

Artificial Intelligence & continuous monitoring sensors for decision support in management of livestock

Summary

This research project aims to develop real time, animal healthcare continuous monitoring devices and AI based data analytics for decision support in management of endemic diseases, health, wellbeing, and fertility management in farm livestock.

This will be done through initial feasibility studies in a collaboration between Swansea, Liverpool & Aberystwyth University.



“ This new technology has the potential to radically improve livestock disease monitoring. ”
Dr Joe Neary, Veterinary scientist and farmer

Benefits

- Collaboration set up between Swansea (SU), Liverpool (UoL) and Aberystwyth (AU)
- Identified and engaged with stakeholders
- Joint UKRI research proposals developed between the Universities and partners
- Preliminary studies on ideal anatomical location for sensors

Currently these animal skin diagnostic patches are being developed for monitoring in milking cows. This innovation can be further extended to other livestock animals such as beef cows and sheep.

Further exploitation/next steps

Development of real time animal healthcare continuous monitoring devices and AI data analytics to monitor wellbeing, endemic diseases and fertility management in livestock.

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Project group

