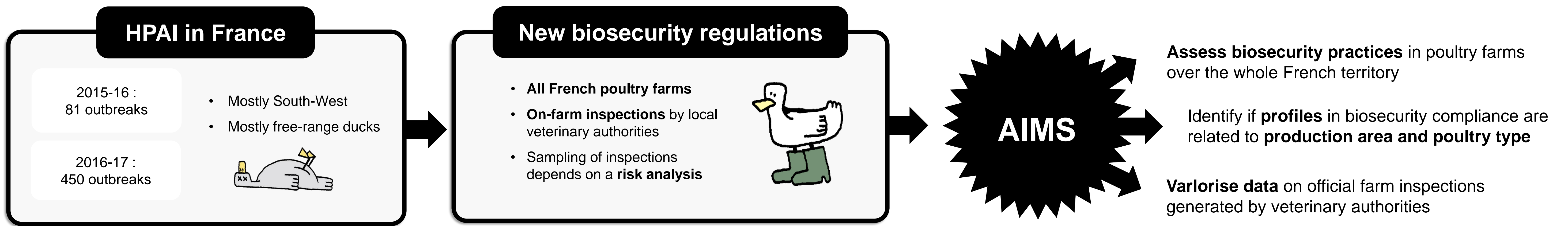


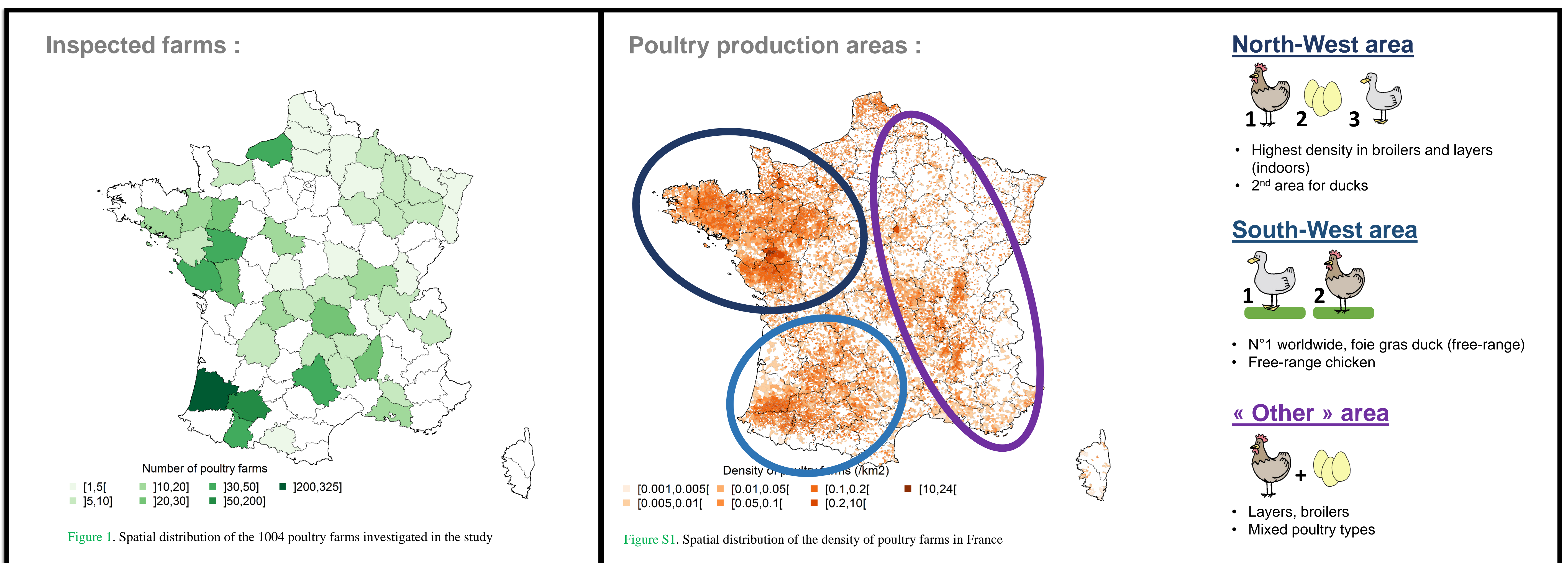
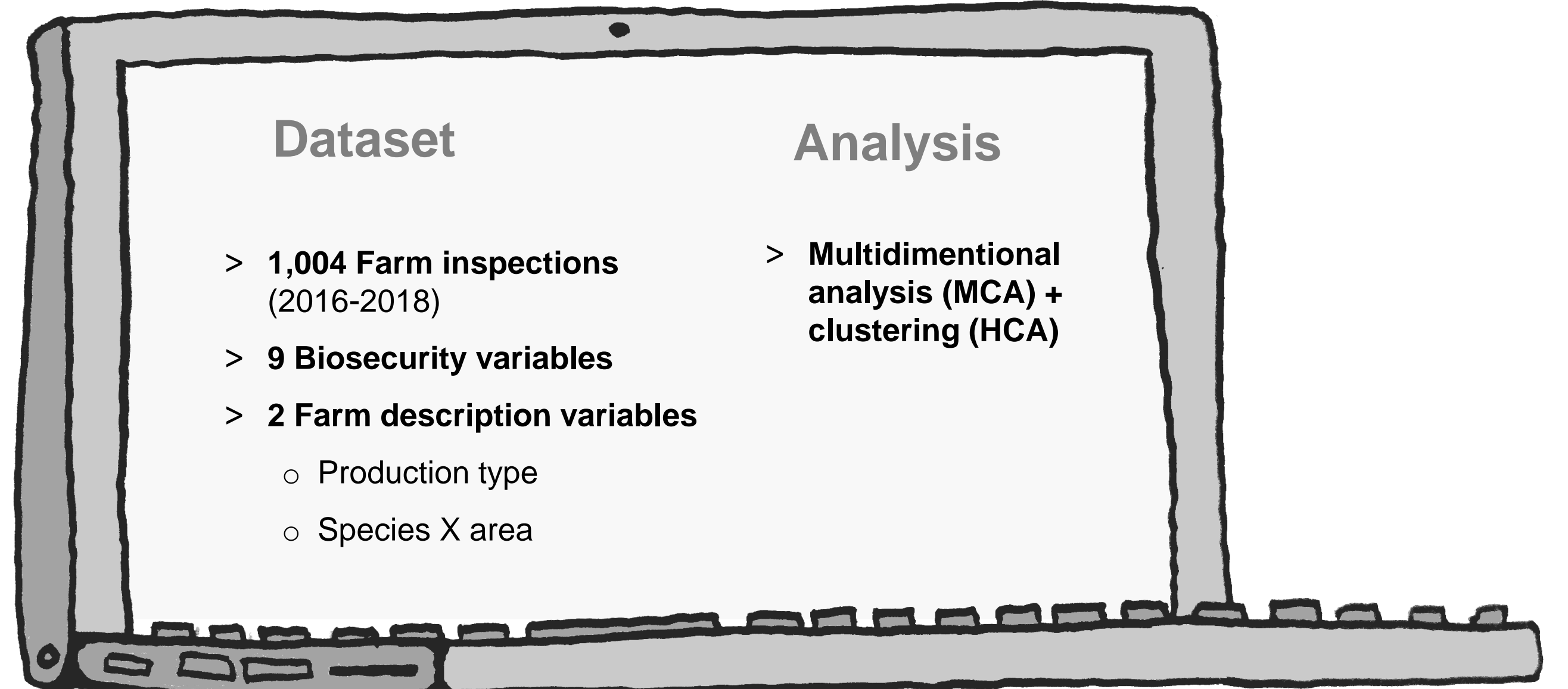
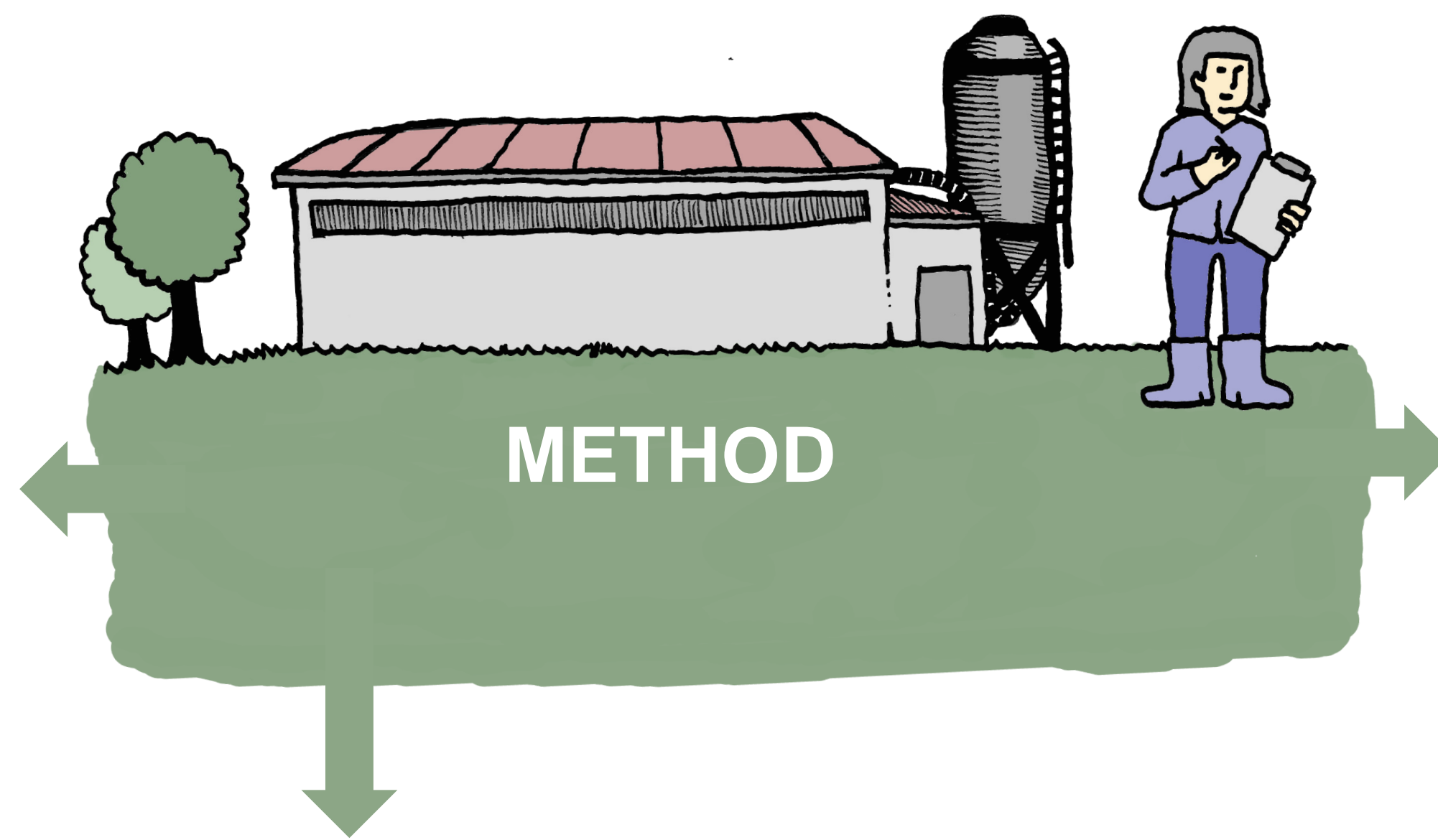
Biosecurity measures in French poultry farms are associated with farm type and location



Mattias Delpont¹, Claire Guinat¹, Jean-Luc Guérin¹, Eric Le Leu², Jean-Pierre Vaillancourt³, Mathilde C. Paul¹

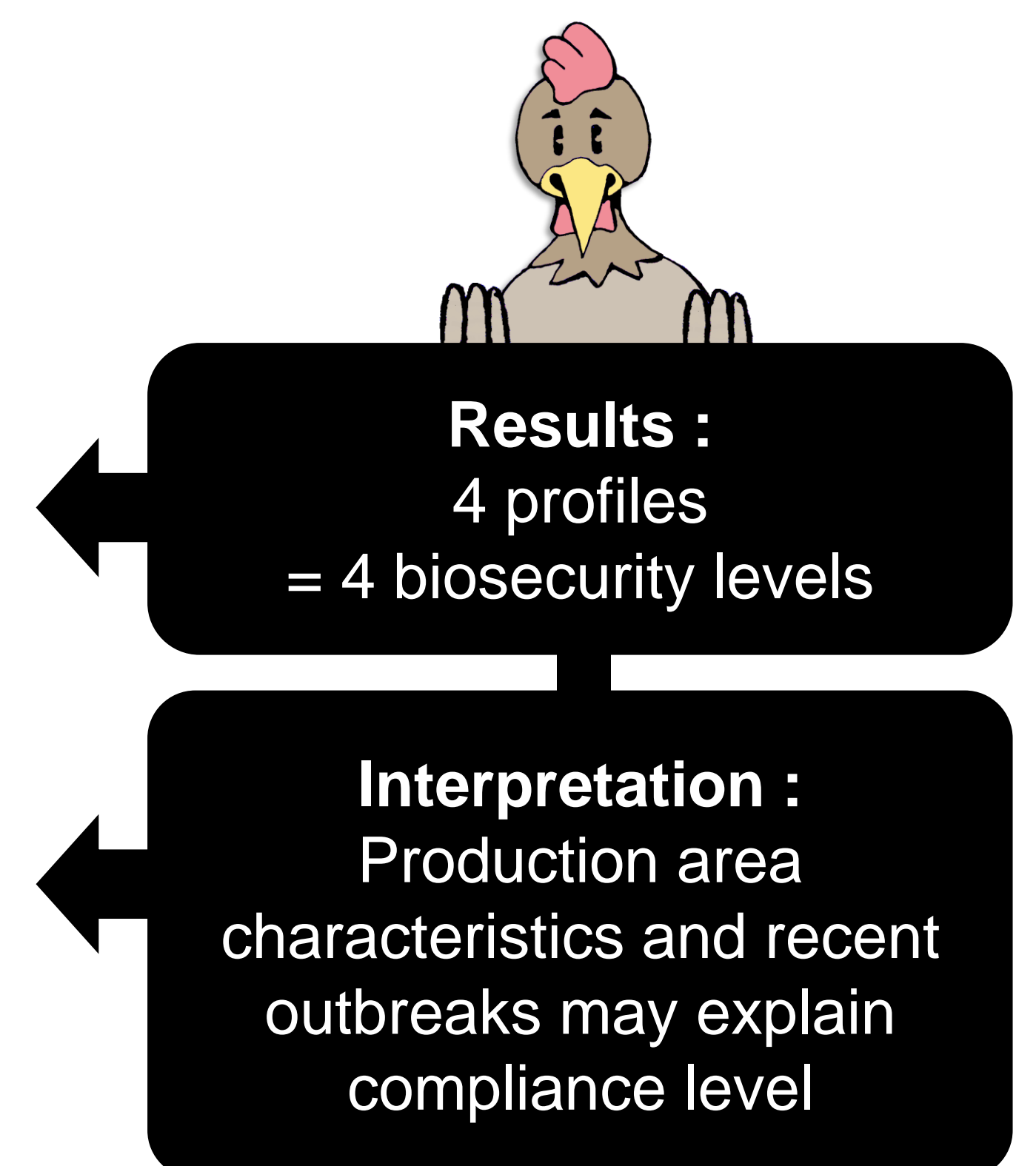
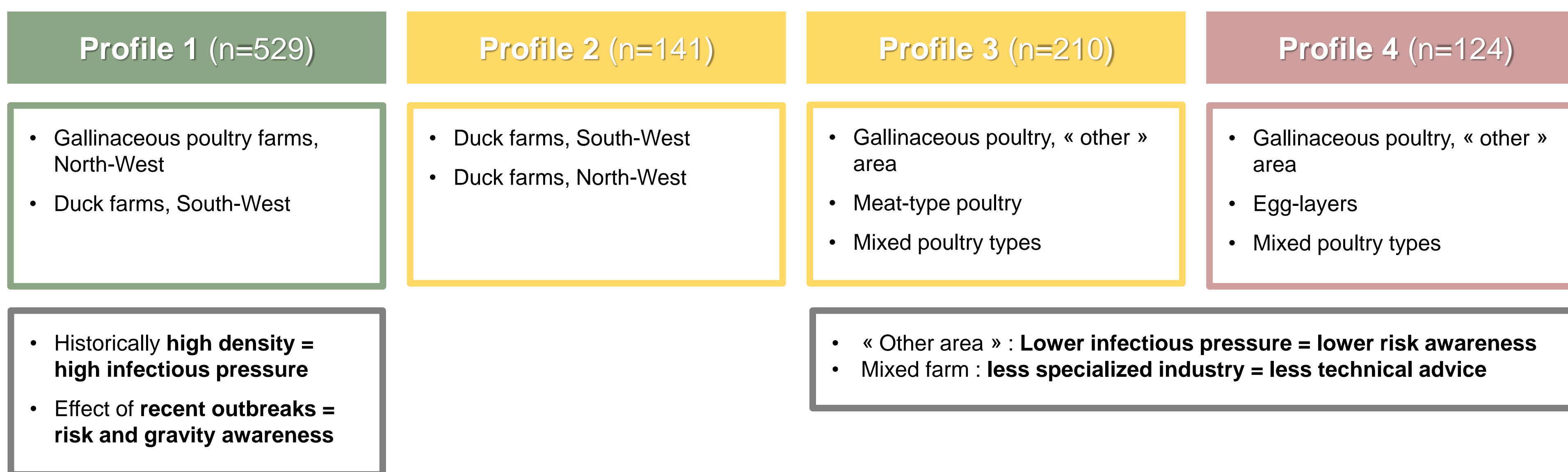


- Biosecurity variables**
1. Biosecurity plan
 2. Training in biosecurity
 3. Delimitation of farm and units
 4. Management of vehicle movements
 5. Anterooms
 6. Cleaning and disinfection
 7. Clear area around poultry units
 8. Pest management protocols
 9. Downtime



Compliance (+++)

Compliance (---)



Discussion : method

- **Valorization** of data from **veterinary health authorities**
- **Sampling** : over-representation 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 : perspectives

- **Adaptation of sampling**, for future biosecurity inspections campaigns
- **Adaptation of biosecurity advice** given by stakeholders, 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)

