EURL-PH-LEGI

EU Reference Laboratory for public health in the field of Legionella

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Authors	Camille Jacqueline, Sophie Jarraud, Markus Petzold, Maria Luisa Ricci, Joao Rodrigues
Reviewed and agreed by ECDC	11.03.2025 Lara Payne Hallström, Maximilian Riess
Lead Beneficiary	Hospices Civils de Lyon
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LIST OF ACRONYMS

AWP	Annual Work Plan
CC BY	Creative Commons Attribution License
CDC	Center for Disease Control and Prevention
cgMLST	Core genome Multi-locus Sequence typing
DG SANTE	Directorate General For Health and Food Safety
DNA	Deoxyribonucleic Acid
DNCC	Disease Network Coordination Committee
ECDC	European Centre for Disease Prevention and Control
EC	Executive Committee
EEA	European Economic Area
EQA	External Quality Assessment
ELDSNet	European Legionnaires' Disease Surveillance Network
ESCMID	European Society of Clinical Microbiology and Infectious Diseases
ESGLI	European Study Group for Legionella Infections
EU	European Union
EURL	EU Reference Laboratory
EURL-PH-LEGI	European Reference Laboratory for Public Health for Legionella diagnostic and laboratory
GA	Grant Agreement
GDPR	General Data Protection Regulation
HCL	Hospices Civils de Lyon
INSA	Instituto Nacional de Saude
ISS	Instituto Superiore di Sanita
LD	Legionnaires' Disease
MTT	Molecular Typing Tool
MS	Milestone
NFP	National Focal Point
NRL	National Reference Laboratory
OCP	Operational Contact Point
(q)PCR	(Quantitative) Polymerase Chain Reaction
SCo	Steering Committee
SNP	Single Nucleotide Polymorphism
SRM	Stakeholder Relationship Management
ST	Sequence Type
UKD	Uniklinikum Carl Gustav Carus Dresden
UKSHA	United Kingdom Health Security Agency
wgMLST	Whole Genome Multi-Locus Sequence Typing
WGS	Whole Genome Sequencing
WP	Work Package

1 OVERVIEW OF PLANNED EURL ACTIVITIES AND OUTPUTS FOR 2025

Work package 1: Project management and coordination

Task 1 – Management of Consortium activities

The Hospices Civils de Lyon (HCL) is responsible of ensuring continuity, coherence and compliance with the commitments of the grant proposal for all EURL-PH-LEGI actions. The project manager, Camille Jacqueline, has started in January 2025 to ensure efficient and smooth management of the consortium activities. In addition, the HCL are supported for administrative, legal and financial aspects by its subsidiary Lyon Ingénierie Projets. The HCL has and will continue to organize exceptional and trimestral Steering Committee (SCo) meetings (HCL elaborates and communicates the agenda, monitor the meeting and take the minutes).

In the first year of the EURL-PH-LEGI actions, the consortium aims to establish a risk management and contingency plan and a conceptual framework to be used for the whole duration of the project. Furthermore, the consortium will sign an agreement establishing ground rules and obligations from each partner. Finally, the HCL will lead the planning of activities for 2025 and 2026.

Expected output(s):

- SCo meetings was hold on the 29/01/2025 and then are planned on the 23/04/2025, 10/09/2025, 17/12/2025 (tentative dates)
- An exceptional SCo meeting was hold on the 05/03/2025 to address urgent deadlines of deliverables
- D1.1 - Risk management and contingency plan to be delivered end of March (M3). It will describe the risk management strategy of the EURL and serve as a standard operating procedure when facing unexpected events. Because it contains sensitive information the dissemination level is sensitive and it will not be published on the website.
- MS2 - Consortium agreement signed by all partners to be delivered by end of May (M5).
- D1.3 - Conceptual framework for comprehensive and coordinated laboratory surveillance to be delivered by end of June (M6). It will describe the missions, the purpose, the vision and the expected outcomes of the EURL.
- D1.2 / D1.4 – Annual Work Plan for 2025 (by end of March, M3) and 2026 (by end of October, M10).

Task 2 – Coordination with network laboratories and ECDC

HCL will assume the coordination function for the implementation of the activities/tasks for the laboratory members of ELDSNet in coordination with ECDC. First, the consortium will act as a focal point for the network. To better serve this function, the EURL-PH-LEGI obtained in January 2025 the contact information for the ELDSNet network members from the ECDC Stakeholder Relationship Management (SRM) system. The EURL-PH-LEGI missions and activities were also presented in October 2024 at the occasion of the ELDSNet meeting organized by ECDC.

Second, HCL/consortium manager and ECDC have and will continue to meet on demand by email or videoconference to coordinate on the different EURL-PH-LEGI actions. Finally, the consortium will also interact with the other EURL-PH through the EURL network meeting in May 2025 in Luxembourg and a dedicated SharePoint hosted at ECDC.

Expected output(s):

- MS1 - Kick-off meeting with the ELDSNet network members was delivered on the 16/01/2025. Minutes were shared with the participants.
- Establishment of a generic email address for the coordination of the EURL-PH-LEGI to serve as contact point: HCL.eurlphlegi@chu-lyon.fr
- Attendance to the monthly EURL/ECDC catch-up meetings involving all EURL-PH.
- Attendance to the EURL network meeting organized by ECDC and DG SANTE May 22-23 2025.
- Technical coordination meetings with ECDC
    - On EQA planning starting the 04/02/2025
    - On country visits starting the 20/02/2025

Task 3 – Coordination with other supra-national organizations

EURL-PH-LEGI has a key role to interconnect all organizations/bodies that can have laboratory support activities at supra-national level in the EU/EEA. During the first year, the consortium will focus on coordination with two main organizations: ESGLI and the *Legionella* International Typing group.

Before the beginning of their mandate, the EURL project manager presented its missions and activities during an ESGLI conference in October 2024 (around 100 members). Strong of this first contact, the consortium aims to establish quarterly conference calls with the ESGLI Executive Committee (EC). In addition, the EURL project manager will present a summary of EURL-PH-LEGI action in 2025 as well as a planning of activities for 2026 at the ESGLI conference in November 2025.

The consortium will also continue to participate and collaborate to the Legionella International Typing (LIT) working group led by the US CDC and which include representant from UK, Switzerland and EU/EEA countries. This working group has three goals i) to create a novel/updated cg/wgMLST typing scheme informed by global genetic diversity with increased resolution; ii) to develop a descriptive naming scheme for *L. pneumophila* lineages based on updated typing scheme and iii) to host the new scheme on an open-source platform.

Expected output(s):

- MS8 - Attendance and presentation of 2025 activities of the EURL-PH-LEGI to ESGLI Meeting November 12-14 2025 (M10). The EURL-PH-LEGI missions and activities were presented in a the ESGLI meeting in Dresden in October 2024.
- Quarterly meetings with ESGLI Executive Committee to discuss specific EURL actions.

- Presentation of the EURL-PH-LEGI missions and activities in the ESGLI newsletters for its members (December 2025)
- Monthly meeting in the context of the LIT working group and participation to publication of the new cgMLST scheme for Legionella typing (not a deliverable, expected by the end of December 2025).

Work package 2: Dissemination and communication

Task 1 – Website development and continuous updates

The priority of the first year will be to create a website specific for the EURL-PH-LEGI which will serve as a central way of communication where general information, reports, recordings of webinars, method handbook, newsletter, EQA information, and planned activities will be provided.

The public website will follow the basic structure provided by the European Commission and ECDC described below:

- Landing page – Outlining the project, partners, major objectives and News from the EURL
- EURL activities page – Outlining activities and results
- Calendar – Including ongoing/upcoming tasks, trainings, meetings etc.
- Link to relevant News, documents, publications
- Contact information – Providing an opportunity for interested individuals to reach out to the EURL directly.
- Link to the EU commission EURL landing page: EU Reference Laboratories for public health - European Commission

UKD is leading the creation of the website and will host the website on its institute homepage, on a European domain. However, for representativity, a "eurlphlegi.eu" domain will be purchased and configured to redirect visitors to the institutional webpage. After the launch of the website publicly in May 2025, the website will continue to be updated and troubleshot to be delivered in June 2025.

Expected output(s):

- MS4 - Launch of the website before the end of May 2025 (planned latest for June, M6).
- D2.2 – Fully operational website delivered by the end of June 2025 (M6).

Task 2 – Communication plan and Dissemination strategy

A refined communication plan and dissemination strategy will be developed to set out the objectives, key messaging, target audiences, communication channels, social media plan, planned budget and relevant indicators for monitoring and evaluation. In addition, the task leader UKD, will be involved in the EURL/ECDC communication working group - EEcomms. Finally, the consortium will be involved in the design of a specific logo for the EURL-PH-LEGI.

Expected output(s):

- Specific logo for EURL-PH-LEGI by the end of March 2025 (not a GA deliverable).
- D2.1 – Dissemination plan by the end of April 2025 (M4).

Task 3 – Organisation of laboratory network meetings

The face-to-face meeting with ELDSNet network members will be organized in 2026 a plan for the meeting is due in M19. No deliverable or milestone required for 2025.

Work package 3: Evaluation

Task 1 – Design of an evaluation plan

The HCL is developing an evaluation plan to describe the ongoing internal process that will be conducted at all stages of the implementation of each task to ensure their successful completion. The stakeholders and objectives of the evaluation will be identified. Especially, it will detail the evaluation design and the criteria on which the evaluation will be based such as: relevance, effectiveness, efficiency and impact. The plan will also develop the methodology for the internal evaluation based on process, output and outcome indicators. These indicators will be discussed and agreed upon with the WP leaders. In addition, the evaluation tools used will be based on a set of the specific indicators requested by the Commission for reporting purposes such as:

i) the number of bespoke consultations and/or on-site visits,
ii) the number of laboratory network meetings organized,
iii) the number of written documents produced,
iv) the number of reference testing performed and test protocols devised,
v) the number of external quality assessments conducted,
vi) the number of Member States and/or Regions that received support via the mandatory activities,
vii) the number of training events organized,
viii) the number of reference material resources produced
ix) the number of satisfied requests from ECDC to support investigation of national and/or cross-border outbreak.

Finally, the evaluation plan will describe the data collection and analyses processes and how the evaluation results will be communicated to stakeholders.

Expected output(s):

- D3.1 - Evaluation plan by the end of March 2025 (M3).

Task 2 – Monitor the progress of each WPs

This task will be maintained during the whole duration of the EURL-PH-LEGI and based on the principles described in the evaluation plan. The project manager and the coordinator will be responsible of identifying issues at early stage and ways of improvements through an active communication strategy among the consortium members. First, the timetable of implementations and the deliverables of each WPs will be reviewed regularly during ad-hoc and SCo meetings. Regular technical coordination meetings between EURL consortium and ECDC will be organized to

assess progress in the work plan and to give updates on the tasks started.

Second, evaluation surveys will be designed for all the events organised by the EURL in 2025. Survey questionnaires will be produced, in collaboration with other WPs, to include a set of standard questions to collect the feedback of different stakeholders. The data produced by these surveys will be analysed to ensure that the activities performed met the needs of the target audience and the objectives of the WPs.

Finally, the HCL will contribute to the implementation of a training needs assessment together with ISS. The HCL will be in charge of the design and distribution of the survey as well as a first descriptive analysis of the results.

Expected output(s):

- SCo meetings were hold on the 29/01/2025 and 05/03/2025 and then are planned on the 23/04/2025, 16/07/2025, 10/09/2025, 17/12/2025 (tentative dates)
- Coordination of surveys for other WPs including satisfaction survey and training need assessment survey.

Task 3 – Analyses and generation of evaluation reports

Evaluation report will be delivered at the end of the action. No action for 2025.

Work package 4: Sustainability

Task 1 – Development of a Sustainability Plan

By the end of the action of the EURL-PH-LEGI, the consortium aims to provide a sustainability plan that will describe the priority outcomes of the EURL-PH-LEGI and envision ways to implement them and preserve them beyond the timeframe and scope of the program. Especially it will detail where (at what level: national, EU or regional/global) and how (what actions are necessary) to sustain these priority outcomes. During the first year of action, INSA will present to the consortium members the methodology used to ensure that all WPs (5 to 8) consider the sustainability of their outcomes within their work and reports.

Expected output(s):

- MS9 - Workshop on Sustainability Guidance tool by the end of December 2025 (M12)
- Implementation of an evaluation survey for the workshop on sustainability

Task 2 – Promote accessibility to EURL outcomes

Across the whole duration of the project, WP4 will work with WP2 to ensure the sustainability of the outcome of the EURL. During the first year, this will particularly concern the webinars organised by WP8 and the laboratory handbook produced by WP5.

Expected output(s): This task is in support to other tasks so there is no specific output.

Work package 5: Reference diagnostics

Task 1 – Elaboration of a laboratory handbook

The laboratory handbook will provide the first European recommendations (standardisation / harmonisation) of well-established and approved methods that are currently used in National Reference Laboratories (NRLs) as well as methods that are peer-reviewed and published by experts in the field (preferably consortia/study groups). Furthermore, protocols and validation studies from international study groups (e.g. groups within ESCMID) will be considered as well as national protocols when suitable. Chapter titles and authors (two per chapter from different countries) will be discussed and selected before end of March and discussed with ECDC. This handbook will be made available to ECDC for publication under a Creative Commons (CC BY) license.

Later in 2026, this document will be used to update and complete the *Legionella* outbreak toolbox from ECDC especially the sections on "*Legionella* laboratory diagnosis and detection" and on "environmental sampling in an outbreak situation".

Expected output(s):

- D5.1 – Laboratory handbook by the end of 2025 (M12).

Task 2 – Pan-European studies on performance characteristics of PCR methods for diagnosis of LD

The study will start in 2026. No action for 2025.

Task 3 – Develop or quality assure additional relevant antisera for monoclonal subgrouping

The production will start in 2026. No action for 2025.

Work package 6: Improving and assessing quality of laboratory surveillance methods

Task 1 – Provision of external quality assessment schemes

The EURL-PH-LEGI will provide external quality assessment (EQA) schemes to the ELDSNet network laboratories in EU/EEA, for supporting the surveillance of LD at European level. The EQA program will be organized by the National Reference Centre for Legionella in the HCL. In February 2025, a survey was launched for National Focal Points for Legionnaires' Disease and Operational Contact Points for Microbiology – Legionellosis to nominate participating laboratories. The EQA scheme will be offered to one laboratory (or two laboratories if clinical and environmental testing services are provided separately) per country. In parallel, an EQA plan is being drafted and will be delivered by the end of May 2025. It contains information on EQA objectives, participants, preparation and methodology including data analysis and reporting of results. In 2025, the EQA program will be composed of three schemes:

i) **Outbreak investigation using bioinformatics methods**: Whole

genome sequence data of approximately 15 isolates will be shared with participants as short reads (Illumina) sequence (fastq format) on a server. Participants will have to perform species identification, sequence-based typing, and cluster analysis by tool of choice (e.g. cgMLST or SNP). The scheme will be launched in June 2025 and participating laboratories will be given 6 weeks to report their results through an online form.

ii) **Outbreak scenario using diagnostic clinical methods**: Participants laboratories will be asked to perform urinary antigen testing on five human urine samples. Additionally, they will be asked to perform detection, isolation and characterisation of Legionella spp. by culture and PCR as well as subtyping (including molecular typing) on five simulated sputum samples. Finally, PCR methods will be evaluated using a DNA standard. The scheme will be launched in September 2025 (concomitantly with scheme 3) and participating laboratories will be given 6 weeks to report their results through an online platform.

iii) **Outbreak scenario using water samples for *Legionella* testing**. Participants laboratories will be asked to perform detection and enumeration by culture and PCR as well as subtyping (including molecular typing) on five simulated water samples. Simulated unusual environmental samples will not be included in the 2025 EQA because of time and technical constrains. They will be added in the 2026 EQA. PCR methods will be evaluated using a DNA standard (if not participating to Scheme 2). The scheme will be launched in September 2025 (concomitantly with scheme 2) and participating laboratories will be given 6 weeks to report their results through an online platform.

According to the norm ISO 17043, we will use a reference laboratory outside of the targeted participants, who will perform exercise concomitantly with the participants and for whom we will use the results to confirm assigned values.

Expected output(s):

- Survey for nomination of participating laboratories in February 2025
- Piloting of the scheme 1 with Italy and Portugal in April 2025
- D6.2 - Detailed EQA laboratory and reporting protocol plan by end of May 2025 (M5)
- Implementation of the 2025 EQA scheme 1 (M6)
- Piloting of scheme 2 and 3 with Italy and Portugal in June/July to test the EQA panel and logistics
- Individual reports for the EQA scheme 1 in August 2025
- Validation study report in August 2025
- MS7 – Implementation of the 2025 EQA scheme 2 and 3 in September 2025 (M9)
- Individual report for the EQA scheme 2 and 3 in December 2025
- Satisfaction survey for participant and stakeholders in December 2025

Task 2 – Country visits to review, evaluate, and improve laboratory surveillance

The EURL-PH-LEGI aims to conduct country visits to support the network member countries to review, evaluate, and improve laboratory surveillance for cases and outbreak detection.

First the INSA together with ECDC, will identify interested countries through a call for expression of interest for two country visits in 2025 by two consortium members and for a maximum of 5 days. Application will be reviewed and once the candidate is selected, the project manager will start the administrative organisation for the visit. A pre-visit conference call will be organized to identify the needs and establish pre-visit recommendations. Based on the needs and recommendation, the plan for country visit will be redacted to outline the purpose and objectives, expected duration and participants and the planned actions, recommendations and expected outcomes. Finally, visits will be followed by conference calls with the participating laboratories to monitor and assess the impact of the activity.

Expected output(s):

- Launch call for expression of interest by National Focal Point and Operational Focal Point Microbiology by the end of March
- Pre-visit conference calls in April and August 2025
- D6.1 (April, M4) and D6.3 (August, M8) – Plans for country visits
- MS5 – First Country visit before the end of June (M6)
- Country visit #2 before the end of October
- Post-visit conference calls and surveys in July and November 2025

Work package 7: Scientific advice and technical assistance

Task 1 – Provision of reference diagnostic services for network laboratories

The EURL-PH-LEGI will provide, upon request, centralised and accredited reference services to the laboratory members of ELDSNet for the diagnosis and characterization of Legionella. This service can include validation and confirmation of test results, support and advice in the investigation of atypical specimens, and assistance in characterisation of new Legionella species. It can be provided as a supplementary service to national reference laboratories, or to laboratory members of ELDSNet where national reference services are not available or do not exist.

A communication will be made to the ELDSNet members to promote this service and explain the processes to request assistance. Request will be made by email to the coordination email address (HCl.eurlphlegi@chu-lyon.fr). The request of the laboratory members of ELDSNet will be analysed by INSA in articulation with ECDC. Depending on the expertise required, INSA may send the request to a specific member.

Following the provision of the service, the EURL-PH-LEGI will discuss with the network laboratory and with ECDC the possibility to assist the laboratory members of ELDSNet in the implementation of such service.

A summary of the reference services provided will be available to ECDC and is meant to be used for evaluation purposes. In addition, it will serve to identify gaps in the capacity of the laboratory members of ELDSNet.

Expected output(s):

- Promotion of the service by email to the network in March (M3)
- Service available for an expected 50 specimens in 2025
- D7.1 - Summary of the reference service and assistance provide to ECDC and laboratory network 1 by the end of 2025 (M12)

Task 2 – Advice and technical support to network laboratories

The EURL-PH-LEGI aims to provide advice and technical support to laboratory members of ELDSNet on diagnostic techniques, characterisation methods including genomic typing and other methods, upon request. It could concern details on the handbook diagnostic methods, interpretation of water quantification using culture or qPCR method, WGS wet lab protocols such as library preparation or on bioinformatic analyses.

A communication will be made to the ELDSNet members to promote this service and explain the processes to request support. Request will be made by email to the coordination email address (HCl.eurlphlegi@chu-lyon.fr). The request of the laboratory members of ELDSNet will be analysed by ISS in articulation with ECDC. Depending on the expertise required, ISS may send the request to a specific member.

Advice and technical support will be provided by email, virtual consultation, or telephone. A summary of the reference services provided will be available to ECDC and is meant to be used for evaluation purposes. In addition, it will serve to identify gaps in the capacity of the laboratory members of ELDSNet .

Expected output(s):

- Promotion of the service by email to the network in March
- MS3 - Procedures to provide advice and support to laboratory members of the network by the end of May (M5)
- Service available for an expected 10 requests in 2025.
- D7.1 - Summary of the reference service and assistance provide to ECDC and laboratory network 1 by the end of 2025 (M12)

Task 3 – Scientific advice and technical support to ECDC

The EURL-PH-LEGI aims to provide technical support and advice to ECDC on issues related to the diagnosis of LD, environmental aspects and genomic typing, by providing guidance on the most appropriate and up-to-date methods and approaches, upon request.

Since January 2025, the EURL-PH-LEGI is participating to the pilot phase of the launch of EpiPulse Cases and the Molecular Typing Tool (MTT) by ECDC. Consortium members could also participate on request from ECDC to the training activities about the new MTT to ELDSNet network members once officially launched. In this context, the EURL-PH-LEGI could help the ECDC to determine the definition of genomic clustering for strain relatedness in terms of allelic differences for cgMLST or single nucleotide polymorphisms (SNP) differences for phylogenetic analyses, especially for STs of particular interest. Consortium members could also share their expertise on

WGS data information such as resistance, genomic markers or virulence determinants.

Finally, the consortium can also act as a link between the ECDC and the LD community members outside ECDC Network regarding development, evolution and standardisation of genotyping practices as well as databases creation and sharing at the international level. For example, the EURL is participating the Legionella International Typing working group with the US CDC and UKSHA (described in WP1, Task 3).

A summary of the reference services provided will be available to ECDC and is meant to be used for evaluation purposes.

Expected output(s):

- Approximately 5 requests are estimated in 2025.
- D7.1 - Summary of the reference service and assistance provide to ECDC and laboratory network 1 by the end of 2025 (M12)

Task 4 – Provide information, guidance and/or support to ECDC in outbreak responses

The EURL-PH-LEGI aims to provide information, guidance and/or support to ECDC in outbreak situations, including contributions to ECDC risk assessments.

ISS will support ECDC on the basis of knowledge of established procedures of European and national guidelines such as for example the application of the water safety plan. Depending on the outbreak situations and the involved Legionella, all consortium members could participate. Online meetings of EURL members will be quickly organised depending on the emergency for ECDC to provide its input.

Under this task, ISS may be requested by ECDC to contribute to presentations to the Health Security Committee and/or the Advisory Committee on Public Health meetings convened and coordinated by the European Commission, in coordination with ECDC.

A summary of the reference services provided will be available to ECDC and is meant to be used for evaluation purposes.

Expected output(s):

- D7.1 - Summary of the reference service and assistance provide to ECDC and laboratory network 1 by the end of 2025 (M12)

Work package 8: Training

Task 1 – Assessment of training needs in the laboratory network

In accordance with the ECDC, within the first quarter of 2025, ISS will assess and identify the skills and training needs of the ELDSNet network laboratory members by launching a survey.

The results of the analysis, comparison and integration of data obtained from the survey will allow the identification of areas that needs to be developed and/or improved in the field of LD diagnosis, environmental investigation and typing.

The training plan will provide a comprehensive overview of the training needs and a detailed plan for scientific webinars and wet-lab trainings. It will describe the topic(s), learning objectives, scope and purpose, agenda, invitation letter, selection criteria for participants and plans for the anonymous course evaluation for each training.

The training plan will be discussed with ECDC and additions could be made to cover others aspects depending on actuality or current developments. Priority topics and annual training plans will be re-evaluated each year with ECDC in the light of EQA results to fit better the training needs.

Expected output(s):

- MS6 - Implementation of surveys to identify training needs by the end of June
- D8.1 - Training activity plan including report on training needs by the end of 2025

Task 2 – Organisation and delivery of wet lab trainings

One wet lab training will be delivered at the HCL in accordance with the handbook on reference methods and will combine practical and in-class teachings by experts in the field. They will be delivered in person to a maximum of 8 participants. The EURL will cover travel, accommodation and *per diem* for the participants. Duration will vary depending on the topic. The topic and the participants will be discussed with ECDC in the light of the training assessment survey results.

Specific needs and feedbacks surveys on wet lab trainings (using pre- and post-test questionnaires) will be performed.

Expected output(s):

- Pre-training survey to identify expectations in September 2025
- Wet-lab training in October 2025
- Satisfaction survey to identify areas of improvement in November 2025
- Presentations and/or video will be available for the participants on the ECDC Learning Portal for Infectious Diseases by the end of 2025.

Task 3 – Organisation and delivery of scientific webinars

The EURL-PH-LEGI aims to organize and deliver a virtual webinar on a laboratory topic related to general diagnosis of *Legionella spp*, including typing, new molecular surveillance methods and laboratory outbreak analysis tools. The topic will be discussed with ECDC and will be complementary to webinars provided by ESGLI.

The webinar will be organized by UKD on the ECDC Learning Portal for Infectious Diseases and is envisioned to last two hours and the recording will be made accessible via the portal. An approximate number of 150 participants are expected to attend the webinars.

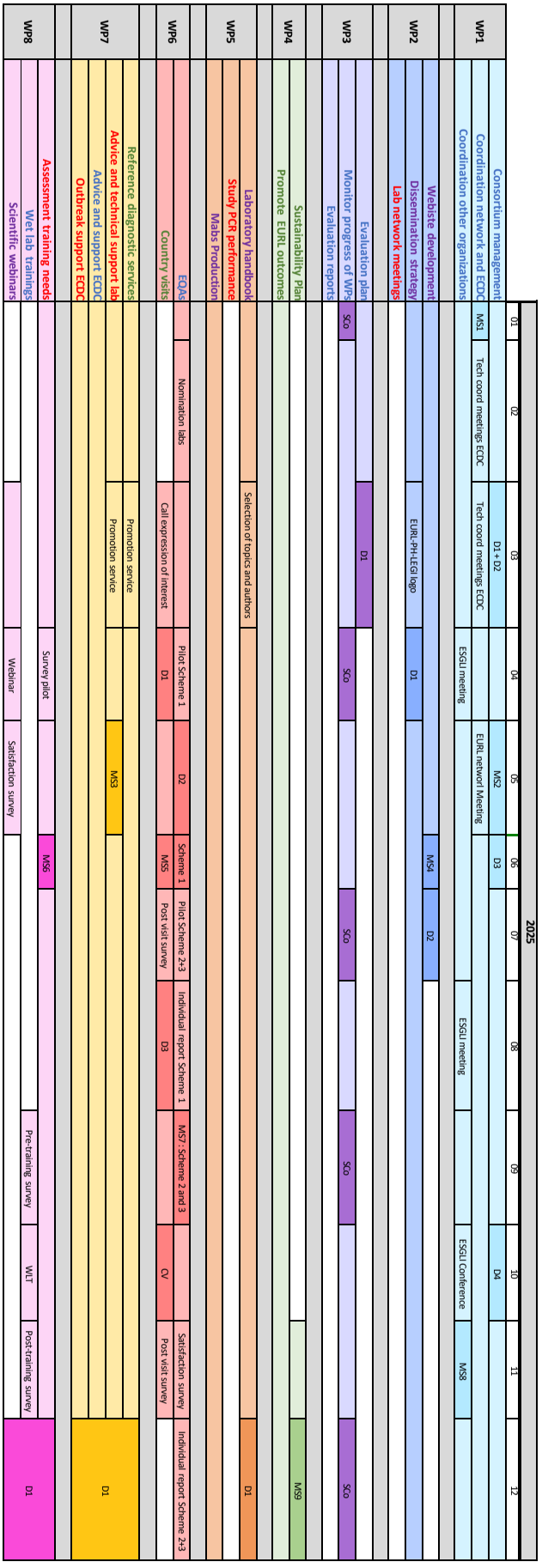
Expected output(s):

- Webinar before the end of April 2025
- Presentations and/or video will be available for the participants on the ECDC

Learning Portal for Infectious Diseases by May 2025.

- Satisfaction survey to identify areas of improvement in May 2025

2 TIMELINE FOR ACTIVITIES AND OUTPUTS PLANNED FOR 2025



3 ANY OTHER RELEVANT INFORMATION

We do not foresee any changes to the overall workplan or deviation from the tasks. Satisfaction survey was not carried after the kick-off meeting due to its planning early on in the implementation of EURL activities and the lack of time and structure to design the survey.