Innovative tool development: Experiences from the DECIDE project

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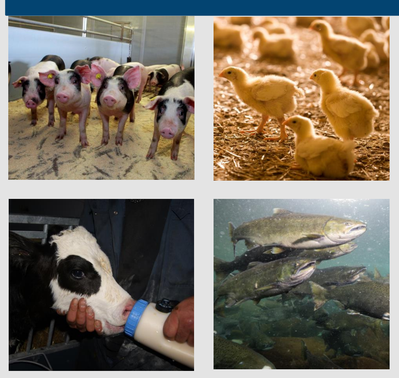
Aim & focus



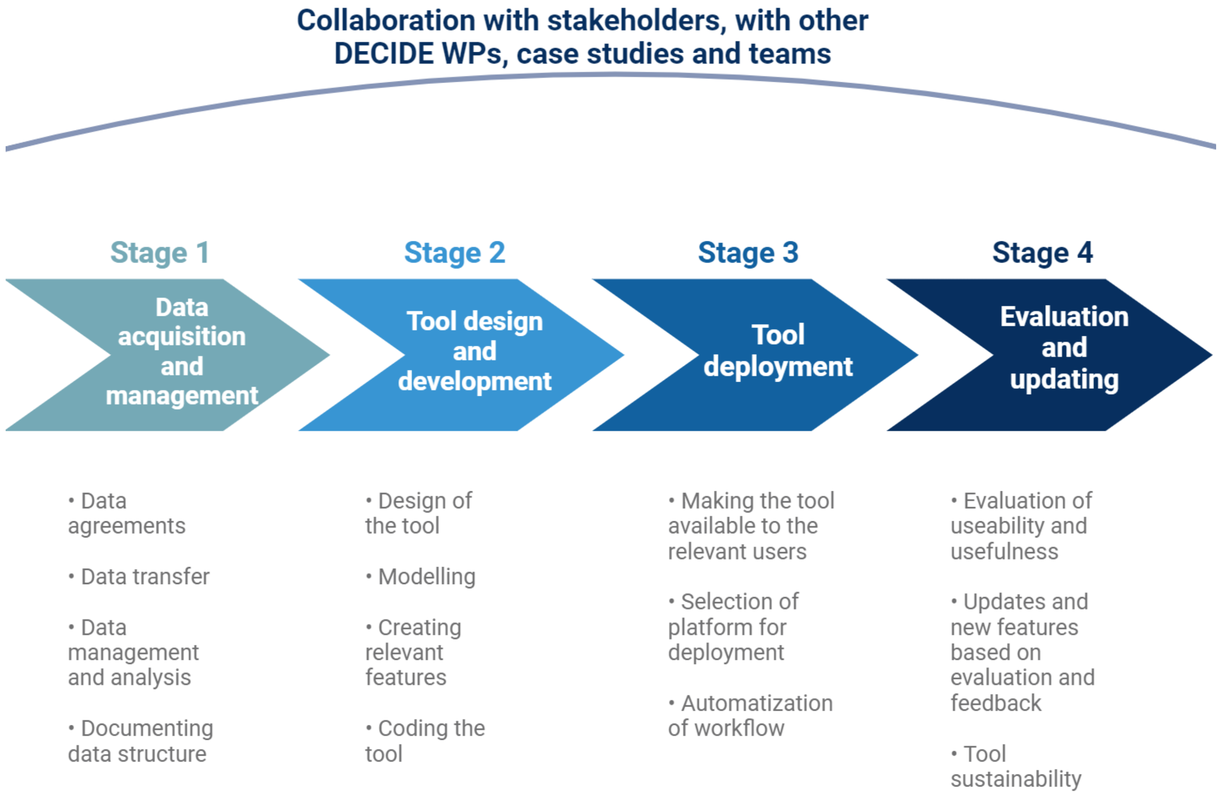
The goal of the DECIDE project is to develop data-based and data-driven tools that may help controlling endemic contagious diseases in farmed animals, thereby reducing the health and welfare burden of these diseases. The focus is on gastro-intestinal and respiratory infections in pigs, poultry and calves and mortality in salmonids.

Decision support tools

Data-driven tools	Co-creation with stakeholders
Output generated from existing data sources, considering: • Data access • Early warning and disease transmission • Multidimensional burden of disease	• Identify **needs** and discuss potential **use** • Solve **technicalities** to **create** the actual tool • **Demonstrate** the tool • Feedback on **usability** and **usefulness**

20 partners from 11 countries

Tool development process



Find the tools at: www.decideproject.eu

Challenges	Solutions
Collaboration with stakeholders	Development of "business cases" to show the benefits to the stakeholders; built trust!
Data access, use and sharing	Implement metadata; involve data providers; built trust!
Legal aspects	Anonymisation of data, bilateral contracts, joint controller agreement
Data infrastructure and resources.	For modern solutions to access and manage data, bring code to data, design and host tools, interdisciplinary teams are crucial (just vet epi is not enough)
Generalizing tools	Use ontologies; copy aspects of tools rather than re-using code.
Maintaining tools after end of project	Defining sustainability plans is critical for the long term success of data tools.

Conclusions

Co-creation with stakeholders and focus on their needs is essential

Need for interdisciplinary collaborations

Improvement of data infrastructure is needed

"Tensions" Research vs Practice will remain and some tools will only stay conceptual

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