/2007 will be imported into the Lab-network DB. These "organic"-labs will then be considered in the "List of obliged labs". To accomplish this activity, the EURL-SRM is in close contact with the FVO.</p> <p>A survey to update the pesticides scope of the OfLs will be carried out (with focus on pesticides included in the MACP).</p>	<p>- up-to-date email-lists of lab contact persons of all NRLs and OfLs (export as xlsx-file possible), openly accessible - <u>only for EURL-members</u>: lab-list reflecting the individual EURL-lab-network; - <u>only for NRL-members</u>: lab-list reflecting the individual NRL-lab-network for each country - "List of obliged labs" for participation in EUPTs in 2016 and 2017 - Updated pesticides scope list of all OfLs in 2016 H1</p>	<p>Convenient compilation of customized lab-contact lists (e.g. for invitations to EURL-activities such as EUPTs, Surveys, for the dissemination of information). Compilation of the "List of obliged labs" for participation in EUPTs</p>

Databases/Website/eTools	Task	Deliverables	Examples where DB is used/interlinked
EUPT-Archive DB EUPT Evaluation Tools	Import of EUPT-data (FV17; CF9; AO10; SRM10 from 2015 and FV18; CF10; AO11; SRM11 from 2016) into the DB. Design of new online-tools for EURLs and NRLs allowing them to view and to assess the EUPT-performance of the labs within their network both on a laboratory basis as well as overall. This activity will be carried out in close cooperation with a representative from EURL-FV and will involve a 1 week mission of 1 person to Stuttgart. The result of this collaboration will be discussed within all EURLs and eventually the EUPT-Advisory Group. After agreement on certain views, programming will be initiated progressively. Evaluations, that are necessary for the planning of future PTs or the establishment of general evaluation rules, will be discussed and elaborated in close cooperation with the other 3 EURLs.	Gradual updates/upgrades throughout 2016 and 2017, new online views	Evaluation of long-term PT-performance of labs or countries, "SRM-PinBoard list"
MRL Residue Definitions DB	- Updating of EU MRL residue definitions on regular basis - Codex MRL residue definitions (once a year after the annual CCPR-meeting); - Updating of compound conversion factors within DB	Gradual updates/upgrades throughout 2016 and 2017	a) "Art. 12" activities, b) Pesticide Ranking List (PeRL), c) Pesticides DB d) Tool for Calculation of Sum (SumCaT)
High Resolution MS Search Tool	Introduction of a search-tool for pesticides via exact mass-data in order to enable identification of unknown signals from LC- and GC-high resolution MS-analysis.	Search Tool in 2016 H2	
SRM-Pinboard Tool	The calculation approach developed under C.5 will be introduced into the EURL DataPool-website. The system will semi-automatically compute the list of proficient labs. OfLs that wish to enter the list or adjust their status in the list, will be able to do the appropriate changes online at any time.	Online SRM-Pinboard list in 2017	a) Lab-Network DB b) EUPT Archive DB
EUPT Registration Tool (depending on joint decision by EURLs)	The Lab-Network DB contains most of the relevant information needed for the registration of a lab for an EUPT (e.g. lab address, commodity scope, contact persons). Missing information (e.g. invoice address) can easily be collected. Each NRL has the possibility to cross-check the registered OfLs of its lab-network and identify missing labs. The 4 EURLs will discuss and jointly decide if the EURL DataPool-website should be used for the EUPT registration procedure.	Registration to EUPTs in 2017 and beyond (if there is an agreement between the 4 EURLs)	

B. Development and Validation of Analytical Methods

B.1 Quick Polar Pesticides Method (QuPpe Method)

Background: The EURL-SRM has developed a method for the simultaneous analysis of several highly polar pesticides not amenable to multiresidue procedures. The method, which is employed by various OfLs involves a common extraction followed by LC-MS/MS analysis.

Task: Further method development activities will be conducted with the aim to expand, where possible, the scope of the method by additional highly polar pesticides and metabolites such as e.g. Desphenyl-Chloridazon, Methyl-Desphenyl-Chloridazon, AMTT (metabolite of tritosulfuron). Main focus will be to find ways to improve chromatographic behavior for some compounds already in the method or to accommodate as many compounds as possible within the same LC-runs. Alternative LC-separation approaches (new columns) will be tested.

Activities to pursue CEN method standardization will continue.

Period: throughout the two years

Deliverables: Updated version of the QuPpe method in the Website in H2 2016 and H2 2017

B.2 Solutions for pesticides requiring modified MRMs

Background: Several pesticides and legally relevant metabolites are known to pose problems in analysis and are thus considered “difficult” or non-amenable to multiresidue methods. In many cases analysis is possible following certain modifications of traditional multiresidue methods. Such modifications may entail adjustment of pH or addition of chemicals to prevent degradation or improve extractability, temperature control, special measurement conditions or cleavage reactions to release conjugates etc..

Task: Studies will be conducted to improve the analysis of triclopyr, meptyldinocap, boscalid metabolite M510F01, chlorpropham metabolite 4-HSA, fenpropidin metabolite 2-methyl-2-[4-(2-methyl-3-piperidin-1-yl-propyl)-phenyl]propionic acid, fenpropimorph metabolite BF421-2, spiroxamine carboxylic acid, quizalofop, isoxaflutole metabolites RPA 203328, 203348, in commodities of plant origin and/or in commodities of animal origin as far as the metabolites are available.

Period: throughout the year

Deliverables: Reports in Website in Q1 2018

¹⁾**Note/disclaimer:** This activity may be shifted to 2018 in case of insufficient budget

B.3 Studies on the analysis of sulfuryl fluoride

Background: Sulfuryl fluoride (SO₂F₂) is a widely used fumigant for the control of pests (mainly insects) in dried crops such as cereal grains, pulses, dried fruits and tree nuts as well as for the treatment of processing and storage facilities. It is often used to replace the environmentally critical methyl bromide and it is also an alternative to the use of phosphine which is acutely more toxic. EU-MRLs in nuts are set at 10 mg/kg, in cereals at 0.05 mg/kg and at 0.02 mg/kg in tea, herbs, cocoa/coffee, hops and spices. Very few official labs currently analyze for sulfuryl fluoride.

Task: The EURL-SRM will study whether sulfuryl fluoride can be analysed via GC-MS using cryo-trapping/thermodesorption unit.

Period: throughout the 2018

Deliverables: Reports in Website in Q1 2018

B.4 Studies on the analysis of guazatine

Background: Guazatine is a mixture of the reaction products of polyamines, comprising mainly octamethylenediamine, imino(octamethylene)diamine and octamethylenebis(imino-octamethylene)diamine, and carbamonitrile and is used as fungicide in seed treatment and as postharvest dip for citrus fruits and pineapples. Guazatine is of interest due possible acute risk for consumers. At present no analytical method is available for the complex mixture of reaction products.

Task: The EURL-SRM will conduct experiments to check whether some prominent compounds of guazatine mixture may be determined and used to calculate guazatine in total (using a factor).

All guazatine compounds contain several amino- and/or guanidinogroups and are therefore considered to cause problems during extraction and measurement due to adsorption and pH-influence.

Period: throughout the year

Deliverables: Reports in Website in 2018

¹⁾ **Note/disclaimer:** This activity may be shifted to 2018/19 in case of budget cuts

B.5 Phytogetic levels of carbon disulfide

Background: Dithiocarbamates are worldwide widely used against a broad scope of fungal diseases in a wide variety of crops. Currently, residues of dithiocarbamates are widely analyzed using common moiety methods involving the release of carbon disulfide (CS₂) via an acid digestion/hydrolysis step. For some commodity types (mainly crops belonging to the brassica and allium family as well as papaya) The specificity of this common-moiety method to the presence of dithiocarbamate residues is however compromised in the case of commodities containing natural compounds that also release carbon disulfide under the digestion/hydrolysis conditions used.

As the phytogetic CS₂ interferes with the analysis of dithiocarbamate residues there is a strong need to determine the range of phytogetic CS₂ levels released upon acid digestion/hydrolysis. This knowledge will help in setting MRLs and evaluating CS₂ levels more reasonably.

Task: This task will involve collection of residue data generated by official laboratories on the organic and conventionally produced crops known to generate phytogetic CS₂. EFSA will be contacted this regarding. Series of organic samples of the affected commodity groups will be analyzed to assess the range of phytogetic CS₂ levels.

Period: 2016 and 2017 throughout the year

Deliverables: A preliminary report by mid-2017 and a final report by mid-2018

B.6 Experiments to be conducted within the frame of the “Art 12” including NAS (new active substances)

Background: One of the highest priorities of DG-SANTE is the re-evaluation of MRLs and residue definitions within the frame of Art. 12 / Reg. 396/2005. In 2016/17 the EURLs will be frequently consulted to evaluate pesticides under review in order to express their views as regards LOQs and residue definitions. Circa 100 pesticides will be expectedly reviewed in 2016 and 2017 by EFSA. In cases where analytical data is not sufficient or not available it has to be generated as far as practicable this includes testing whether compounds are amenable to multiresidue approaches and the development of methods for that are not amenable to MRMs (this is often the case for metabolites). Where no standards of pesticides or metabolites are available, these have to be requested from pesticide companies.

Task: Based on the experiences acquired in Art. 12 evaluations from 2013 to 2015 metabolites of pesticides, which are part of residue definitions, are in many cases SRM-compounds. The EURL-SRM will order missing analytical standards of pesticides and metabolites and conduct experiments to check their analytical behavior, the MRM amenability and the chromatographic behavior, perform basic validation experiments and determine the achievable LOQs always taking into account the proposed residue definition and the capabilities of OfLs.

Estimated man-days for activity B.6:

Type of compound	Expected No. of compounds	Lab activities involved				Sum (Working days)
		NONE	SOME	EXTENSIVE	VERY EXTENSIVE	
<i>Estimated man-days for 10 compounds</i>		0	15	25	80	
requiring NO Lab Activities	50					0
requiring SOME Lab Activities*	20		30			30
requiring EXTENSIVE Lab Activities**	20			50		50
requiring VERY EXTENSIVE Lab Activities***	10				80	80
					SUM	160

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

** e.g. for analytes requiring minor modifications of MRM-methods with many matrix groups being involved OR 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

Period: throughout the year

Deliverables: Reports to EFSA and/or DG-SANTE within the time frames agreed

C. QA/QC (Quality Assurance and Quality Control)

C.1 Revision of QA/QC-documents

Task: Jointly with the other EURLs the EURL-SRM will, assist the Commission by revising the document SANTE-2015-11945 ("Method Validation and Quality Control Procedures for Pesticide Residues Analysis in Food and Feed"). This activity is coordinated by EURL-FV and may involve mission(s) to attend coordination meeting(s). Furthermore, the "Proposed Draft Guidance on Performance Criteria for Methods of Analysis for the Determination of Pesticide Residues" (distributed by CCPR) will be revised as requested by the COM.

Period: in 2016 and 2017

Deliverables: revised SANTE-document end of 2017; opinions on CCPR-document as requested

C.2 Preparation of a list showing which labs are obliged to participate in EUPTs in 2016 and 2017 (horizontal task for the benefit of all 4 EURLs)

Task: based on the information provided by the NRLs, concerning the commodity scope covered by each lab within its network a comprehensive list of all labs obliged to participate in pesticide-related EUPTs in 2016 and 2017 will be published. Prior to generating this list the NRLs will be asked to update the commodity-scope profiles of the labs within their network and the EURL-DataPool will be updated accordingly. This list will be distributed to all NRLs which are responsible to check its correctness/completeness and report any errors. The pesticide scope of the labs will not be taken into account in this list. Labs not participating in an EUPT, due to limitations in the pesticide scope will have to give explanations during the registration period of the respective EUPT.

Period: Early in 2016 and 2017

Deliverables: "List of labs obliged to participate in pesticide related EUPTs in 2016" in Q1 2016; "List of labs obliged to participate in pesticide related EUPTs in 2017" in Q1 2017

C.3 EU Proficiency Test SRM 11 and 12

Task: One proficiency test covering single residue methods (SRM) will be performed each in 2015 and 2016. The intention is to use a commodity of plant origin in 2016. The commodity for 2017 will be chosen following consultations with the EUPT advisory group and the other EURLs. All relevant documents and instructions will be distributed to the participants through the EURL website. Participant registration and data collection will be conducted using an online tool. Each participant will receive a detailed report summarizing the PT-scope, results, data treatment and additional information of the methods employed by the participants.

Prior to, during and after the EUPT, the EURL-SRM will furthermore address any PT-related requests of participating labs. Underperforming NRLs will be directly assisted and at request provided with information regarding OfLs within their network.

Certain tasks associated with the EUPT-SRM11 and 12 may be subcontracted to other parties e.g. purchase and preparation of test material. .

Period: H1 2016 and H1 2017

Deliverables: Preliminary report within 4 weeks of PT deadline; Final Report of EUPT by H1 2017 and H1 2018

C.4 Attend joint meeting to discuss and evaluate EUPT results, and overall PT-performance (horizontal activity)

Background: EUPTs are a very valuable tool to assess the performance of laboratories in pesticide residue analysis. In the case of individual PT-results underperformance is well defined by the absolute z-score. When looking at multiple results generated within one PT or throughout many PTs, suitable underperformance criteria are yet to be set, considering both analytical results and scope. In case of underperformance corrective and follow-up actions are indicated.

Task: In cooperation with the other three EURLs the criteria to evaluate whether a laboratory was underperforming in EUPTs will be further revised.

Period: H2 of 2016 and 2017

Deliverables: Minutes of the meeting by December 2016 and 2017 by one of the EURLs (to be decided).

C.5 Update the “SRM-Pinboard” and promote concept of sub-contracting analyses within the Lab-Network

Background: Within the frame of official controls, SRM analytes are less frequently analyzed compared to MRM analytes. OfLs often complain that limitations in the available resources prevent them from establishing suitable methods for the analysis of SRM-analytes or applying such methods in case they are established. Lab-cooperation and subcontracting of analyses will help to reduce the overall number of labs that will have to establish or apply SRMs thus improving overall efficiency and frequency of analysis of SRM compounds.

Task: Following the established performance criteria, the list of laboratories considered as proficient for the analysis of individual SRM-compounds will be updated (“SRM-Pinboard” = Pool of Proficient SRM-Labs) as soon as new PT results become officially available or whenever a lab wishes to enter the list or change its status.

Period: H2 of 2016 (as Excel-file) and H2 of 2017 (as online-service; see A.5)

Deliverables: In 2016, updated Excel-list to be published within EURL-portal; in 2017, semi-automatically updated list online available in EURL DataPool (www.eurl-pesticides-datapool.eu) (see A.5, List of databases within the EURL-DataPool-Service).

D. Technical and scientific support to DG-SANTE, EFSA, NRLs, OfLs and third country labs

The technical support to DG-SANTE and to EFSA (on behalf of DG-SANTE) is of high priority to the EURL-SRM and is among others accomplished through e-mail communication, participation

in meetings, revision of documents, answering of questions and drafting of opinions. Upon invitation EURL-SRM staff may participate in various meetings organized by COM or EFSA. NRLs, OfLs and Third country labs are technically supported through the EURL-Web-Portal and the EURL-DataPool (A.2). Further assistance is also provided via personal communication, presentations in conferences, workshops and trainings (see D.2). The comprehensive Lab-Network-DB further contributes in strengthening the network (see A.2).

D.1 Technical and scientific support to DG-SANTE and EFSA

The activities planned in this context are compiled in the table below.

Task	Activities	When	Deliverables
Support DG-SANTE in drafting the MACP 2018-19	<ul style="list-style-type: none"> - Participate in meetings (e.g. in Brussels); - Collect and evaluate data and prepare a new "Pesticide Priority List"; - Read/Revise documents; - Communicate with DG-SANTE, EFSA and other stakeholders 	As arranged/agreed with or scheduled by DG-SANTE	Prepare/Provide "Pesticide Ranking List" (PeRL) opinions, assessments, advices and revisions as required. to be sent to COM by 31 May 2016 and 2017
Support EFSA within the frame of the Networking Group on Pesticide Monitoring	<ul style="list-style-type: none"> - Participate in one or more meetings (e.g. in Parma); - Read/Revise documents; - Provide information on analytical aspects such as the plausibility of PARAM entries, the interpretation or results etc. - Communicate with DG-SANTE, EFSA and other stakeholders 	As arranged/agreed with or scheduled by EFSA	Prepare/Provide opinions, assessments, advices and revisions as required
Support to EFSA and DG-SANTE in activities concerning re-evaluation of pesticide MRLs according to Article 12 of Reg. 396/2005/EC* . 120 compounds (100 Art 12 substances and 20 new active substances) will have to be expectedly evaluated by the EURLs in 2016 and 2017 on behalf of EFSA under the coordination of EURL-SRM. 50 Art. 12-pesticides and some other pesticides have to be (re-) evaluated on behalf of DG-SANTE	<ul style="list-style-type: none"> - Prepare an expected time schedule and coordinate the division of tasks among the 4 EURLs - Collect/Evaluate existing information from EFSA, DataPool and other sources; - Compile the available data in a summarized form to facilitate decision-making by the other 3 EURLs as regards LOQs and residue definitions; - Collect the positions of the 4 EURLs and finalize document with joint position (coordinate among the 4 EURLs in case of disagreements); - Communicate with DG-SANTE, EFSA and other stakeholders 	As arranged/agreed with or scheduled by DG-SANTE and EFSA	Prepare coordinated positions of the 4 EURLs as regards the residue definitions and the LOQs of pesticides proposed by EFSA and DG-SANTE. Provide opinions, assessments, advices and revisions as required
Survey on analytical capability for the substances in chapter 4 of the working document (monitoring years 2015 and 2016) (at the request of DG-SANTE)	<ul style="list-style-type: none"> - Organize a survey among all NRLs and OfLs in the network in order to find out which compounds within the MACP working document are routinely covered by the laboratories. The survey will cover MRM and SRM compounds. 	In H1 2016	Data will be entered in the EURL-DataPool and a list summarizing the data will be delivered to DG-SANTE by 31 May 2016 and 2017
Natural Sources of CS₂ (at the request of DG-SANTE)	<ul style="list-style-type: none"> - Literature study will be performed to collect information on natural CS₂-sources and levels See B.5 	In H2 2016	First half of 2017 submission of report to DG-Sante
Construction of a method-finder list (at the request of DG-SANTE)	At the request of the COM the 4 EURLs will create a joint list of links to EURL-reports on method development, method validation and other technical information on pesticides (Method Finder). Validation data from the EURL-DataPool will also be displayed in an aggregated form in order to give a full picture. To begin with, the list will cover all pesticides (as defined in the currently published MRL residue definition) related to the MACP (incl. regulation and working document). The EURL-SRM will coordinate this task and the other EURLs will be actively involved in the conception as well as the periodic updating of their information. The possible implementation of the Pesticide Method Finder as an online tool will be decided at a later stage.	The first version of the list is expected to be finalized in the first quarter of 2016 in excel format and will be published in the EURL-portal.	The list will be placed on-line and updated periodically
General assistance to DG-SANTE and EFSA	<ul style="list-style-type: none"> - E-mails and oral communications - Missions to Brussels, Parma or elsewhere 	Throughout 2016 and 2017 as required	Opinions, advices, revisions as required

Tasks/Period/Deliverables: see table above

***Note:** This task does not include non-laboratory activities. These are covered by B.2.

D.2 Joint EURL Workshop for Pesticide Residues in Food & Feed

Task: In the second half of 2016 a workshop will be organized intentionally in collaboration with the EURL-FV. In the second half of 2017 a joint workshop (FV, CF, AO and SRM) will take place in Freiburg/Germany. NRLs from all MS will be invited to attend the workshops, with the main objective to facilitate the interaction between them and the EURLs. Each workshop will be held during two days, and will entail technical and scientific communications regarding new activities of the EURLs and other developments in the field of pesticide residues analysis.

Period: Q3 2015

Deliverables: Technical Reports within 3 months after each workshop and Financial Reports by March 2018

D.3 Trainings

Task: 8 to 10 NRLs will be invited to attend a training in Fellbach each in 2016 und 2017. The training will cover technical aspects as regards the analysis of SRM-pesticides and exchange of experiences. Special needs and problems of the laboratories selected to participate will be considered in the design of the training program. Additional ad-hoc trainings may be conducted as requested.

Period: To be decided

Deliverables: Technical and Financial Reports

D.4 Visit of 2 NRLs

Task: In both 2016 and 2017 the NRL-SRM of one selected country will be visited by representatives from the EURL-SRM. The country will be selected giving emphasis on poor EUPT scope, performance or participation over the last years as well as on poor cooperation with the EURL.

Prior to the inspection a detailed study of the EUPT results during the last years as well as the current analytical scope of all OfLs will be carried out. During the visit the possible reasons for bad PT-performance will be discussed, where applicable, and advices will be given to improve performance and to expand the scope.

Period: To be decided

Deliverables: Visit report within 6 months of the visit

D.5 Webinars and Tutorials

Background: Webinars and Video-Tutorials provide the possibility to disseminate information to NRLs and OfLs in a cost effective way.

Task: Both in 2016 and 2017 the EURL-SRM will organize/publish at least one webinar or one video-tutorial either individually or in collaboration with other EURLs.

Period: To be decided

Deliverables: Tutorials and any ppt-files will be published in the website.

D.6 Analysis of official samples, counter analysis (if required)

The EURL will ask DG-SANTE for approval of any activity this concerning and request for additional eligible budget, if required.

Task: Sample analyses if required and only after consultation with DG-SANTE

Period: unpredictable

Deliverables: unpredictable