

Improving animal health and competitiveness on organic and conventional farms through the use of 4.0 sensor technology

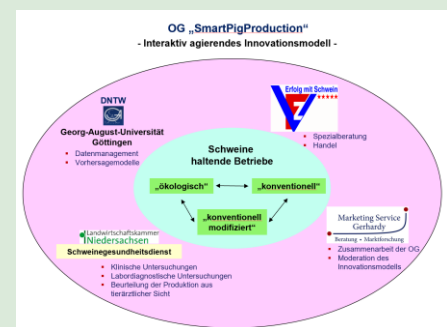
Verbesserung von Tiergesundheit und Wettbewerbsfähigkeit auf ökologisch und konventionell wirtschaftenden Betrieben durch Einsatz von 4.0 Sensortechnik

Germany, Niedersachsen

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Operational Group

It is an increasing challenge for pig farmers to improve animal welfare, reduce antibiotic use, make production more transparent and meet society's animal husbandry requirements. Good animal health and an overall stress-reducing attitude are of particular importance. In the interdisciplinary OG "SmartPigProduction" (SPP) farmers, experts, consultants, scientists and veterinarians are involved in order to implement 4.0 sensor technology on pig farms and to increase knowledge about pig keeping and animal health. By collaborating with conventional and organic operating farms, synergy effects are lifted in an interactive innovation model. On the basis of SmartData, predictive models for optimizing husbandry and animal health are being developed. This will enable farmers to react in real-time without delay to any reactions of the animals and developments in the stable.



Lead partner

Hubert Gerhardy, Marketing Service Gerhardy, SME

Other partners

Research

- ▶ Georg-August-Universität Göttingen, Department of Animal Sciences (DNTW)
- ▶ Chamber of Agriculture Lower Saxony, Swine Health Service

Farmers

- ▶ Hilmar Schmidt
- ▶ Ingo Nuttelmann
- ▶ Andreas Gödecke
- ▶ Jens Meyer
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