

ENGAGE status newsletter, no. 5

Version: June 2017

This ENGAGE status newsletter is intended to give an outline of the status and an overview of the tasks performed and ongoing as part of the ENGAGE project.

Update regarding ongoing tasks

All ongoing tasks are listed in the Action Plan.

In addition to the milestones and deliverables described below, the [Sharepoint](#) for sharing documents between partner institutions is available (via Share DTU; <https://share.dtu.dk>). All partners have received an invitation email with further information on how to access and upload documents relevant to other ENGAGE partners (sharing of documents in a closed forum).

ENGAGE outside users and additional stakeholders have access to further information via the [website](#) (<http://www.engage-europe.eu/>).

Update regarding milestones

An overview of currently relevant milestones is listed in *Appendix 1*.

A brief extract of the milestones reached since April 2017:

M3.1, Task 3.1 – Ongoing WGS – conducted continuously

M5.2, Task 5.3 – Interpretation of benchmarking analysis of the sequencing data for ‘Report 5 (WGS serotyping of *Salmonella* (ISO))’

Update regarding deliverables

An overview of currently relevant deliverables listed in *Appendix 2*.

A brief extract of the deliverables completed or pending since April 2017:

Completed deliverables:

- **D7.7; Task 7.3** Analysis / benchmarking report - "Data results" is ongoing and ‘Report 5 (WGS serotyping of *Salmonella* (ISO))’ will be completed by the end of June 2017

ENGAGE presentations held

“Whole genome sequencing characterisation of mcr-1 positive *Escherichia coli* isolated from turkeys and chickens” presented by Zajac M, Sztromwasser P, Wasyl D, Hoszowski A at the International Caparica Conference on Antibiotic Resistance. It was funded by ENGAGE.

“Whole genome sequencing analysis of multidrug-resistant *Salmonella* Infantis isolates circulating in the German food-production chain”. Jennie Fischer, Maria Borowiak, Beatrice Baumann, Istvan Szabo, Burkhard Malorny. ECCMID in April 2017.

"Phylogeny of *Salmonella* Paratyphi B variant Java (ST-28) harbouring mcr-1". Maria Borowiak, Jennie Fischer, Beatrice Baumann, Ernst Junker, Istvan Szabo, Burkhard Malorny. ECCMID in April 2017.

"Transposon-associated phosphoethanolamine transferase (mcr-3) is responsible for mobilized colistin resistance in *Salmonella* Paratyphi B variant Java". Maria Borowiak. EFSA EU-FORA Scientific Poster Competition for PhD students.

ENGAGE manuscripts

"VIM-1 producing *Salmonella* Infantis isolated from swine and minced pork meat in Germany". Maria Borowiak, Istvan Szabo, Beatrice Baumann, Ernst Junker, Jens A. Hammerl, Annemarie Kaesbohrer, Burkhard Malorny and Jennie Fischer.
Submitted: Journal of Antimicrobial Chemotherapy.

"Identification of a novel transposon-associated phosphoethanolamine transferase gene, mcr-3, conferring colistin resistance in d-tartrate fermenting *Salmonella* enterica subsp. enterica serovar Paratyphi B. Borowiak, Maria; Fischer, Jennie; Hammerl, Jens-Andre; Hendriksen, Rene; Szabo, Istvan; Malorny, Burkhard.
Submitted: Journal of Antimicrobial Chemotherapy.

Results of the first ENGAGE *Salmonella* serotyping benchmarking exercise led by Liljana Petrovska.
In preparation.

Results of the ENGAGE AMR gene benchmarking exercise led by PHE.
In preparation.

Other issues

The symposium day of the INNUENDO summer course on "Genomics in foodborne pathogen surveillance" 12th July 2017 can be followed live in streaming through the following link <https://ehutb.ehu.eus/live/58c6ba7bf82b2b0c3f8b456d>

The program of the day can be accessed [here](#)

More information on our project can be found in our website www.innuendoweb.org

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Appendix 1: Overview of milestones which are due from April 2017 until November 2017; sorted by date

Milestone	Task	Description of milestones (Milestones reached are marked grey)	Date (Gantt chart)	Status
M2.1	Task 2.5	Screening for relevant collected and available strains for WGS	2017-Apr	Complete
M3.1	Task 3.1	Ongoing WGS	2017-Apr	Complete
M5.2	Task 5.3	Interpretation of benchmarking analysis of the sequencing data	2017-Apr	Complete
M2.1	Task 2.5	Screening for relevant collected and available strains for WGS	2017-May	Complete
M3.1	Task 3.1	Ongoing WGS	2017-May	Complete
M5.2	Task 5.3	Interpretation of benchmarking analysis of the sequencing data	2017-May	Complete
M2.1	Task 2.5	Screening for relevant collected and available strains for WGS	2017-Jun	Complete
M3.1	Task 3.1	Ongoing WGS	2017-Jun	Complete
M5.2	Task 5.3	Interpretation of benchmarking analysis of the sequencing data	2017-Jun	Complete
M8.6	Task 8.6	Conduct twinning programs	2017-Jun	
M2.1	Task 2.5	Screening for relevant collected and available strains for WGS	2017-Jul	
M3.1	Task 3.1	Ongoing WGS	2017-Jul	
M5.2	Task 5.3	Interpretation of benchmarking analysis of the sequencing data	2017-Jul	
M2.1	Task 2.5	Screening for relevant collected and available strains for WGS	2017-Aug	
M3.1	Task 3.1	Ongoing WGS	2017-Aug	
M5.2	Task 5.3	Interpretation of benchmarking analysis of the sequencing data	2017-Aug	
M2.1	Task 2.5	Screening for relevant collected and available strains for WGS	2017-Sep	
M3.1	Task 3.1	Ongoing WGS	2017-Sep	
M5.2	Task 5.3	Interpretation of benchmarking analysis of the sequencing data	2017-Sep	
M8.2	Task 8.1	Develop one week hands on training course curricula	2017-Sep	
M2.1	Task 2.5	Screening for relevant collected and available strains for WGS	2017-Oct	
M3.1	Task 3.1	Ongoing WGS	2017-Oct	
M5.2	Task 5.3	Interpretation of benchmarking analysis of the sequencing data	2017-Oct	
M2.1	Task 2.5	Screening for relevant collected and available strains for WGS	2017-Nov	
M3.1	Task 3.1	Ongoing WGS	2017-Nov	
M5.2	Task 5.3	Interpretation of benchmarking analysis of the sequencing data	2017-Nov	
M8.4	Task 8.3	Conduct hands on training courses	2017-Nov	
M9.2	Task 9.1	Workshops	2017-Nov	

Appendix 2: Overview of deliverables which are due from January 2017, sorted by date

Deliverable	Task	Description of deliverables (COMPLETED deliverables are marked grey)	Date (Gantt chart)	Status
D6.1	Task 6.1	Develop and execute the PT including documentation, reference material and analysis - following the GMI PT	2017-Jan	Complete
D7.5	Task 7.3	Analysis / benchmarking report - "Data results" Report 3 (MOST vs SeqSero vs SISTR)	2017-Jan	Complete
D7.1	Task 7.1	Develop quality assurance guideline / bioinformatics quality marker tester tool. - "what is good sequence quality"	2017-Jan	Complete
D8.1	Task 8.4	Production and distribution of E-learning lectures and quizzes	2017-Jan	Complete
D10.4	Task 10.2	Dissemination through newsletters to partners, affiliated partners, authorities and research organizations	2017-Jan	Complete
D11.1	Task 11.4	Reporting on financial and technical progress	2017-Jan	Complete
D7.6	Task 7.3	Analysis / benchmarking report - "Data results" Report 4 (AMR genes)	2017-Mar	Complete
D10.5	Task 10.2	Dissemination through newsletters to partners, affiliated partners, authorities and research organizations	2017-Apr	Complete
D7.7	Task 7.3	Analysis / benchmarking report - "Data results" Report 5 (WGS serotyping of <i>Salmonella</i> (ISO))	2017-Jun	Will be completed by the end of June
D10.6	Task 10.2	Dissemination through newsletters to partners, affiliated partners, authorities and research organizations	2017-Jul	
D7.8	Task 7.3	Analysis / benchmarking report - "Data results"	2017-Sep	
D10.7	Task 10.2	Dissemination through newsletters to partners, affiliated partners, authorities and research organizations	2017-Oct	
D6.2	Task 6.1	Develop and execute the PT including documentation, reference material and analysis - following the GMI PT	2017-Nov	
D7.9	Task 7.3	Analysis / benchmarking report - "Data results"	2017-Dec	
D8.2	Task 8.4	Production and distribution of E-learning lectures and quizzes	2018-Jan	
D10.8	Task 10.4	Submission of generated genomes to ENA	2018-Jan	
D11.2	Task 11.4	Reporting on financial and technical progress	2018-Jan	