

## Report on the outcomes of a Short-Term Scientific Mission<sup>1</sup>

Action number: CA17110

Grantee name: Tanja Knific

### **Details of the STSM**

Title: Developing Theory of Change and research agenda

Start and end date: 01/03/2022 to 31/05/2022

### **Description of the work carried out during the STSM**

Description of the activities carried out during the STSM. Any deviations from the initial working plan shall also be described in this section.

*(max. 500 words)*

The grantee carried out work that can be divided into three steps.

First, she examined the literature on methods and theories that would enable a synthesis of the work and findings of Working Group 4 activities, and subsequently facilitate the development and implementation of an output-based framework that would enable an objective comparison of cattle disease control programmes at different levels and between different countries. This theory focused on qualitative and transdisciplinary approaches such as Theory of Change, Behaviour Change Wheel, Change Theory and literature describing a project similar to ours and farmers' behaviour and decision making. During this step she was guided by Dr Jasmeet Kaler and had several discussions on the theory.

The second step was a detailed review and summary of the work carried out in WG4 and other working groups of the COST Action. She reviewed the outcomes of several workshops that used Miro whiteboards, as well as all other reports of meetings and STSMs related to the stated objective. Before this step and shortly after, she organised a meeting with Dr Jasmeet Kaler and all the leaders of WG4; Dr Luís Pedro Carmo, Dr John Berezowski and Dr Maria Guelbenzu, where she presented her summary of the activities of WG4 and the Miro boards and gave her view of the problems they are facing, which relate to the gap between theory and what is available to develop the Theory of Change model for the SOUND control project.

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<sup>1</sup> This report is submitted by the grantee to the Action MC for approval and for claiming payment of the awarded grant. The Grant Awarding Coordinator coordinates the evaluation of this report on behalf of the Action MC and instructs the GH for payment of the Grant.

The third part was dedicated to developing a plan on how to achieve the synthesis of the results obtained in SOUND control and at the same time create a plan for the joint research agenda. The results are discussed in the next section.

### **Description of the STSM main achievements and planned follow-up activities**

Description and assessment of whether the STSM achieved its planned goals and expected outcomes, including specific contribution to Action objective and deliverables, or publications resulting from the STSM. Agreed plans for future follow-up collaborations shall also be described in this section.

*(max. 500 words)*

Grantee summarised the content of the Miro boards by questions asked, grouped the answers by themes and produced a detailed summary of the work done in WG4. Based on the content, we did not have enough material to develop a Theory of Change model or use another theory-based framework to link all the work done in WG4 and other working groups. The main problem is that the workshops and brainstorming sessions were only conducted with the members of our COST actions and not with other stakeholders as well. Another problem is that the topics covered were mainly about the end state and gaps and we do not know enough about the path between the current state and the end state, where according to the Theory of Change it is crucial to involve different stakeholders. As we did not have enough time to do all this by the end of STSM, and the task is probably too big to be done by the end of this project, we adapted the STSM objective to have the grantee write a report in the form of an article; similar to Annika's paper on STOCK Free framework, summarising and linking all the work of WG4 in relation to the work of other WGs. The basis for this outline is the work of WG4, so all chapters will contain the information gathered by WG4, which will form the bones of the report. On these bones we will build the work of the other working groups. We will not include everything that other working groups have produced, but only the most important things and concepts and references to their papers. Below is the proposed structure of the report, which will be finalised over the next few months, as we also want to include the results of the survey currently being conducted by WG4. For each chapter, we will ask the leaders of specific WG or the leaders of all working groups (depending on the chapter) for their opinion.

The proposed outline of the report:

1. Introduction: Output-based surveillance definition by SOUND control, description of objectives of our project, the need for OBS, focus on: the probability of freedom for safe cattle trade
2. Benefits of OBS: including cost-effectiveness, limitations/challenges – link to other chapters
3. New legislation: summary of the articles related to our work, definition of the EU-non-regulated diseases
4. Stakeholders: stakeholders, know-how and infrastructure, description of their motivation, role etc, challenges for the implementation of OBS
5. Control programs (surveillance and monitoring): current state – input based, differences between countries/regions (WG1), challenges – link to next chapters
6. Data: current state (WG2), challenges, a call for better data collection
7. Methods: current state (WG3), challenges
8. OBS outputs: outputs, communication, trust, challenges

9. Discussion ~ research needs: “summary” of the results of the SOUND control, challenges and how to address them to reach OBS

10. Conclusion: OBS is a reachable but challenging goal

The subchapters on challenges will form the Research agenda.