B I O ≥ S E C U R E ⊡ Quantitative Risk Analysis as a Tool to **Improve Biosecurity on Cattle Farms**

Natalia Ciria¹, Alberto Allepuz¹, Giovanna Ciaravino¹

¹Universitat Autònoma de Barcelona, Spain

B

Yes

Objective

To quantify the probability of pathogen introduction to cattle farms through animal movements and the impact of biosecurity measures on prevention.

Methods

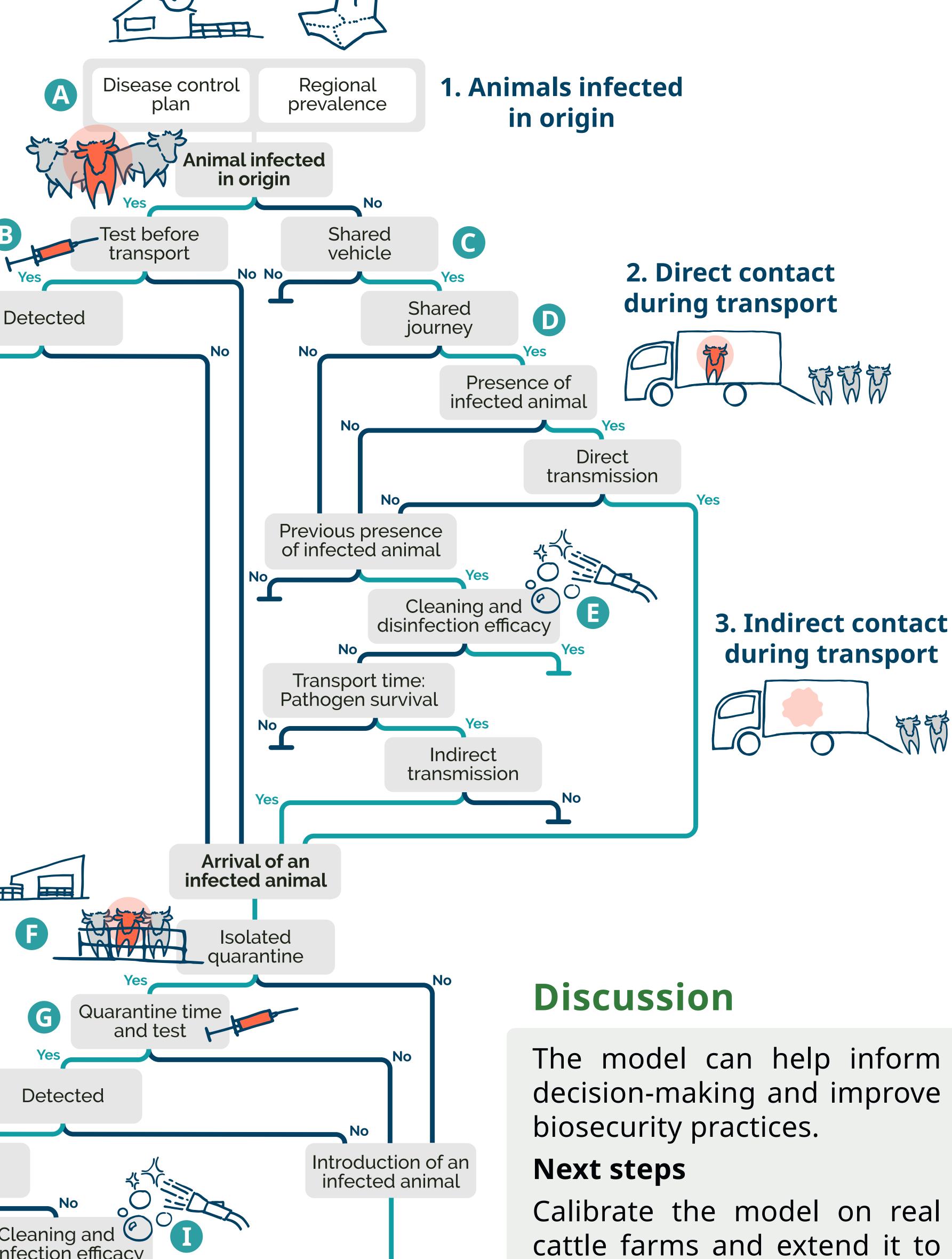
Quantitative stochastic risk assessment model using data from farm surveys, available databases and literature.

Pathway: Purchase of cattle Pathogens can be introduced by [1-4]



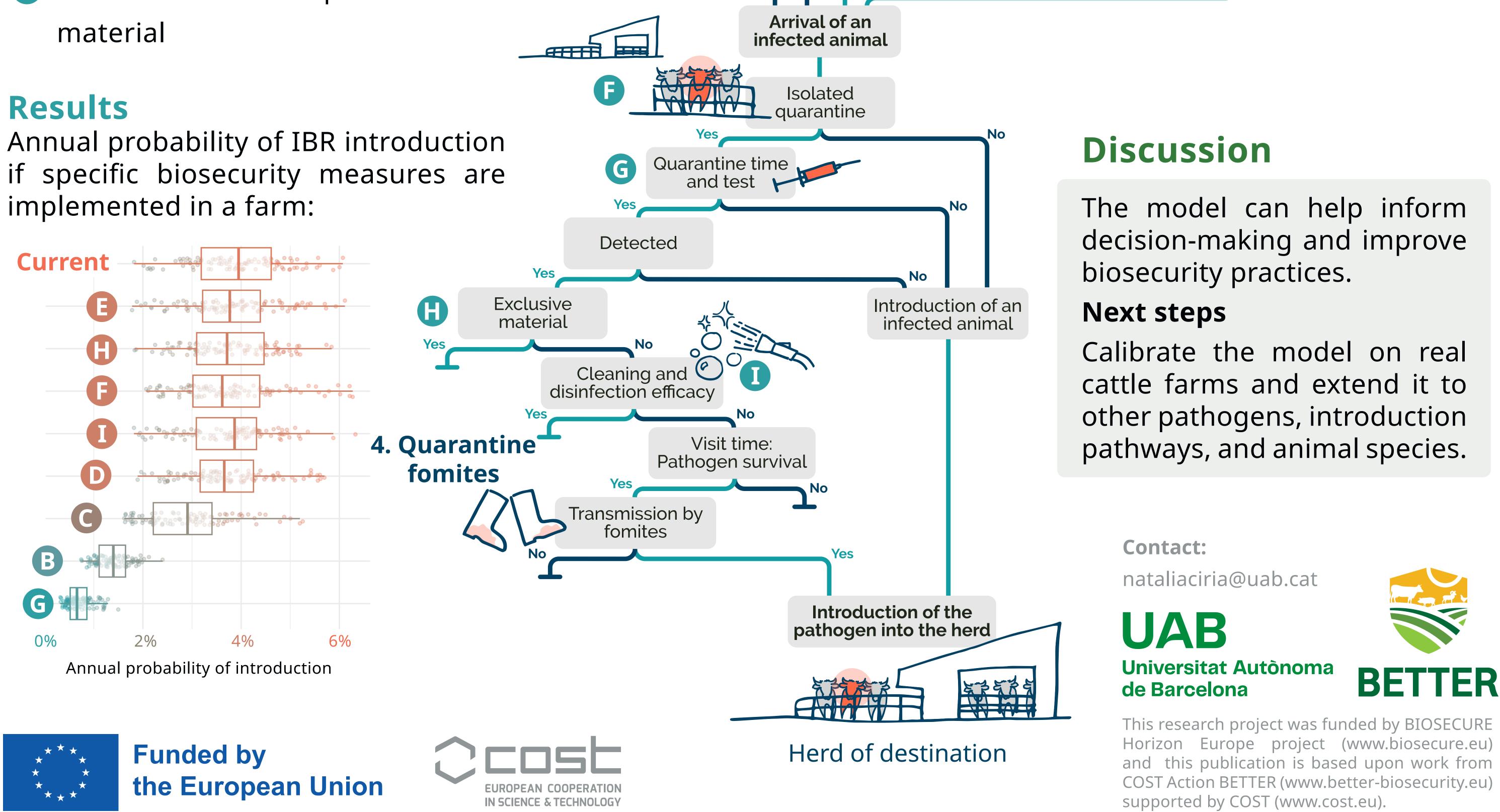
Biosecurity measures assessed

- Purchase animals from herds with a disease control plan
- Test animals before transport B
- Use your own vehicle and do not share it
- Do not transport your animals with animals from other farms
- Clean and disinfect the vehicle
- Quarantine new animals
- Test animals during G



quarantine

- Use exclusive quarantine B material
- Clean and disinfect quarantine material



during transport