

# Overcoming challenges of pheromone testing under simulated use conditions

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Study Director



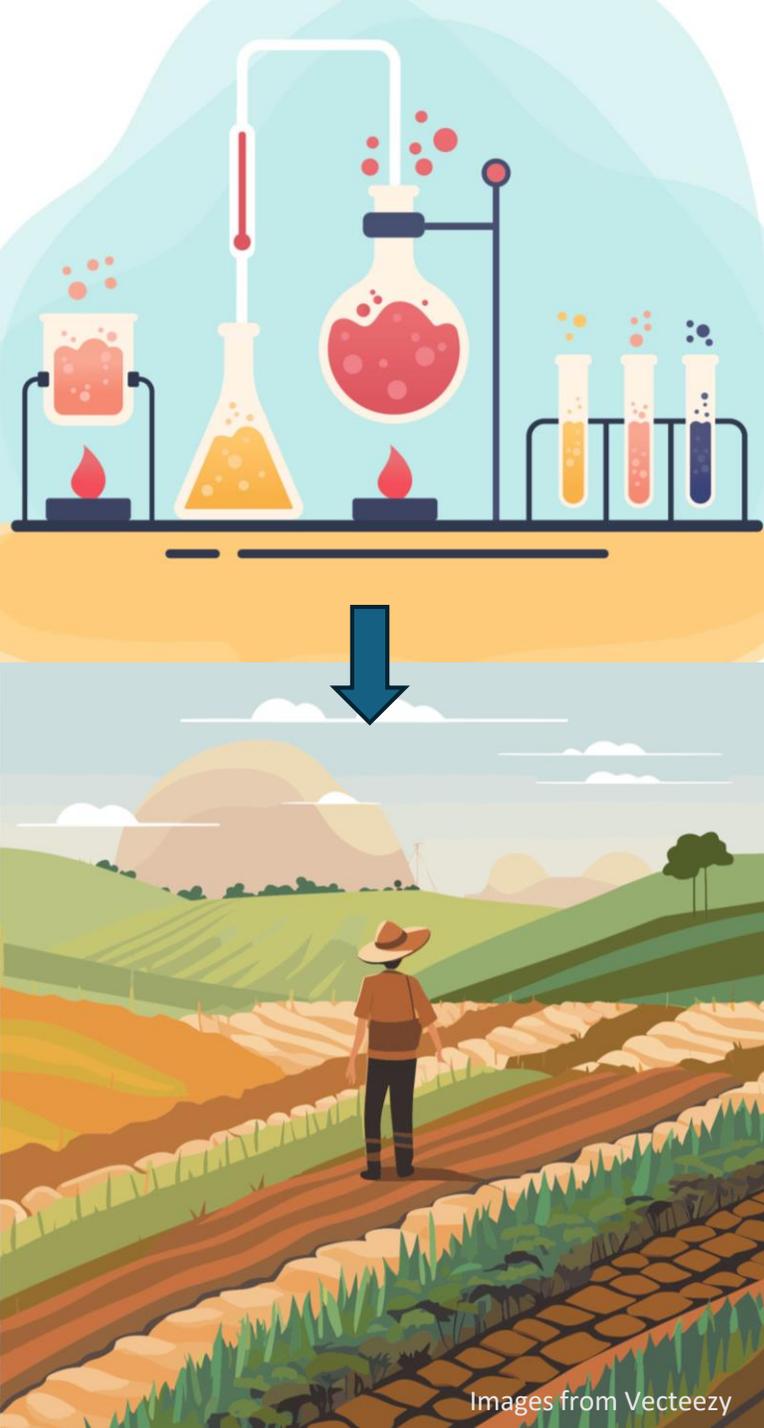




Species specific  
Highly relevant for the organism  
Effective at low doses

No damage on NT  
No resistance  
No persistence







Images from Vecteezy

## Simulated use

Designed to mimic the practical use situation

- Controlled conditions
- Introduce variability gradually

- Standard protocol

Protocol for pheromone testing under a simulated use set up.

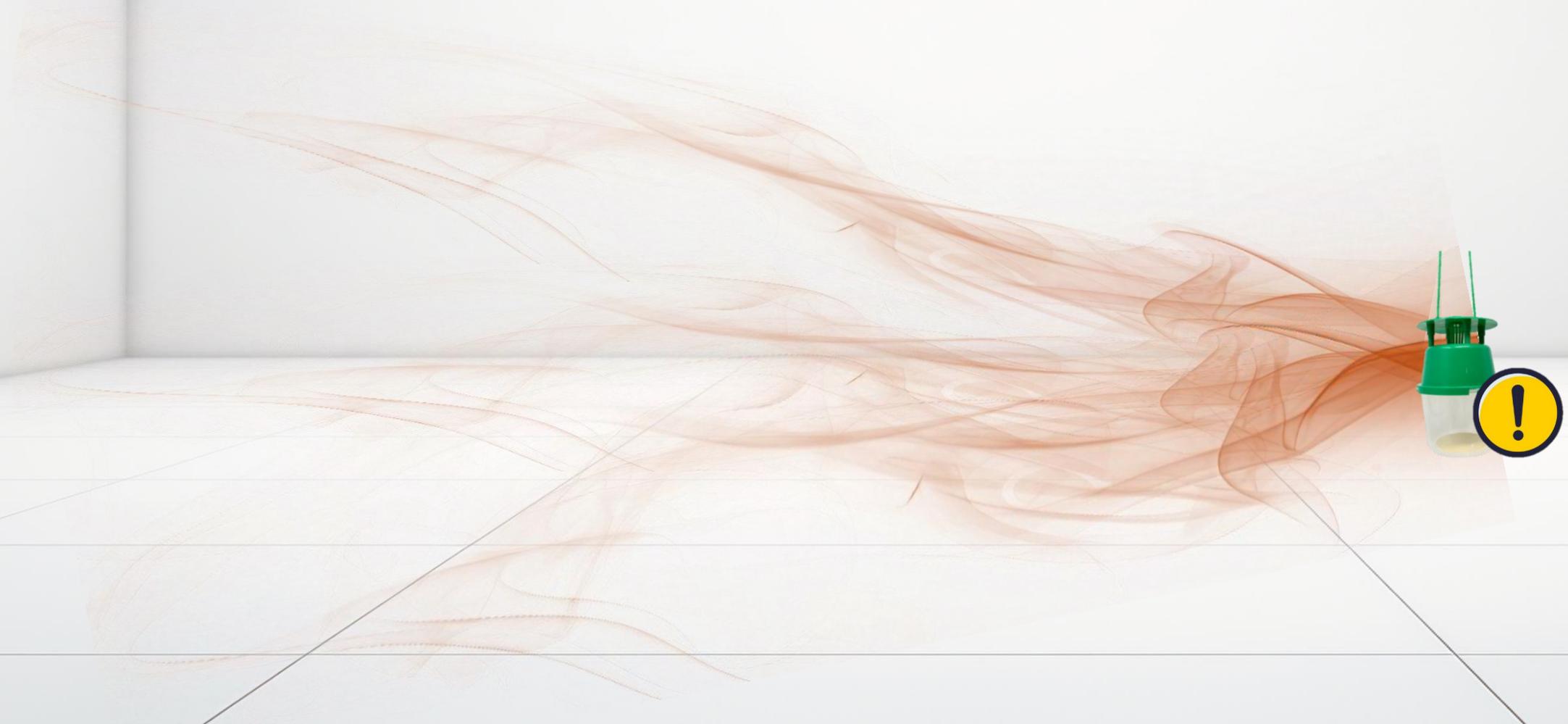


Challenge I  
The right amount

Challenge II

Challenge III

Challenge IV

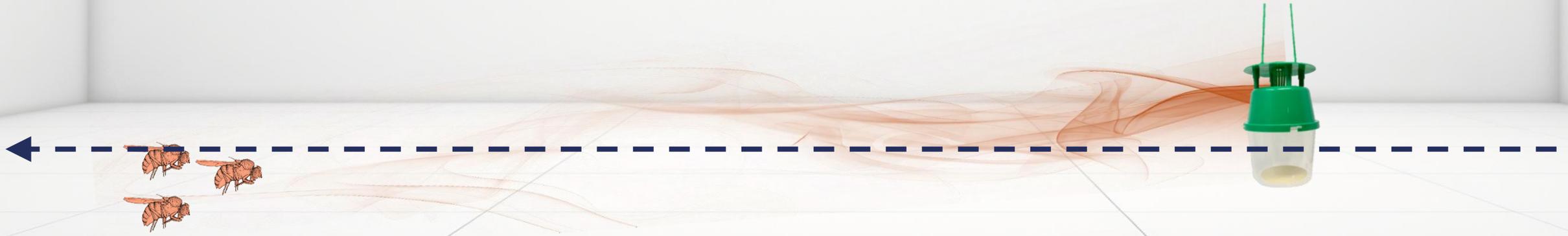


Challenge I  
The right amount

Challenge II

Challenge III

Challenge IV

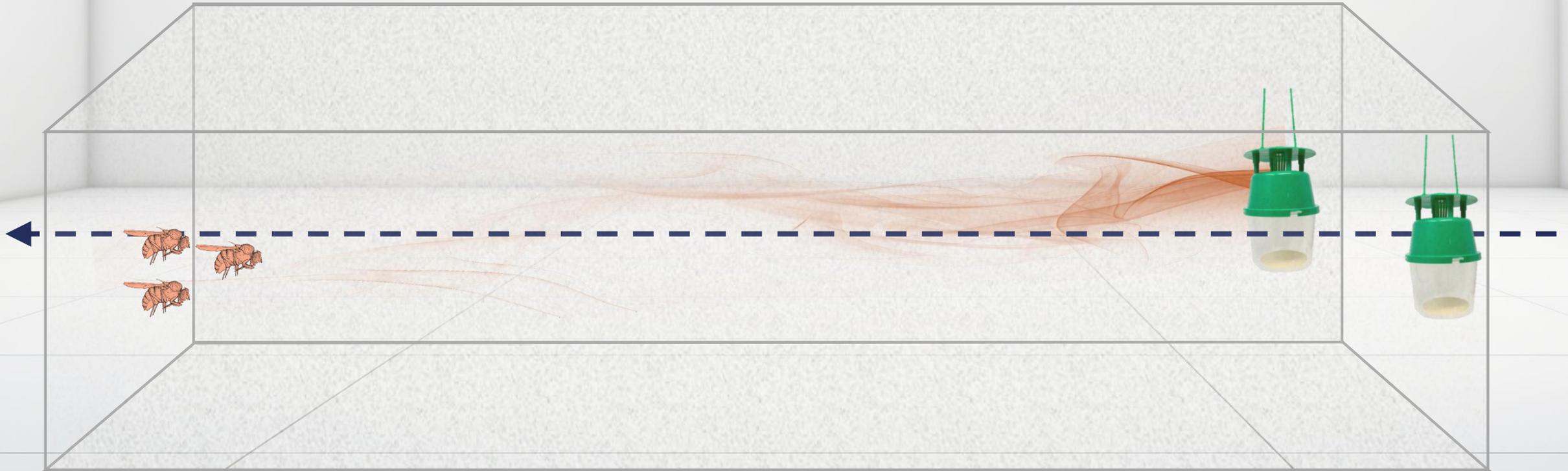


Challenge I  
The right amount

Challenge II  
The air flow

Challenge III

Challenge IV

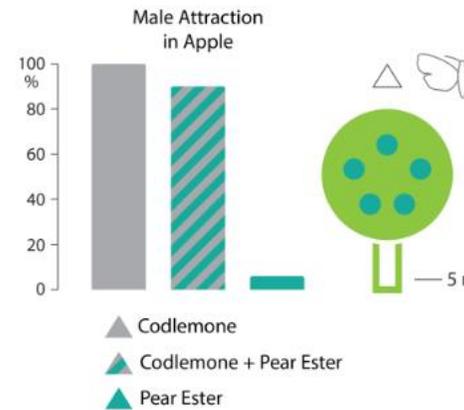




## Host Plant Odour and Sex Pheromone are Integral to Mate Finding in Codling Moth

Anna Laura Erdei<sup>1</sup> · Maria Sousa<sup>1</sup> · Francisco Gonzalez<sup>1</sup> · Marie Bengtsson<sup>1</sup> · Peter Witzgall<sup>1,2</sup>

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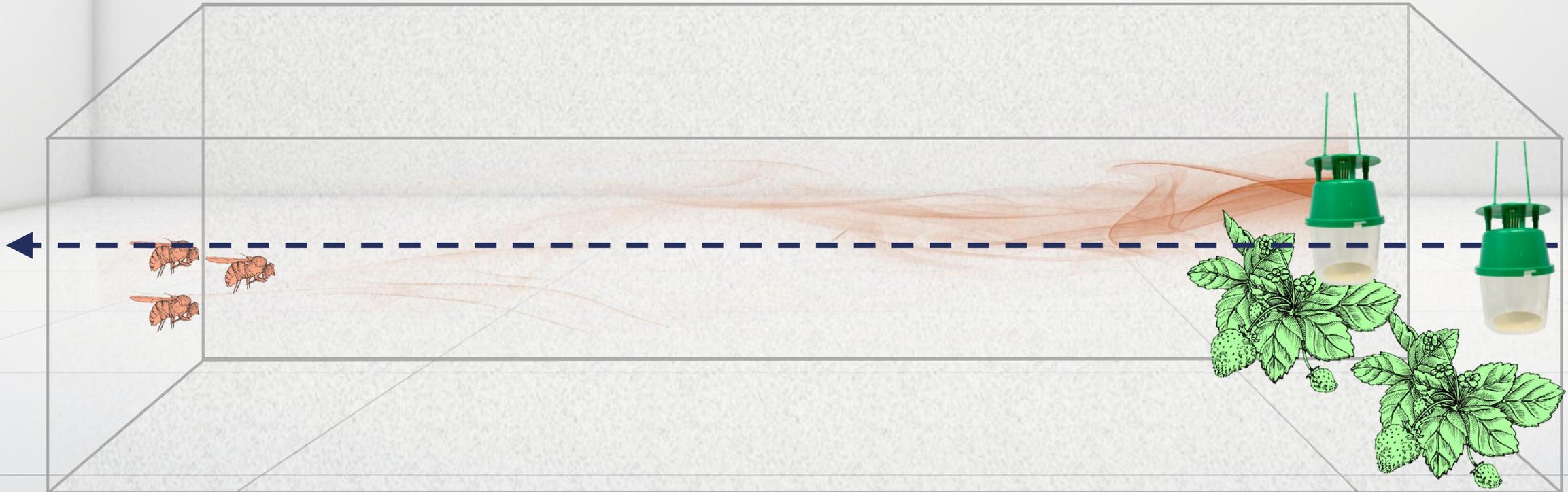
Male attraction is mediated by  
pheromone+host plant odour

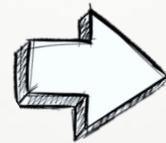
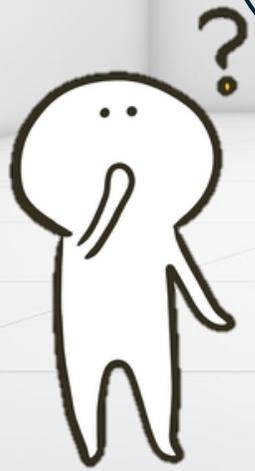
Challenge I  
The right amount

Challenge II  
The air flow

Challenge III  
Experimental design

Challenge IV  
Mimic practical situation





↑ throughput of the product  
↑ speed of product development  
↓ costs of testing

The experimental design must be tailored to the system we are working with

# Thank you very much for your attention!



Poster  
Hall 4.0



Where science matters

