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Field trials Egyptian goose



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 RINSE workshop
 Destelbergen
 Belgium 03/07/2013



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 RATTENBESTRIJDING OOST-VLAANDEREN



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 ONDERZOEK & ADVIES IN LAND- & TUINBOUW



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 Non-native Species in Europe
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The Egyptian goose (*Alopochen aegyptiacus*)

- African shelduck, introduced in W-Europe
- Expanding rapidly






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Management options

- Shooting
 - Data insufficiënt
- Nest control
 - No replacement nests
 - Nests hard to find and reach
- Trapping
 - Moulting trapping → not possible



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Management options

- Trapping
 - At feeding sites → could work, needs further testing



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Management options

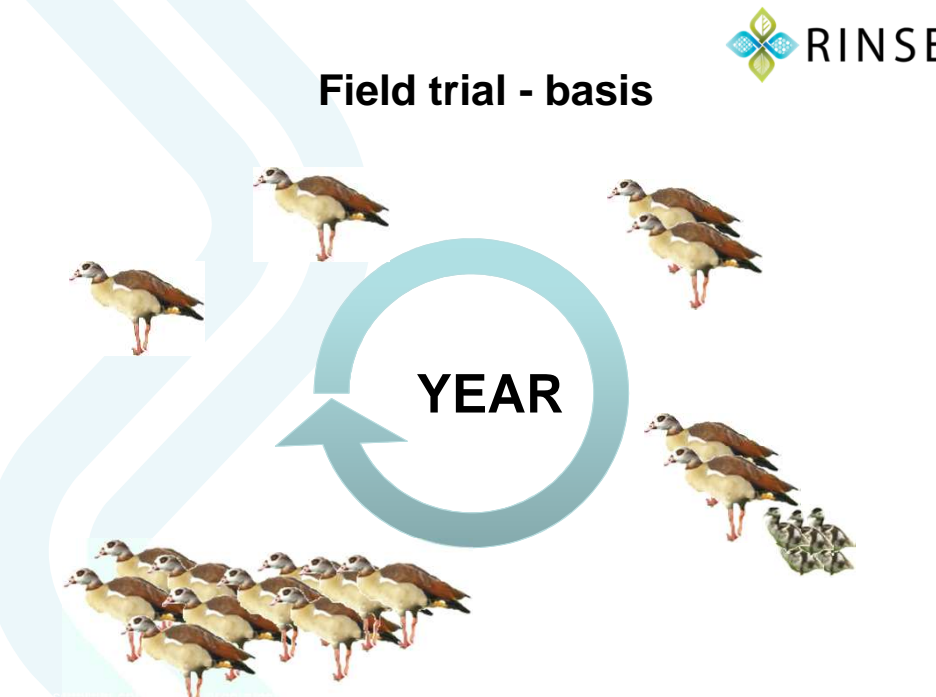
- Trapping
 - Walk-in trap with decoy birdsWorks, how can efficiency and efficacy be maximised



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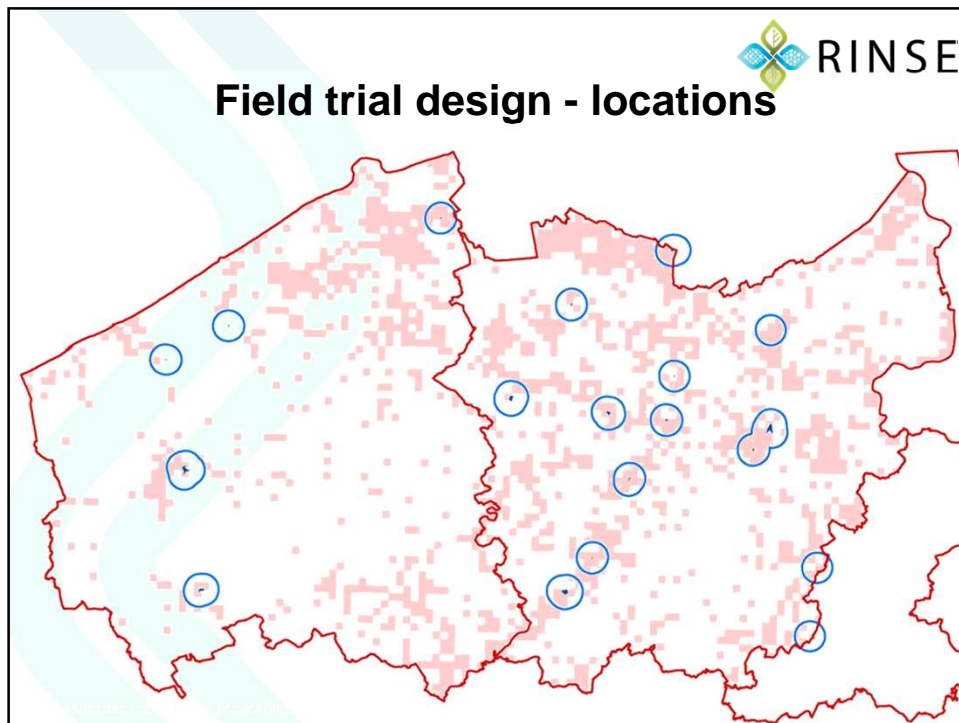
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Field trial - basis



YEAR

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Field trial design - parameters

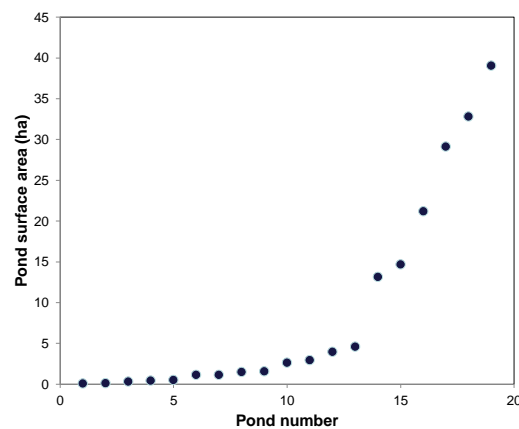
- Hypothesis: Succes differs per month
- How do we define succes?
 - How **fast** can we catch geese at a given location?
parameter: time (days) to first catch
 - How **many** geese can we catch at a given location?
parameter: total number of geese caught

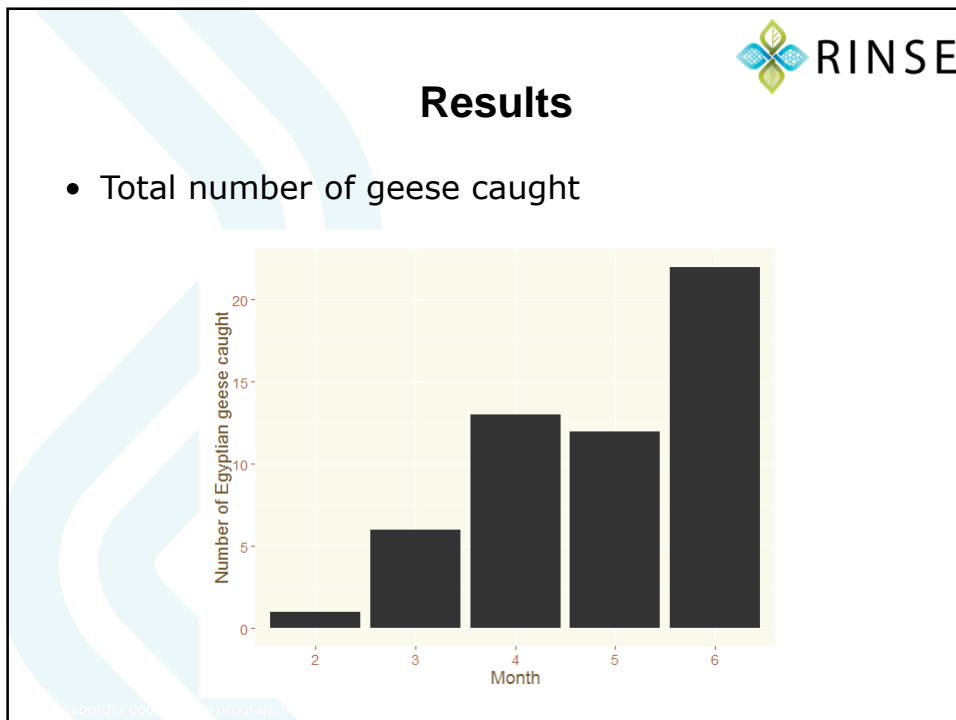
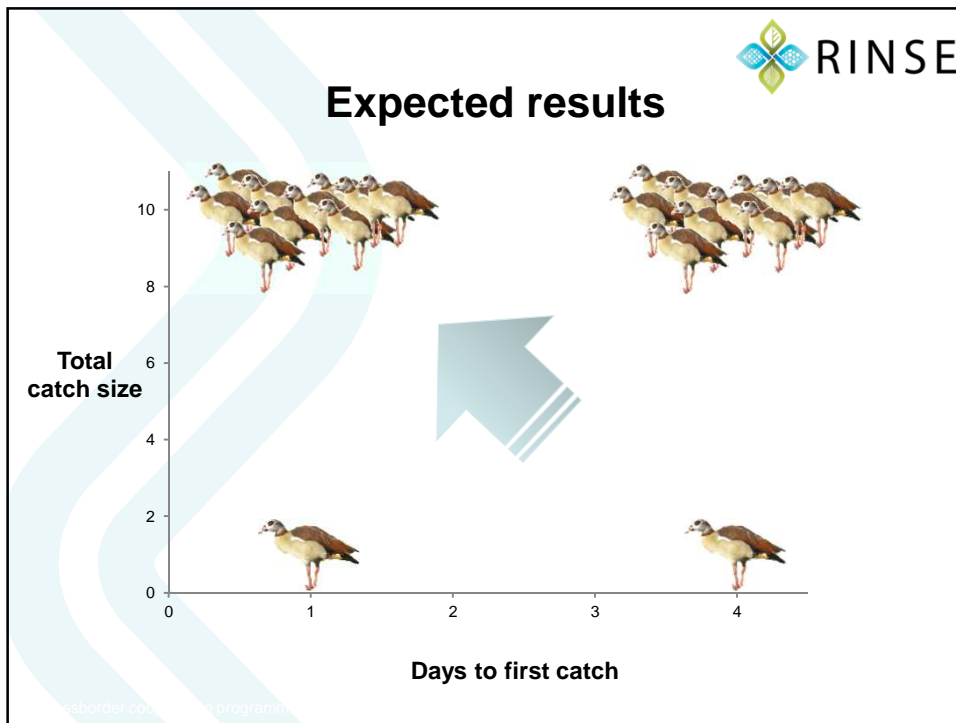
Field trial design - parameters

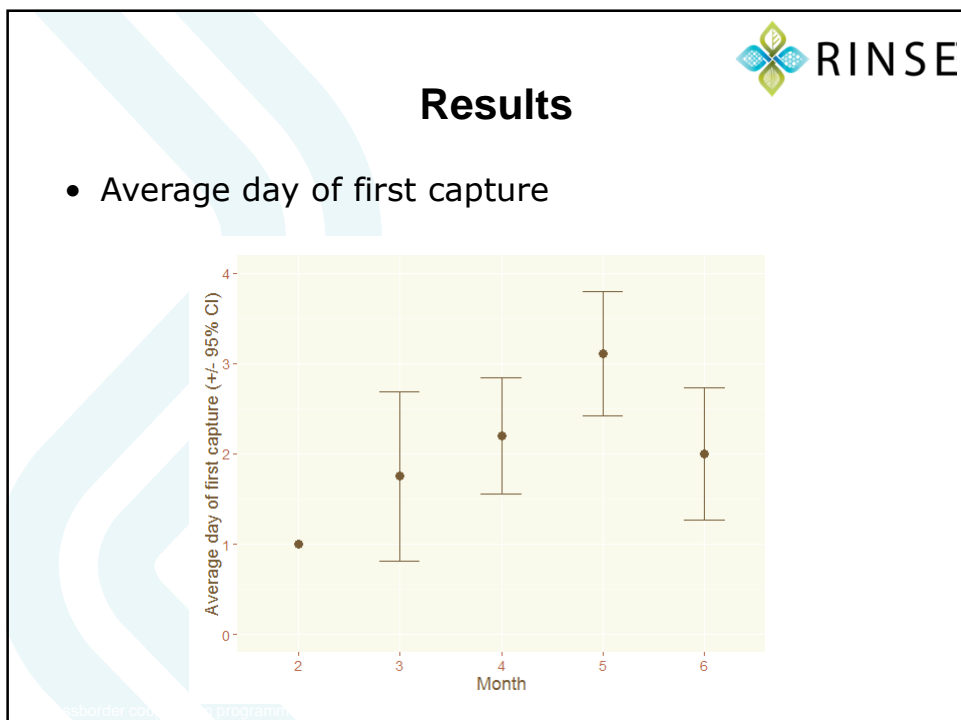
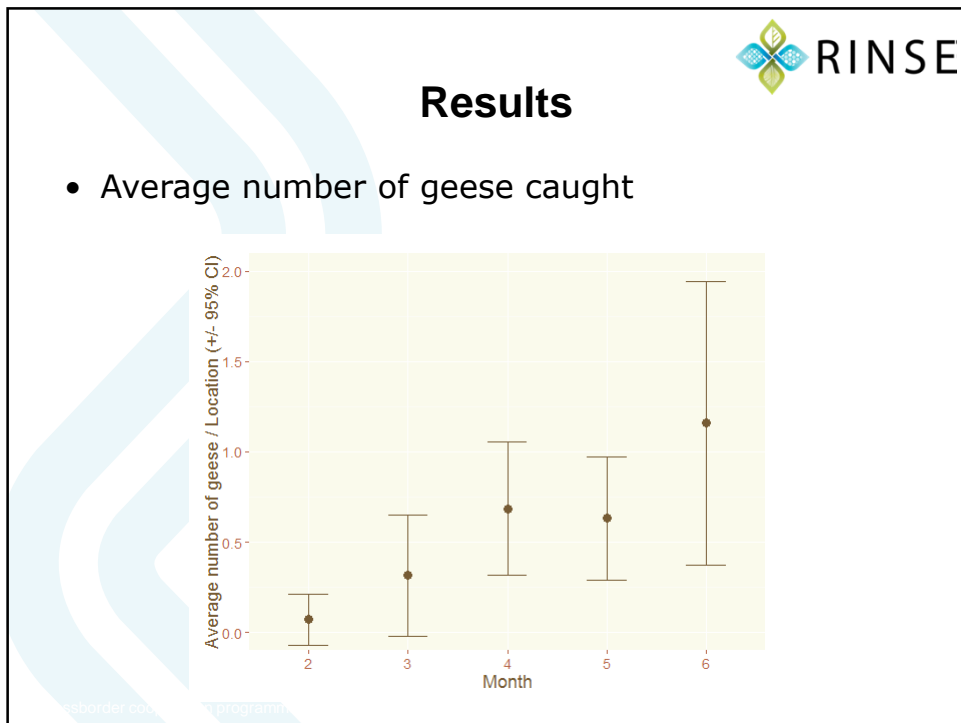
- Random effects:
 - number of geese in the vicinity
 - pond surface area
 - water bodies in the vicinity
 - nearby food availability
 - disturbance
- Sex of the decoy bird

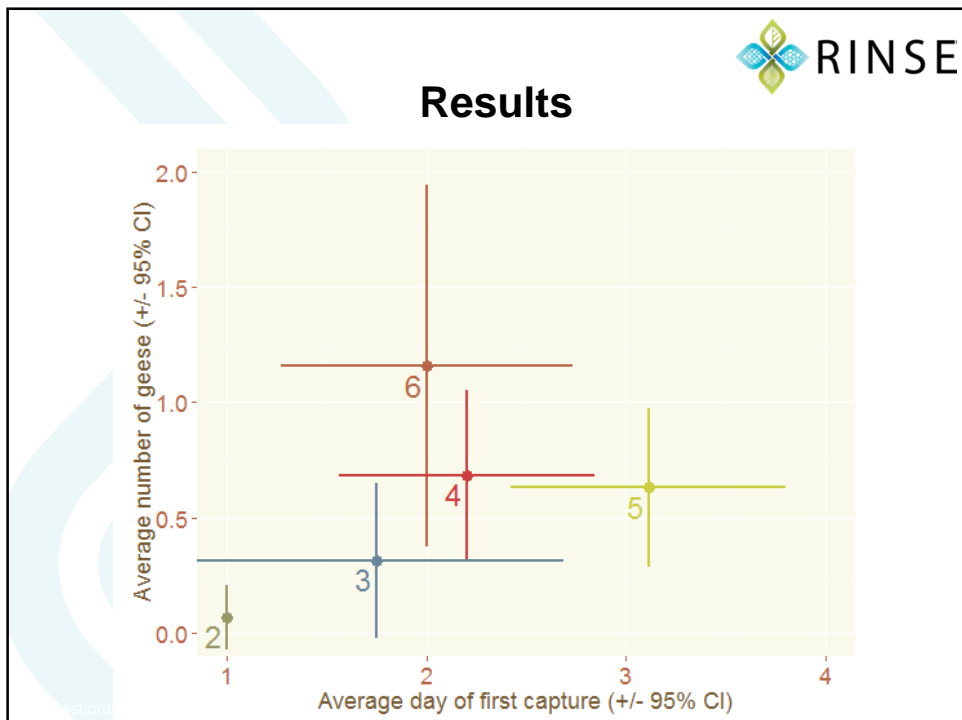
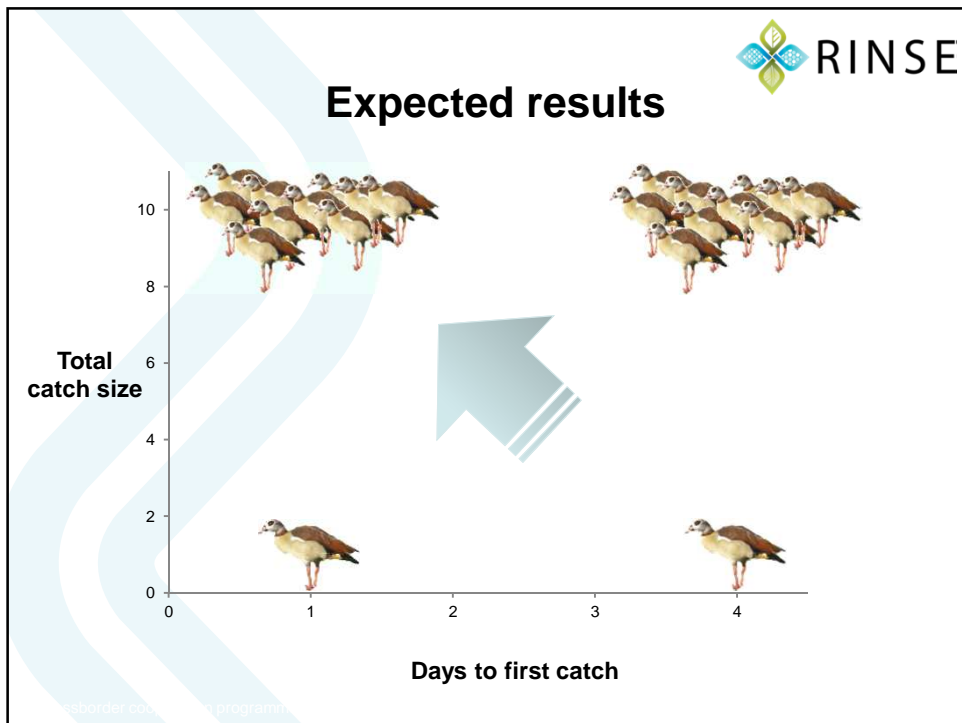
Management options

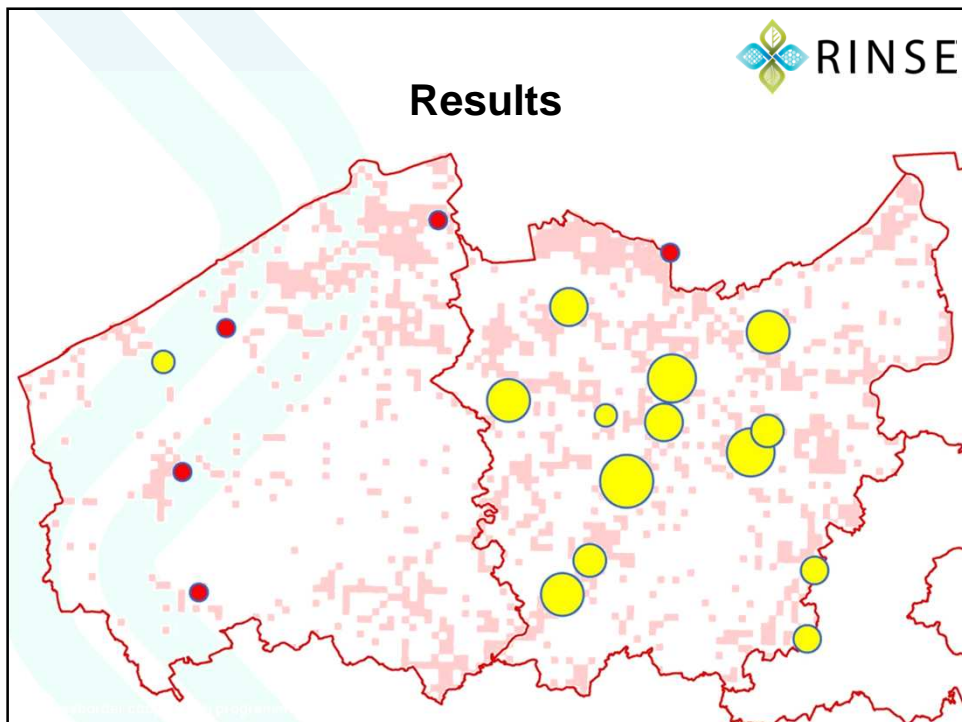
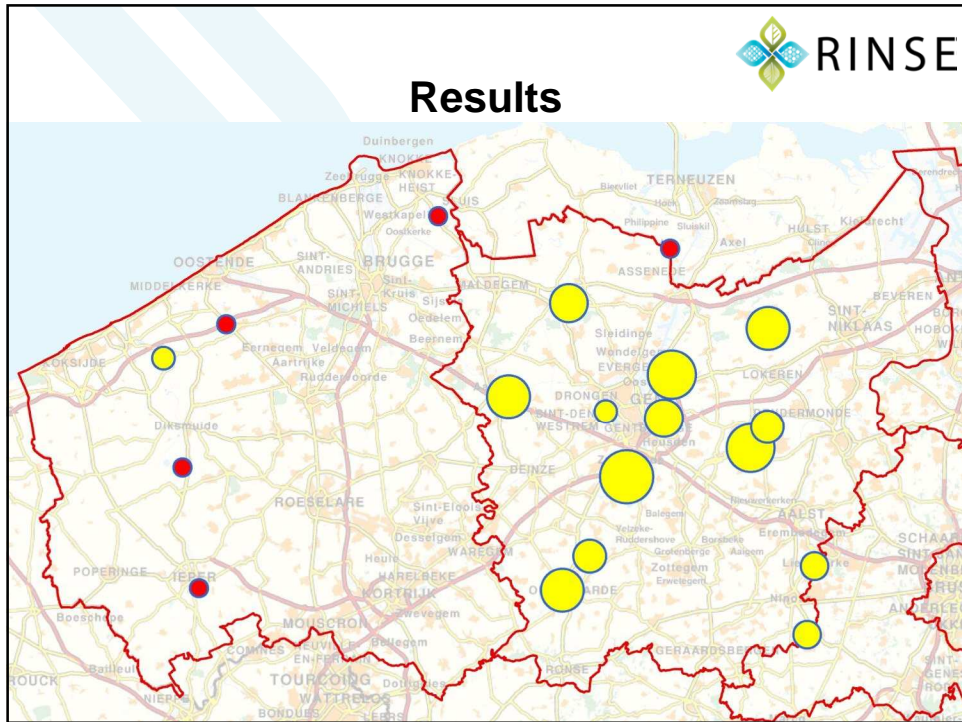
- Random effects → randomisation














To do...

- Continue field trials other capture methods
- Continue standardised capture trials until 01/2014
- In depth analysis of results
 - Random effects?
 - Spatial statistics?
- Report and communication

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Thank you!





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