## **Biosecurity measures in French poultry farms are** associated with farm type and location

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**HPAI** in France 2015-16 : Mostly South-West 81 outbreaks • Mostly free-range ducks 2016-17 : 450 outbreaks





Assess biosecurity practices in poultry farms over the whole French territory

Identify if **profiles** in biosecurity compliance are related to production area and poultry type

Varlorise data on official farm inspections generated by veterinary authorities





## **Discussion : method**

- Valorization of data from veterinary health authorities
- **Sampling** : over-representeation of Southwestern duck farms, due to a risk-based sampling
- **Reliability of data** : cross-checking of different data sources (interview + farm records + observations)
- Many inspectors involved : guidelines were distributed to avoid an interviewer bias, but some data was lost because of some discrepancies

## **Discussion : persepctives**

- Adaptation of sampling, for future biosecurity inspections campaigns
- Adaptation of biosecutiy advice given by stakholders, after the identification of common breaks in biosecurity
- Massive biosecurity database that can be used for other research. (e.g., Guinat et al., 2020, Biosecurity risk factors for highly pathogenic avian influenza (H5N8) virus infection in duck farms, France)



compliance level

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## Acknowledgements :

- French Ministry of Agriculture, for providing the data
- Aurélia Payot, for providing useful comments on the data
- This work was carried out in the farmework of the « Chaire de Biosécurité aviaire », ENVT
- This work was financially supported by the FEDER/Région Occitanie Recherche et Société 2018 AI-TRACK

