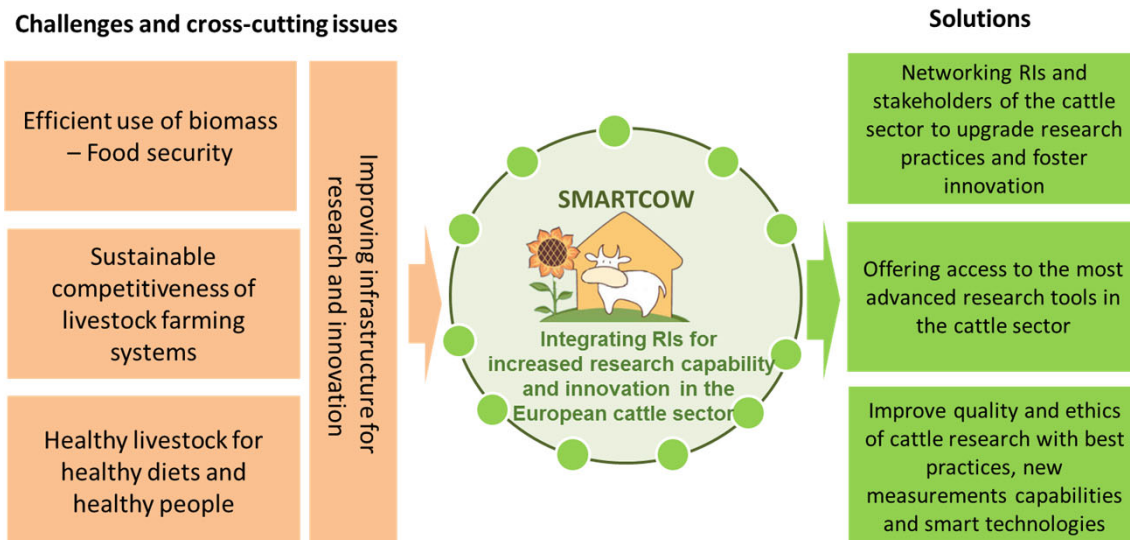


An integrated infrastructure for increased research capability and innovation in the European cattle sector

Background: SmartCow is an infrastructure H2020- INFRAIA project funded by the European Commission for 4 years starting on 1st February 2018. SmartCow provides scientific and technical skills in animal nutrition, genetics, health and welfare, data management and knowledge transfer.



Networking activities

- Develop an inventory of animal research infrastructures and capabilities in Europe
- Harmonise and standardise procedures in animal care and data recording
- Disseminate project outcomes and involve stakeholders

Joint research activities:

- Refining *in vivo* methods to evaluate feed efficiency and emissions,
- Developing proxies of feed efficiency and emissions
- Advancing analysis of data from sensors used to monitor animal behaviour. SmartCow considers the welfare of experimental animals and the implementation of the 3R principles

Transnational access:

- Research projects with cattle can be performed at ten following research infrastructures: INRA-France, SRUC-UK, WU, WUR/DLO-The Netherlands, UREAD-UK, FBN-Germany, Teagasc-Ireland, AU-Denmark and IRTA-Spain
- Around 2500 dairy and 1000 beef cattle available
- Up to 30 research projects (60 users) will be financed by the SmartCow project after application and selection through specific research calls

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