

SOUND control

COST Action CA17110

Standardizing output-based surveillance to control non-regulated diseases of cattle in the EU

SOUND control consortium



Funded by the Horizon 2020 Framework Programme
of the European Union

BACKGROUND



- Control programmes (CPs) are to be supported in light of improved *animal health and welfare*
- The EU has an active animal health policy and supports Member States to eradicate, control, and monitor certain animal diseases (group A and B diseases)
- However, other important diseases aren't under this official policy (mainly C and D group)
- Several countries have implemented country specific programmes to control non-regulated cattle diseases



CHALLENGES

- CPs for non-regulated cattle diseases in EU create difficulties in trade due to differences between countries
- EU level regulated CPs are generally *input-based*
- Lack of agreed methodologies to compare *freedom from infection*
- Standardizing inputs would be neither feasible nor efficient



AIM



Stimulate initiatives to *harmonize the outputs* of different control programmes (CPs) for non-regulated cattle diseases in European countries.

OUTPUT-BASED FRAMEWORK

- For standardized and objective comparison of different CPs
- Allowing to substantiate *confidence of freedom* and *cost-effectiveness*
- Widely adoptable
- Easy to apply by end users

PROJECT OVERVIEW



Collaboration between:

31 European countries

*> 100 experts in veterinary science,
epidemiology, sociology, economics,
databases, modelling and statistics*

Project duration:

October 2018 - October 2022



THE FRAMEWORK

5 Working Groups (WG)

WG1

Characterization of existing CPs



WG2

Data requirements and
availability



WG3

Evaluation of existing methods



WG4

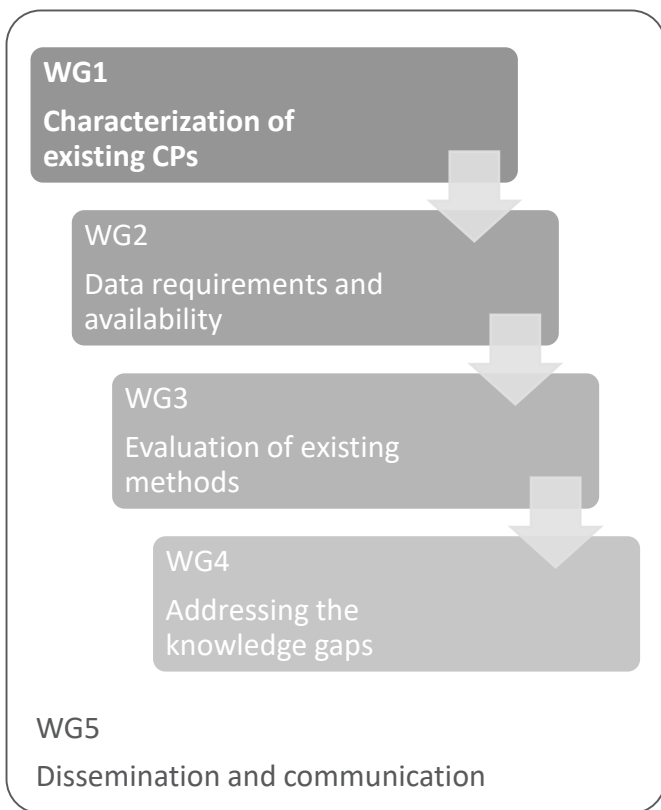
Addressing the knowledge gaps

WG5

Dissemination and communication



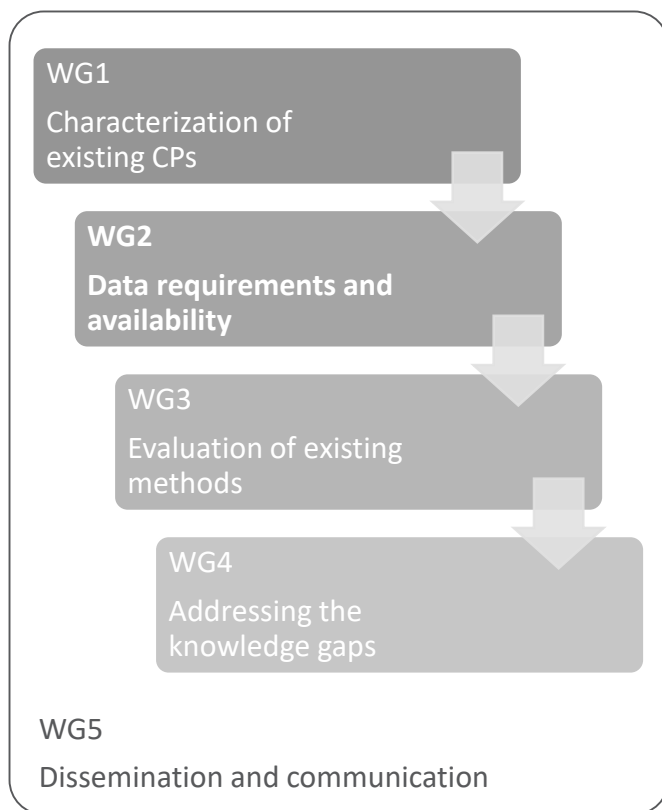
WG1 - Characterization of existing CPs



- Description of the current CPs across European countries
- Identification of stakeholders across Europe
- Defining requirements for output-based methods



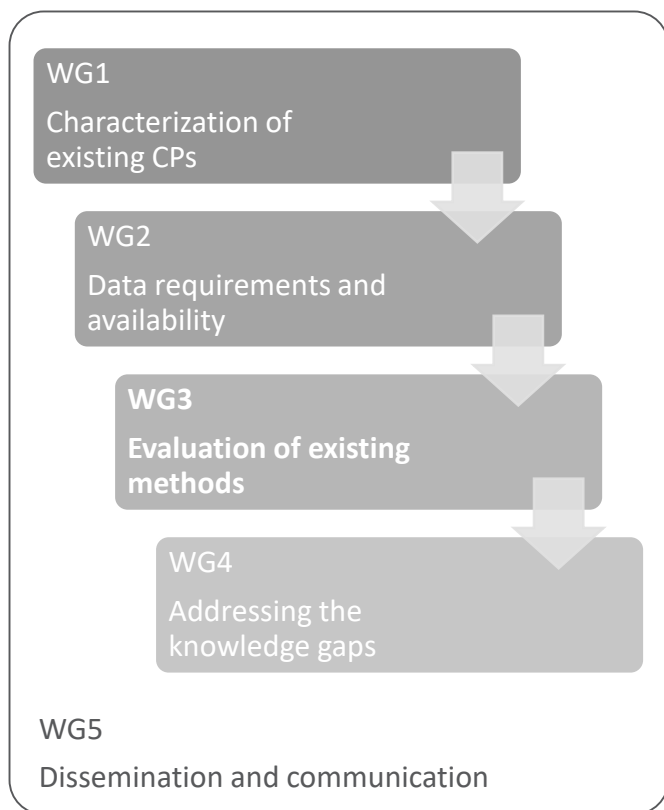
WG2 - Data requirements and availability



- Determination of data needs
- Evaluation of parameters to be included
- Evaluation of data models that can be used in an output-based framework
- Assessment of data availability and quality for each participating country



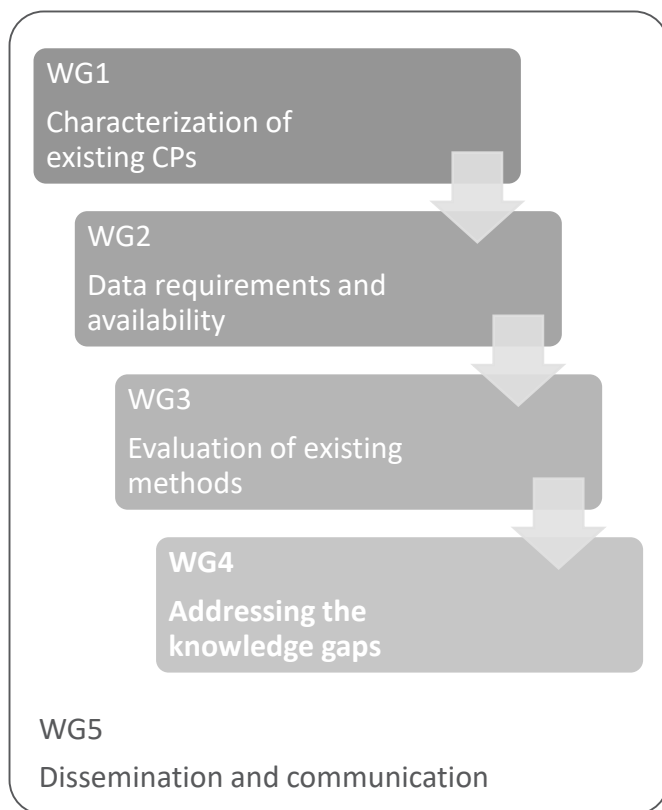
WG3 - Evaluation of existing methods



- Assessment of the available mathematical and statistical methods
- Review of strengths and weaknesses of methods that are/could be used
- Identify gaps
- Recommendations for methods that can be used for output-based comparison



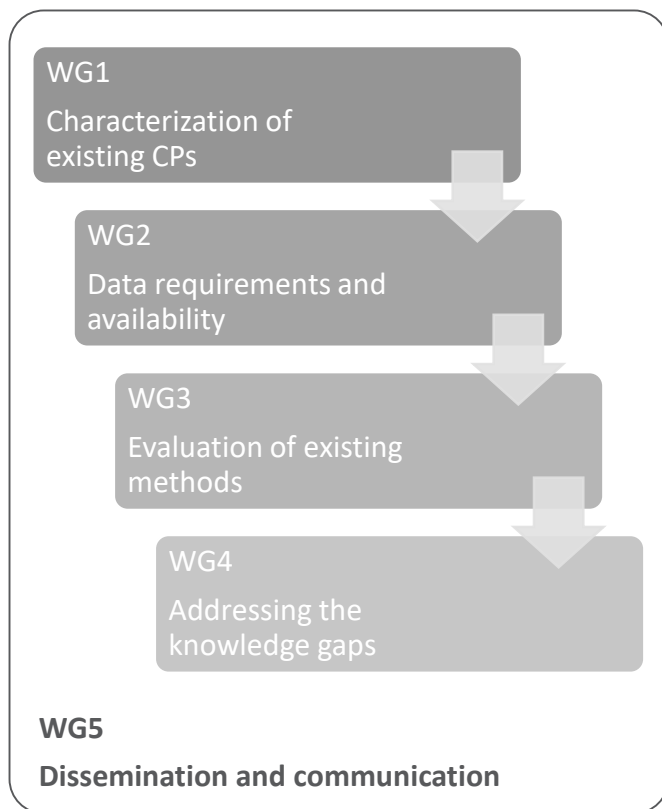
WG4 - Addressing the knowledge gaps



- Create a joint research agenda focused on the development of an *output-based framework*
- Encourage research initiatives that combine inputs of different disease CPs into an output-based framework that may be applied to a large number of non-regulated cattle diseases



WG5 - Dissemination and communication



- Disseminate and communicate the available knowledge and the knowledge achieved during the SOUND control project through each of the collaborating partners
- Establish long-term collaborations and lay the scientific basis for policies aimed at improving the safety of intra-community trade in cattle

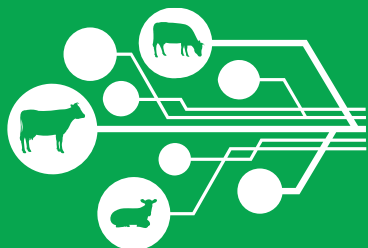


VISION



A complete *output-based framework* for standardized and objective comparison of CPs that is supported throughout Europe and is used to enhance safe trade.





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Thank you for your attention.