

TEMPDOG

RIAN LENSEN

PhD student,
University of Namur

PROMOTERS:

Prof. Dr. Claire Diederich, U. Namur
Dr. Christel Moons, UGent



Objectives

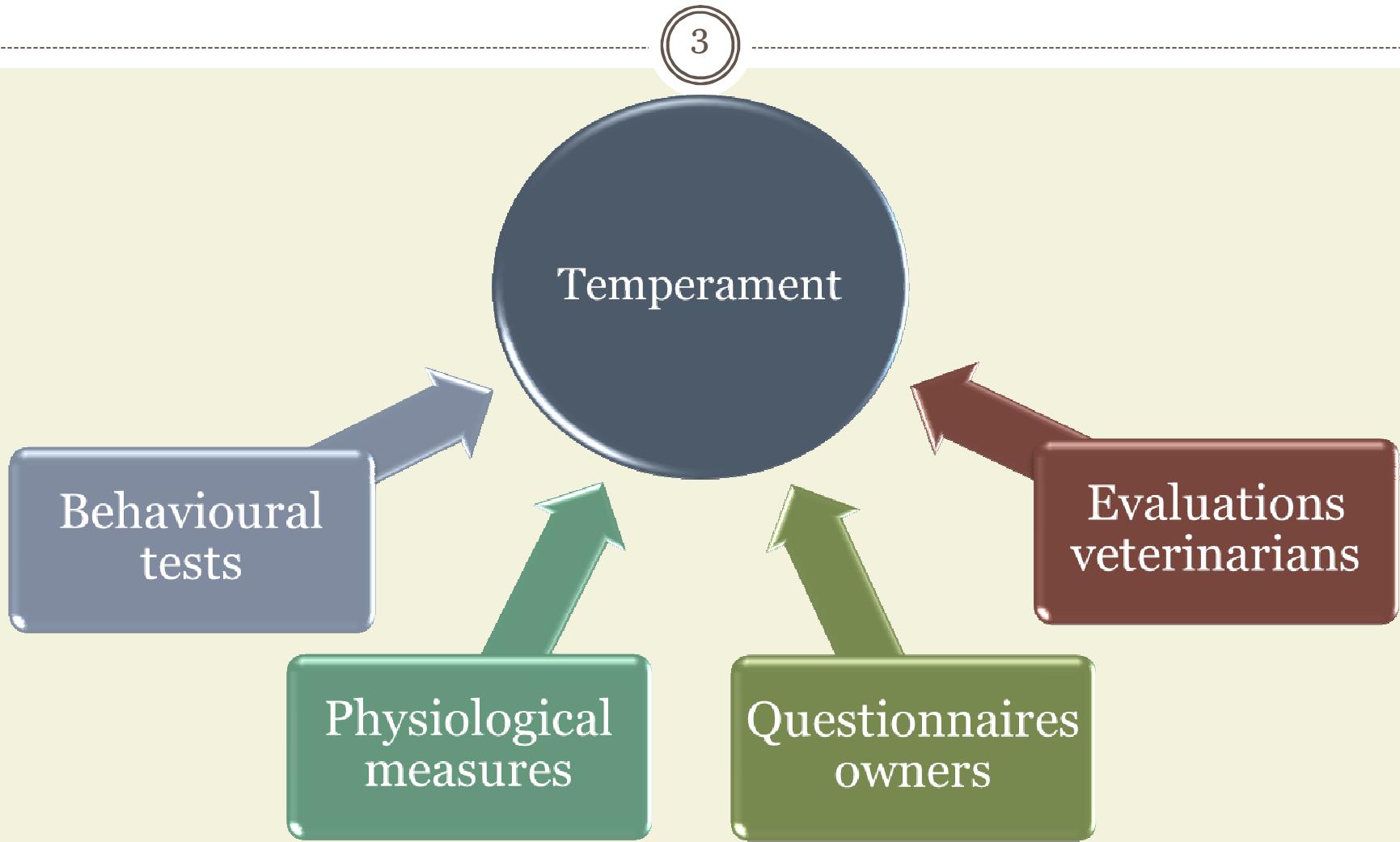
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Identification “high-risk” individuals
for developing behavioural problems

Parameters to validate prediction;
Identification of optimal test age

Proposition of tool for early
assessment of risk by veterinarians

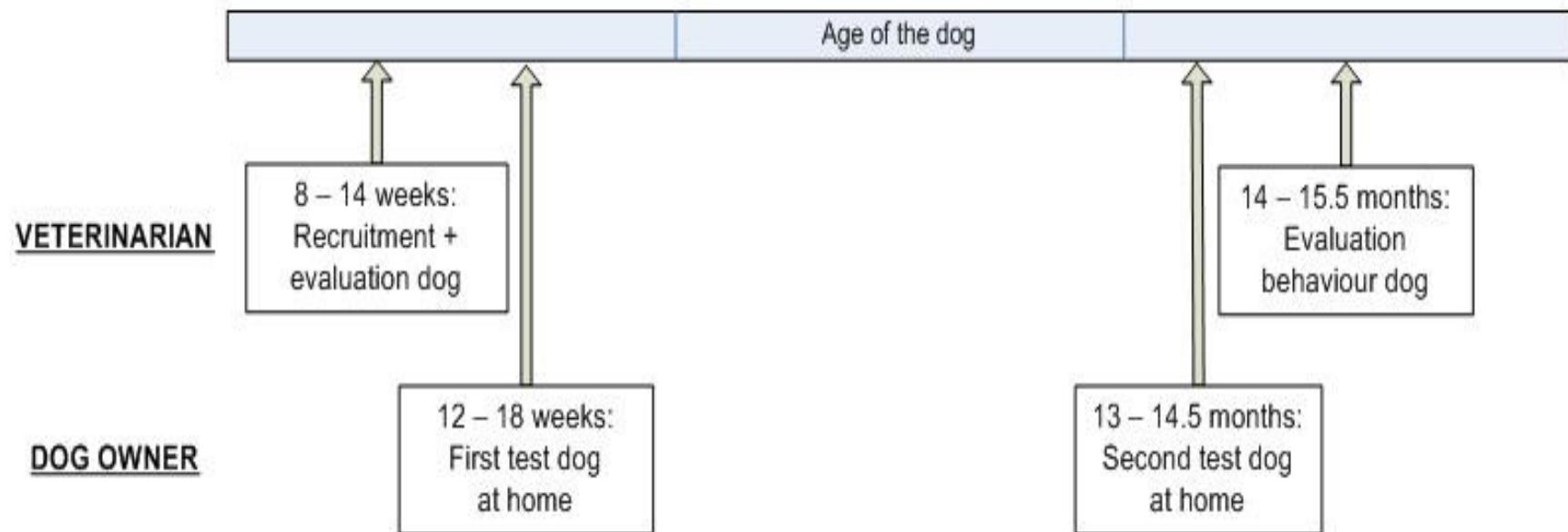
Procedure



Evaluations per dog

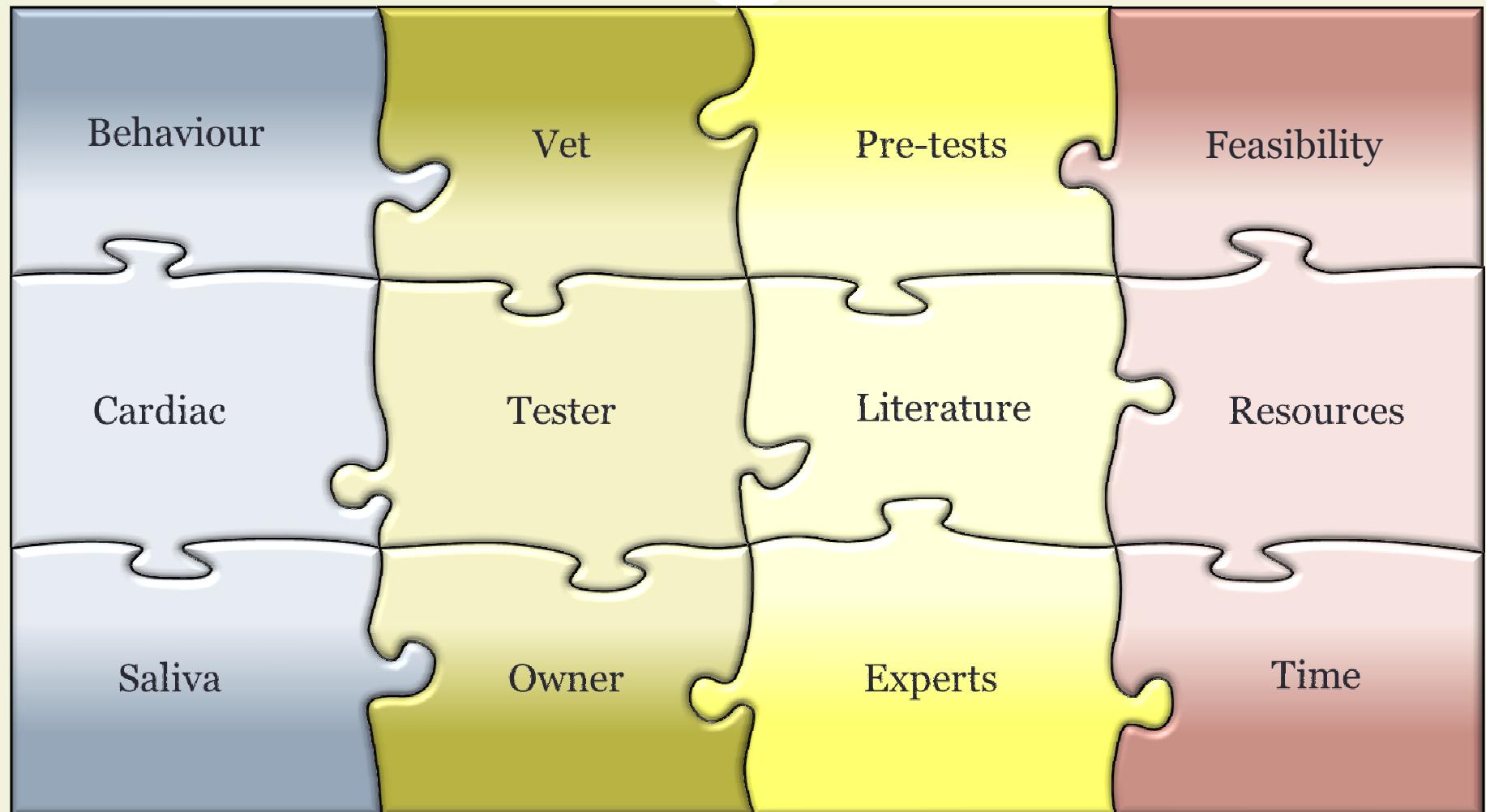
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Evaluations per dog



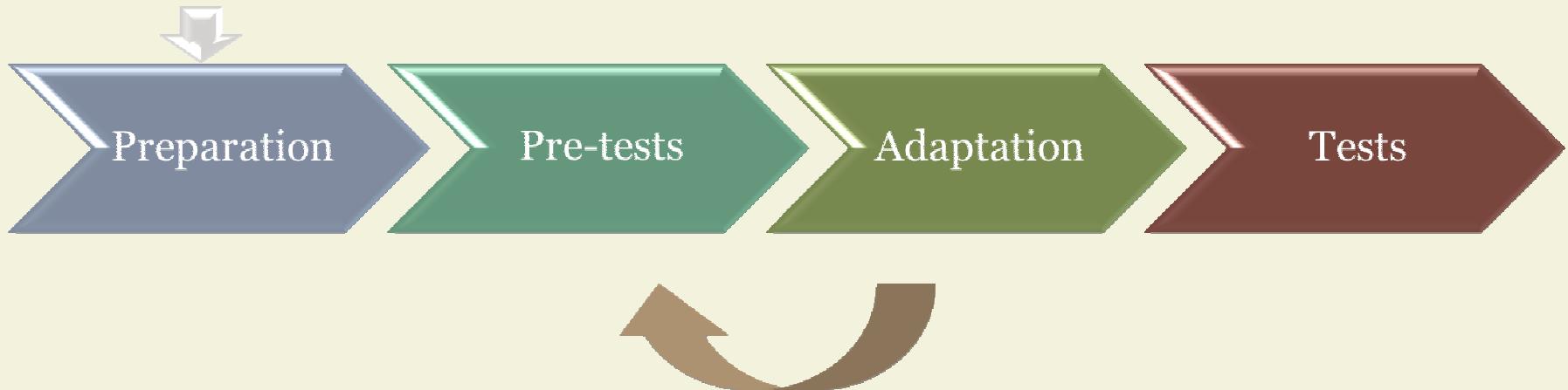
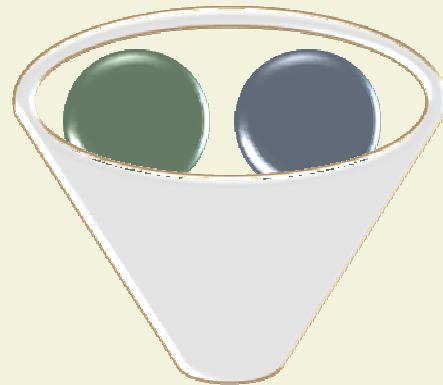
Aspects involved

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Preparatory phases

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- Selection from literature
- Discussion experts
- Pre-tests



→ Considerations different methods



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Behavioural tests

Selection variables

- Specificity, variability, redundancy
- Behavioural patterns from literature

Standardisation

- Executing person, instructions owners
- Fixed interval between subtests

Preparation

Pre-tests

Adaptation

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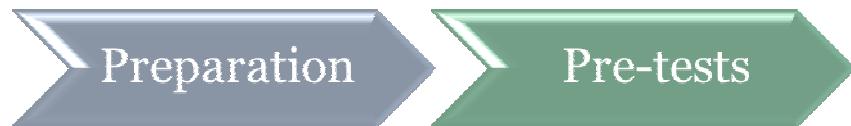
Behavioural tests



Instruction videos



Instructions on test day



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Saliva sampling

Markers of interest

→ Stress markers: cortisol, CgA, IgA, CRP

(Beerda et al., 1998 ; Kanai et al., 2008 ; Kikkawa et al., 2003 ; Parra et al., 2005)

→ Evaluation assays: CRP excluded

Selection collection method

Preparation

Pre-tests

Adaptation

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Saliva sampling



Selection collection method

- Volume: synthetic > cotton bud > cotton swab
- Owner: cotton bud > synthetic > cotton swab
- Possible influence cotton

(Kidd et al., 2009; Gröschl et al., 2008; Shirtcliff et al., 2001)



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Cardiac measurements

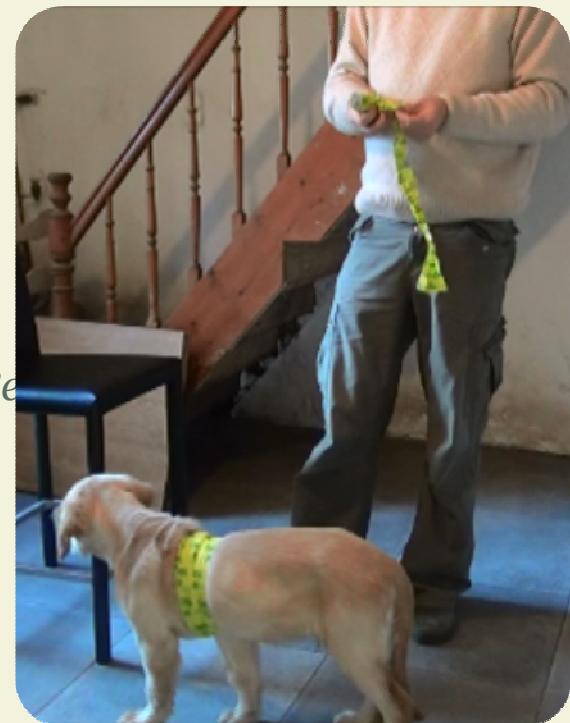
Variables assessed

- Heart rate
- Heart rate variability

(Maros et al., 2008; Vincent and Michell, 1996; Be

Standardisation

- Elastic chest strap
- Habituation before test





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Cardiac measurements

Variables assessed

- Heart rate
- Heart rate variability

(Maros et al., 2008; Vincent and Michell, 1996; Bergamasco et al., 2010)

Improve measurement

- ECG gel
- Registration interval: 1 sec



Evaluation vets (questionnaire)

Based on:

- 2 Master studies
- Behaviour veterinary clinic

(Döring et al., 2009; Godbout et al., 2007)





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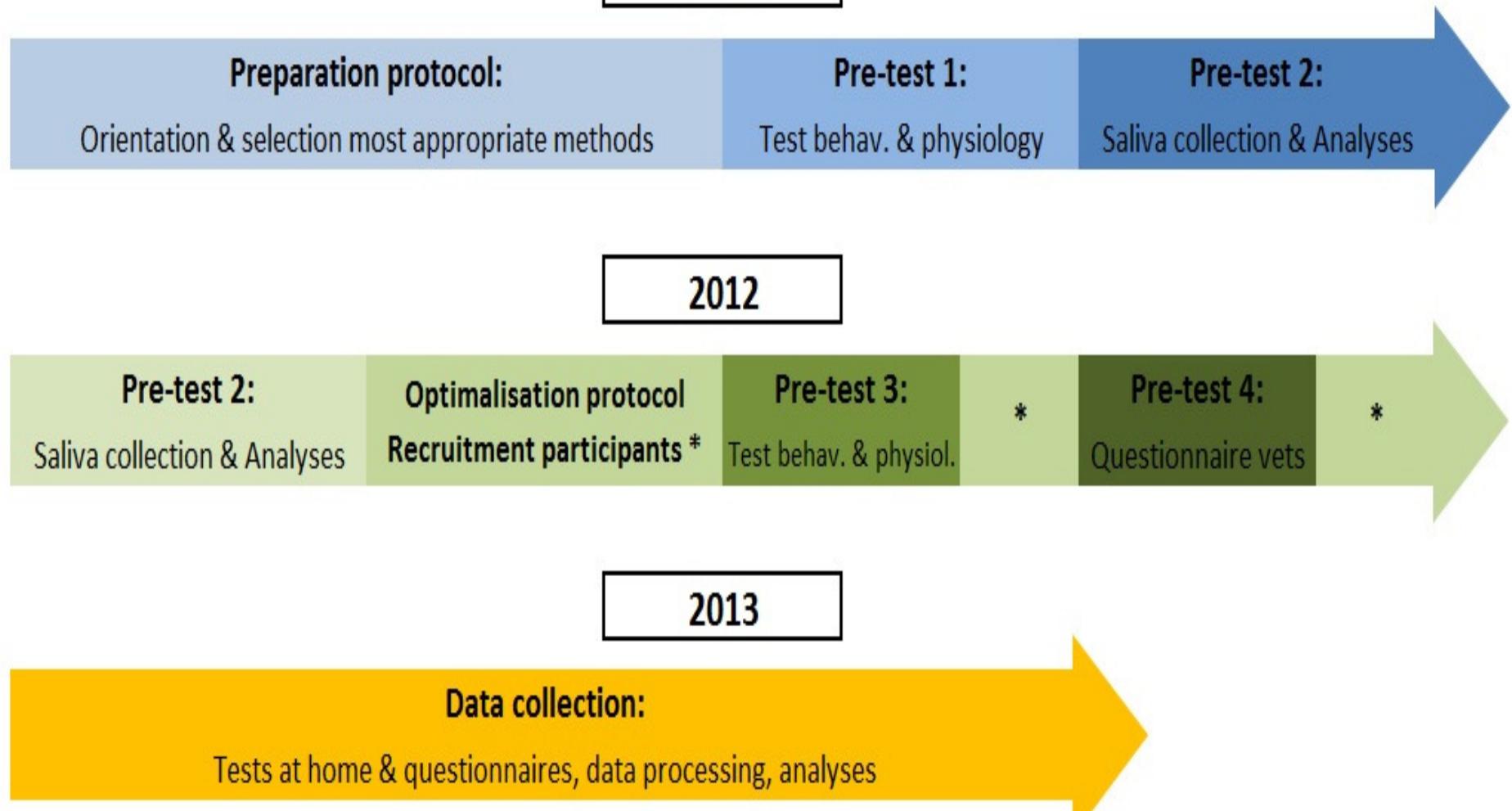
Evaluation vets (questionnaire)

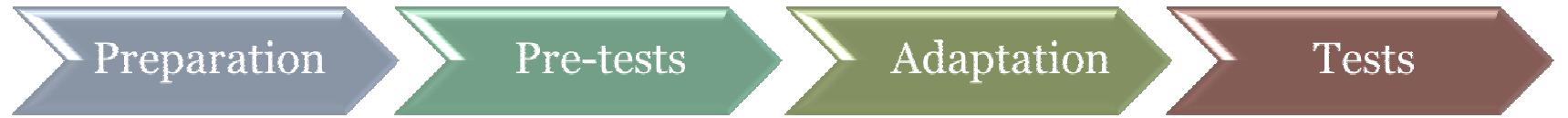
Evaluation 4 standardized videos:

- 39 veterinarians
- 5-point scale: low agreement
- 3-point scale: higher agreement (9/10 questions)

Adaptations:

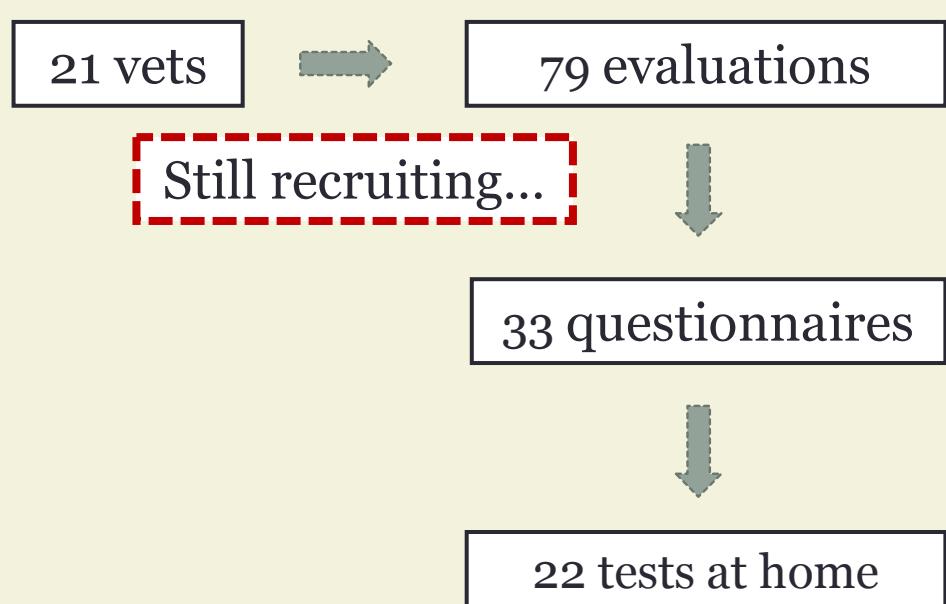
- Scale reduced 5 → 3
- Difficult questions removed
- Clear explanation behaviour





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Current situation



www.fre digitalphotos.net
Vlado

Acknowledgements



Participating vets & owners

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