

Management of game species in Flanders

BWDS 25/03/2011

*Wildlife Management Research group
Dept. Management and Sustainable Use*



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- Game ?
- Game management in Flanders
 - Who ?
 - Where ?
 - Types of game management ?
 - When ?
- Responsibilities
 - Crop damage ?
- Game management units
- Current situation game species/ harvest
 - Annual harvest
 - Regional differences

Game species

- Hunting law (1992)
 - Ungulates
 - deer, fallow deer, wild boar, roe deer, moufflon
 - Small game
 - Brown hare, common pheasant, grey partridge, grouse
 - Waterfowl
 - Canada goose, greylag goose , mallard,
 - Other
 - Red fox, woodpigeon, European rabbit, feral domestic cats, mustelids

Who ?

- Hunting license
- Types
 - Annual permit: 150 €
 - Sundays: 105 €
 - Visitor (5d): 40 €
- Exam
 - Theoretical
 - Practical
 - Secure use of weapons
 - Shooting (shotgun, rifle)
 - Organisation IJO

A. Theoretisch Jachtexamen 2008

| | Antwerpen | Gent | Hasselt | Leuven | Totaal |
|---------------|------------------|-------------|----------------|---------------|---------------|
| Ingeschreven | 241 | 250 | 124 | 158 | 773 |
| Deelnemers | 222 | 227 | 112 | 144 | 705 |
| Deelnemings % | 92,1% | 90,8% | 90,3% | 91,1% | 91,2% |
| Geslaagd | 107 | 101 | 63 | 74 | 345 |
| Slaag % | 48,2% | 44,5% | 56,3% | 51,4% | 48,9% |
| Slaag % 2007 | 52,3% | 54,9% | 61,9% | 54,4% | 54,9% |

B. Praktisch Jachtexamen 2008- eerste examenperiode

| | Veilige omgang | Hagelschieten | Kogelschieten | Totaal |
|---------------|-----------------------|----------------------|----------------------|---------------|
| Opgeroepen | 362 | 234 | 195 | 362 |
| Aanwezig | 355 | 234 | 194 | 355 |
| Geslaagd | 234 | 195 | 187 | 185 |
| Niet geslaagd | 11 | 39 | 7 | 60 |
| Uitsluitingen | 110 | 0 | 0 | 110 |
| Slaag % | 65,9% | 83,3% | 96,4% | 52,1% |
| Slaag % 2007 | 65,9% | 76,0% | 94,9% | 46,5% |

2 kandidaten behaalden geen
36/60

C. Praktisch jachtexamen 2008- tweede examenperiode

| | Veilige omgang | Hagelschieten | Kogelschieten | Totaal |
|---------------|-----------------------|----------------------|----------------------|---------------|
| Opgeroepen | 183 | 149 | 128 | 183 |
| Aanwezig | 180 | 149 | 128 | 180 |
| Geslaagd | 149 | 128 | 125 | 122 |
| Niet geslaagd | 16 | 21 | 2 | 39 |
| Uitsluitingen | 15 | 0 | 1 | 16 |
| Slaag % | 82,8% | 85,9% | 97,7% | 67,8% |
| Slaag % 2007 | 83,3% | 91,0% | 95,1% | 70,4% |

3 kandidaten behaalden geen
36/60

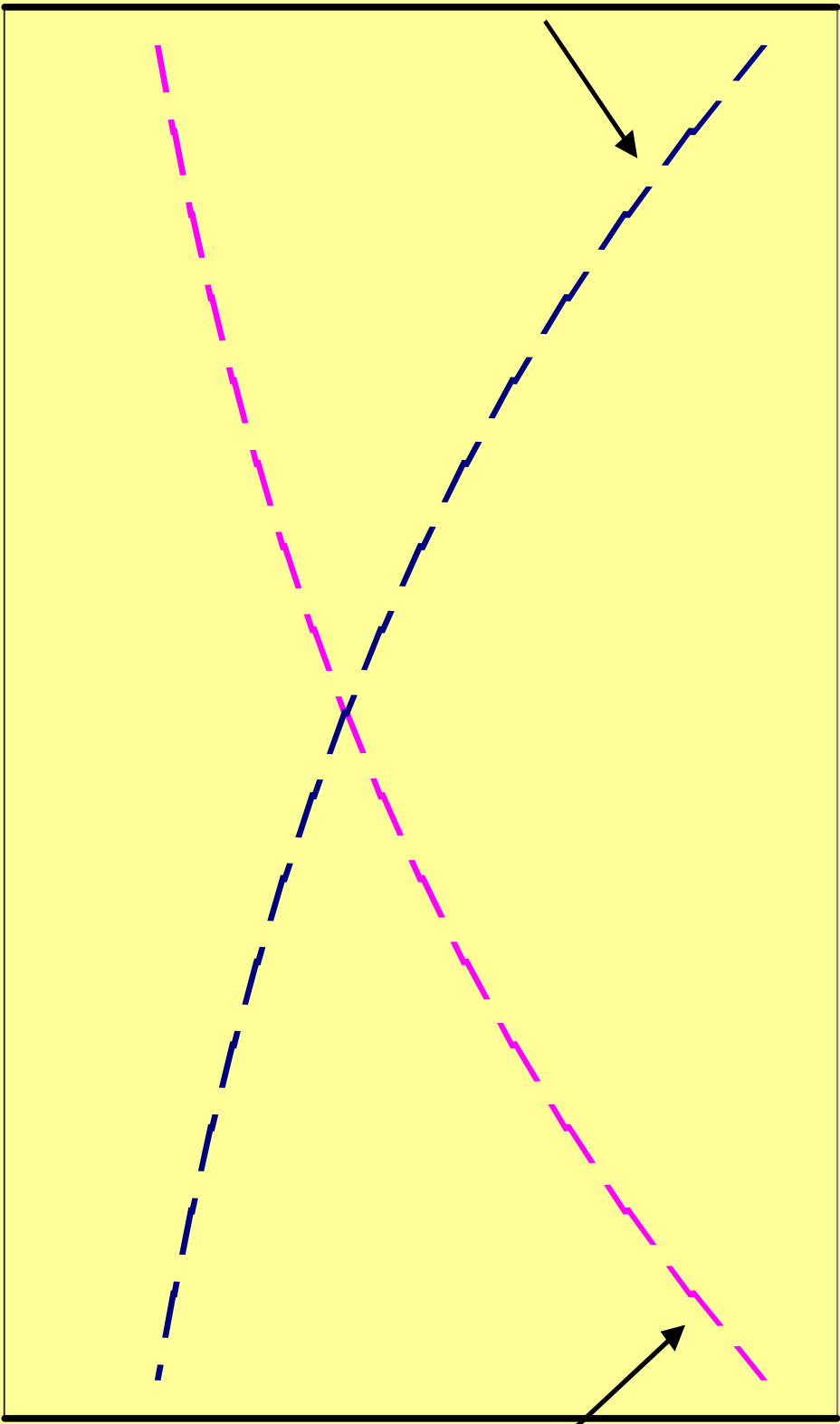
- Hunting rights
 - Landowner
 - Tenant
- Where
 - 40 ha
 - Highways, waterways, railways

- Types
 - Gewone jacht
 - Bijzondere jacht
 - Bestrijding
- When ?
 - Open/closed seasons
 - 5 year revision
 - Open/closed seasons
 - Methods & tools
 - Shooting plans (ungulates)

Responsibilities

Responsibility of government agencies for
consequences of game management

Licence – system

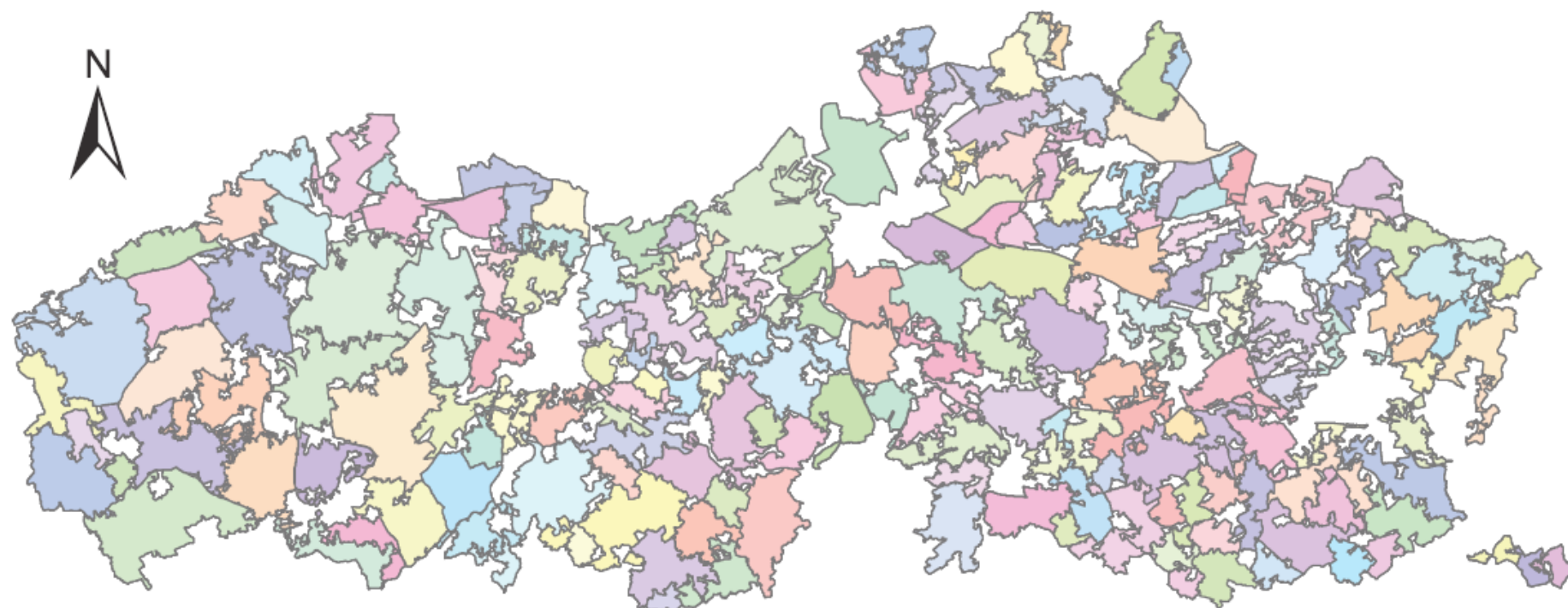


Freedom of decision in game management of
owner of hunting rights/ hunting permit

Landowner – hunting rights

Game management units (GMU)

- Dec 1998
- 5 hunting rights tenants
- Minimal 1000 ha
- At least 75% of hunted area adheres to the GMU
- Compulsory annual report of
 - Game bag
 - Spring population estimates
 - Area the data are referring to
- Common management plan (6 years)
 - General description
 - Annual harvests (last 6 years)
 - Future objectives
 - Measures

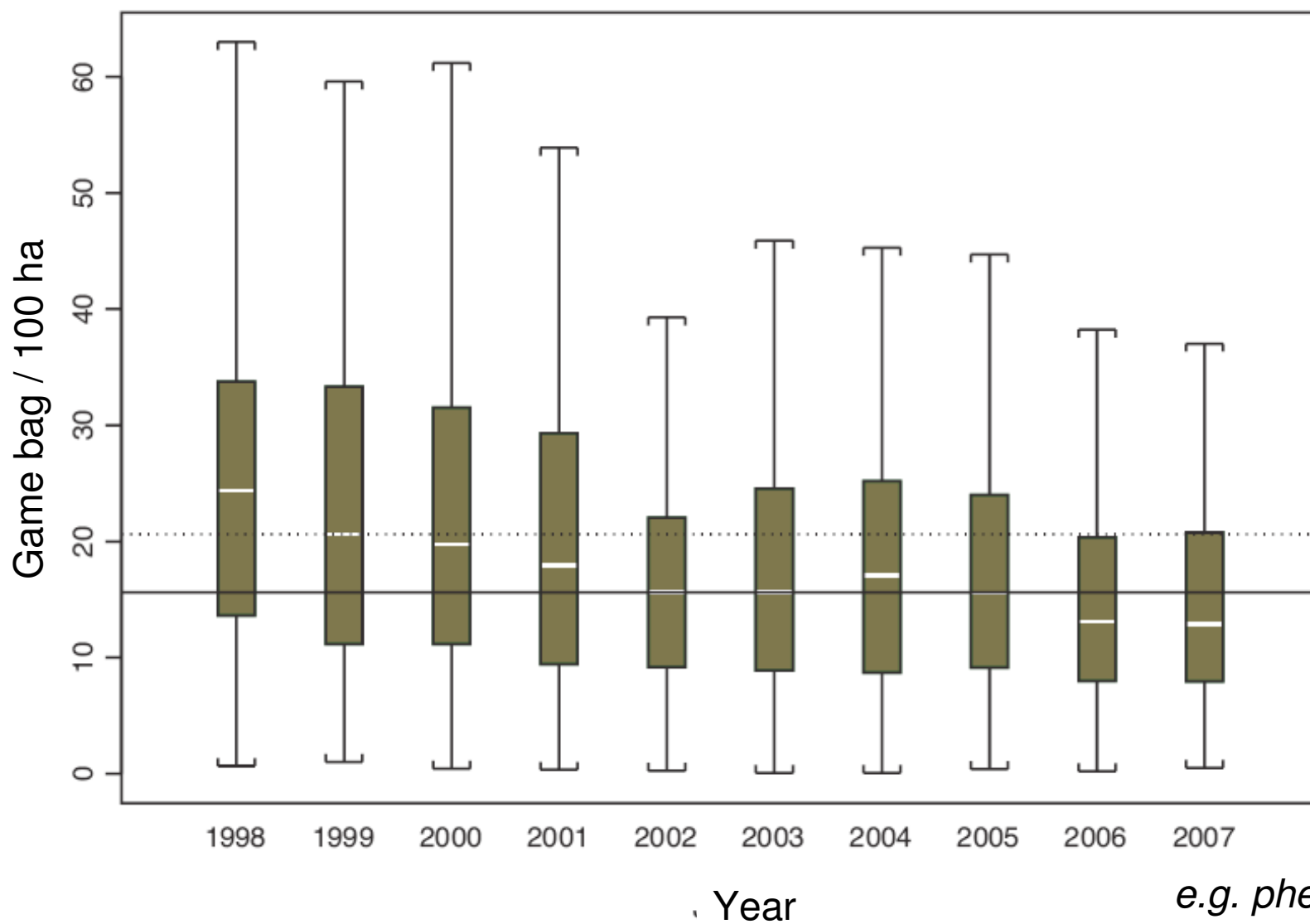


Current situation of game species

– reporting by GMU

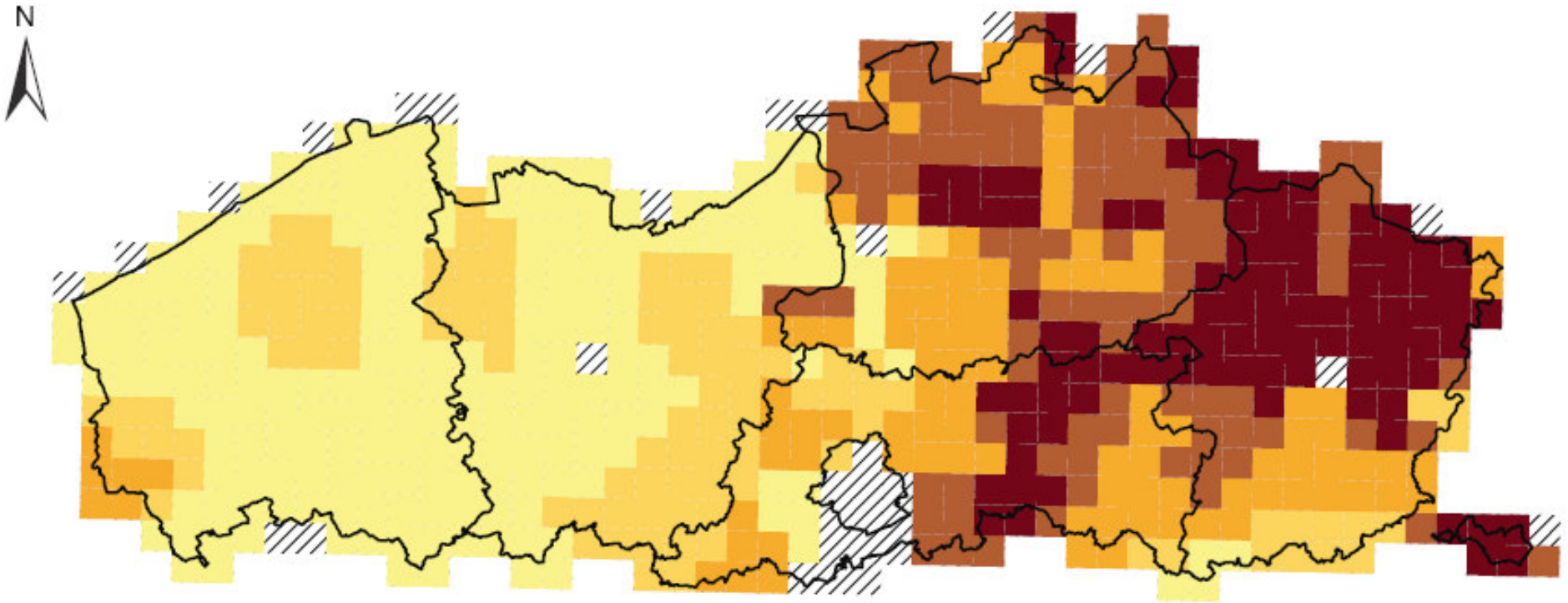
- Annual Game Bag
 - Number of animals shot or killed (incl. regulation and control)
 - Age classes
 - Sex classes
 - Area for which data were reported (not necessarily the area of the GMU)
- Spring population estimates
 - Estimated number of animals per species
 - Age classes
 - Sex classes
 - Area for which data were reported (not necessarily the area of the GMU)

*Variation in game bag/100 ha and
its evolution over the years*



Mean game bag/ 100 ha ~ 10 years

0 25 50 100
Kilometer



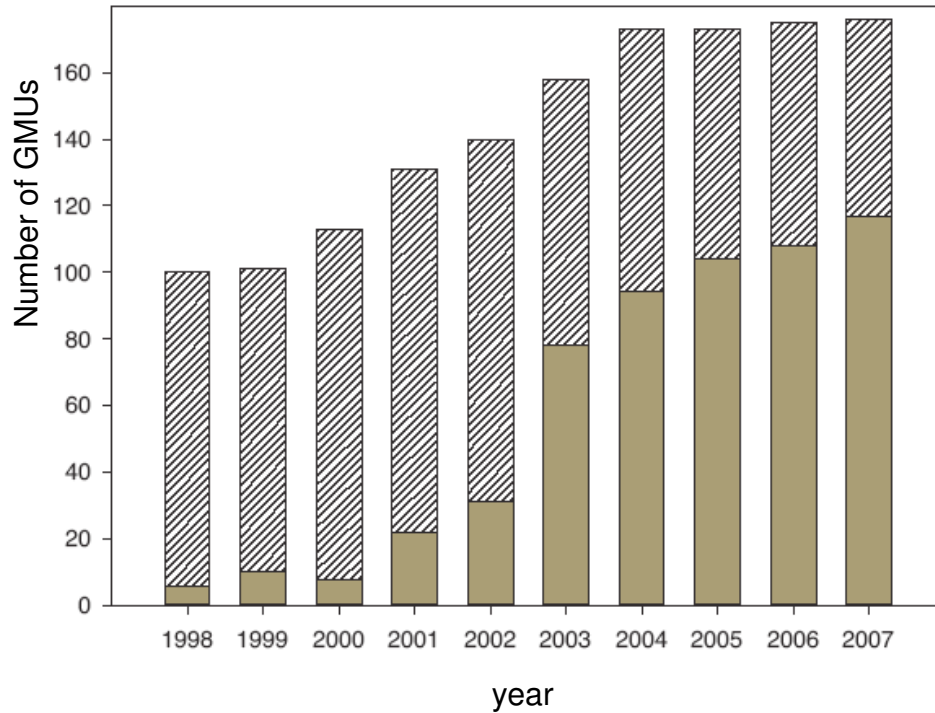
Legende



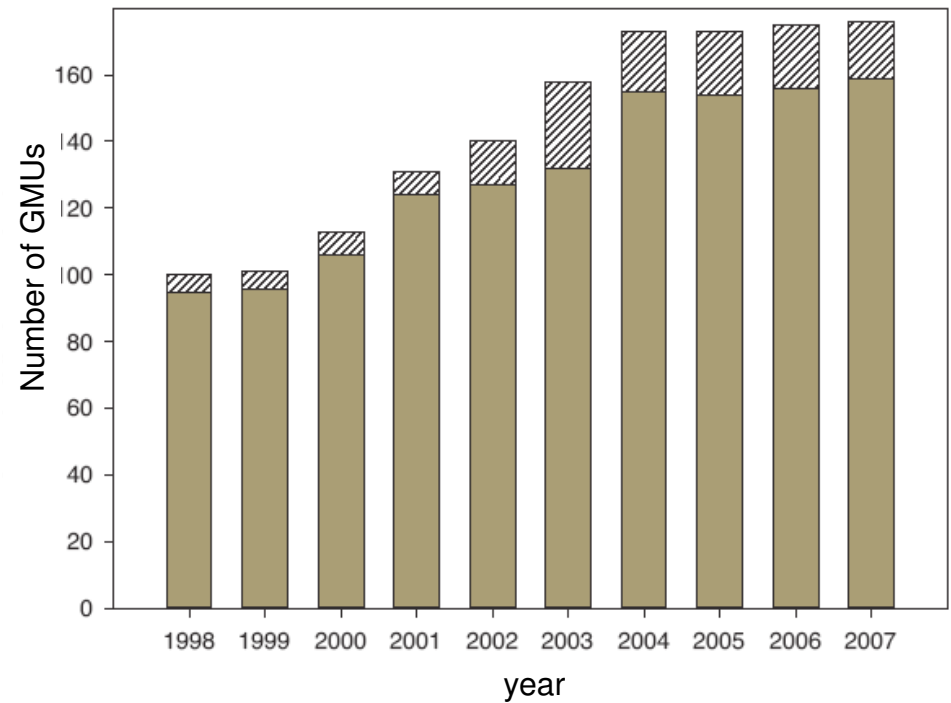
e.g. roe deer

Changes in number of GMUs hunting or controlling a species

eg. Canada goose

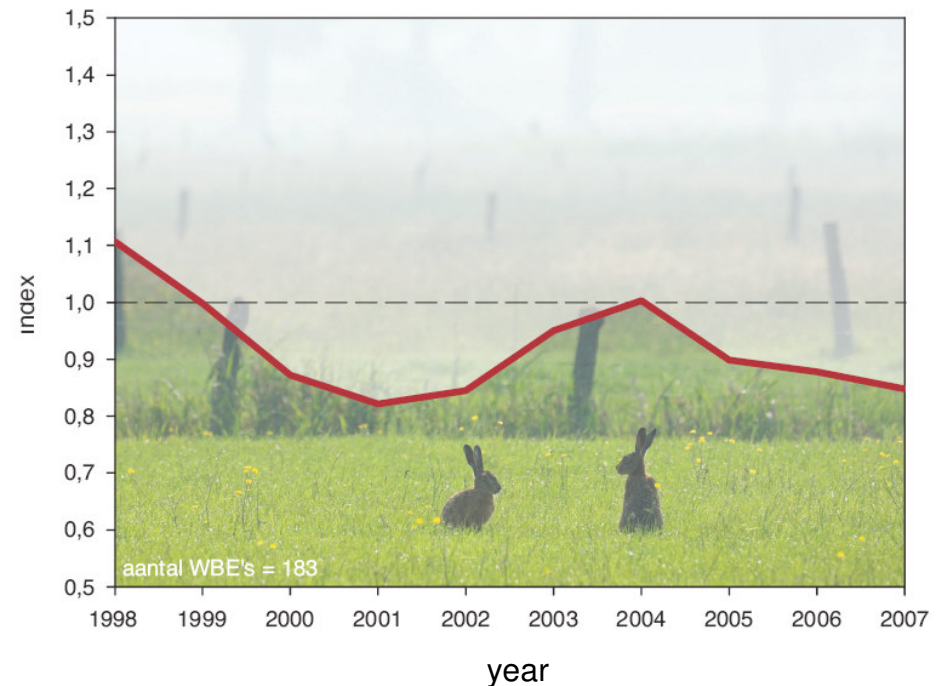
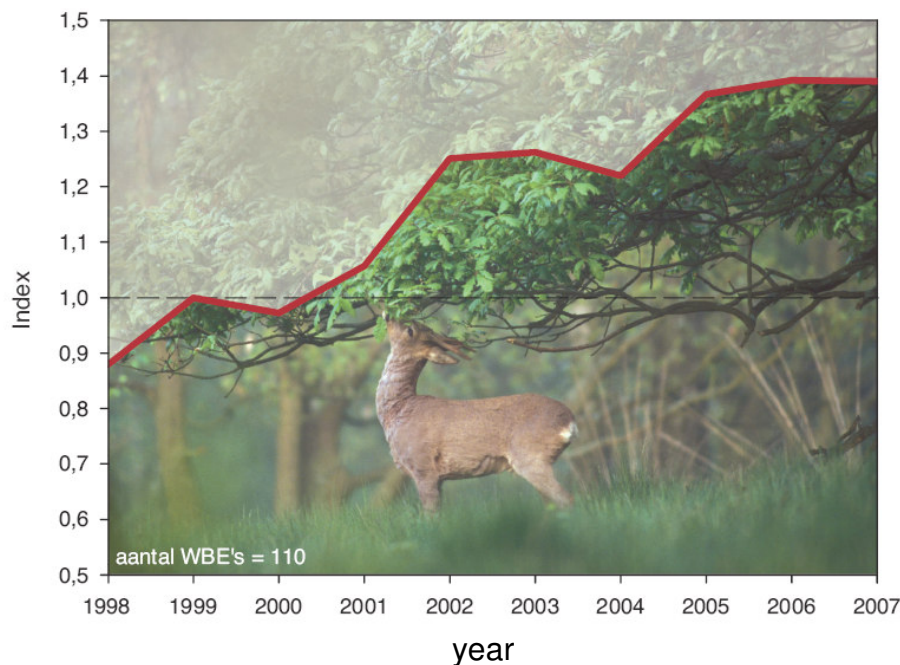


eg. grey partridge

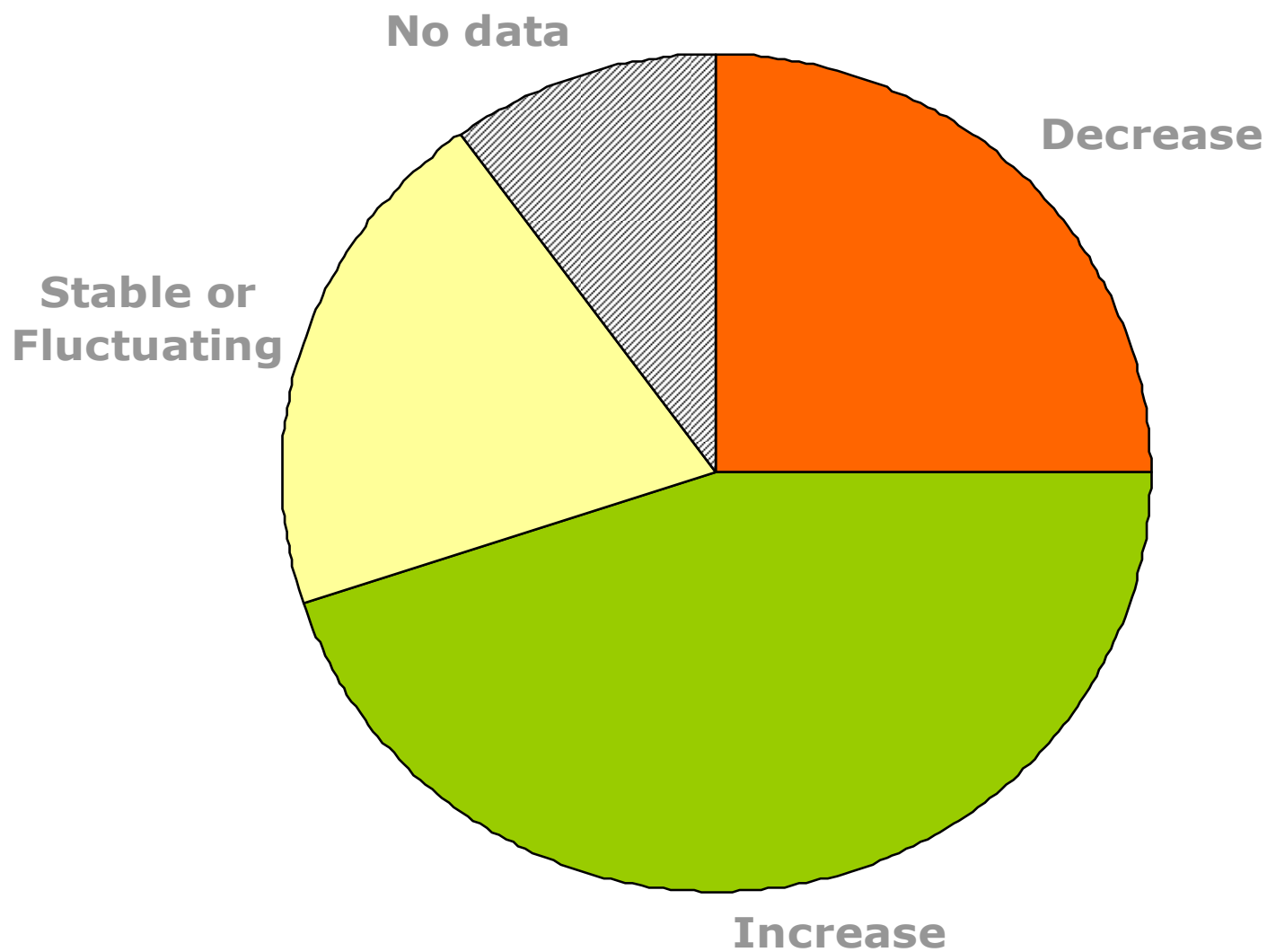


Evolution in game bag per species

- GLM (using TRIM)
- Data: total bag per GMU
(corrected for fluctuations in reported area of the GMU)
- Using provinces as co-var. when sufficient data

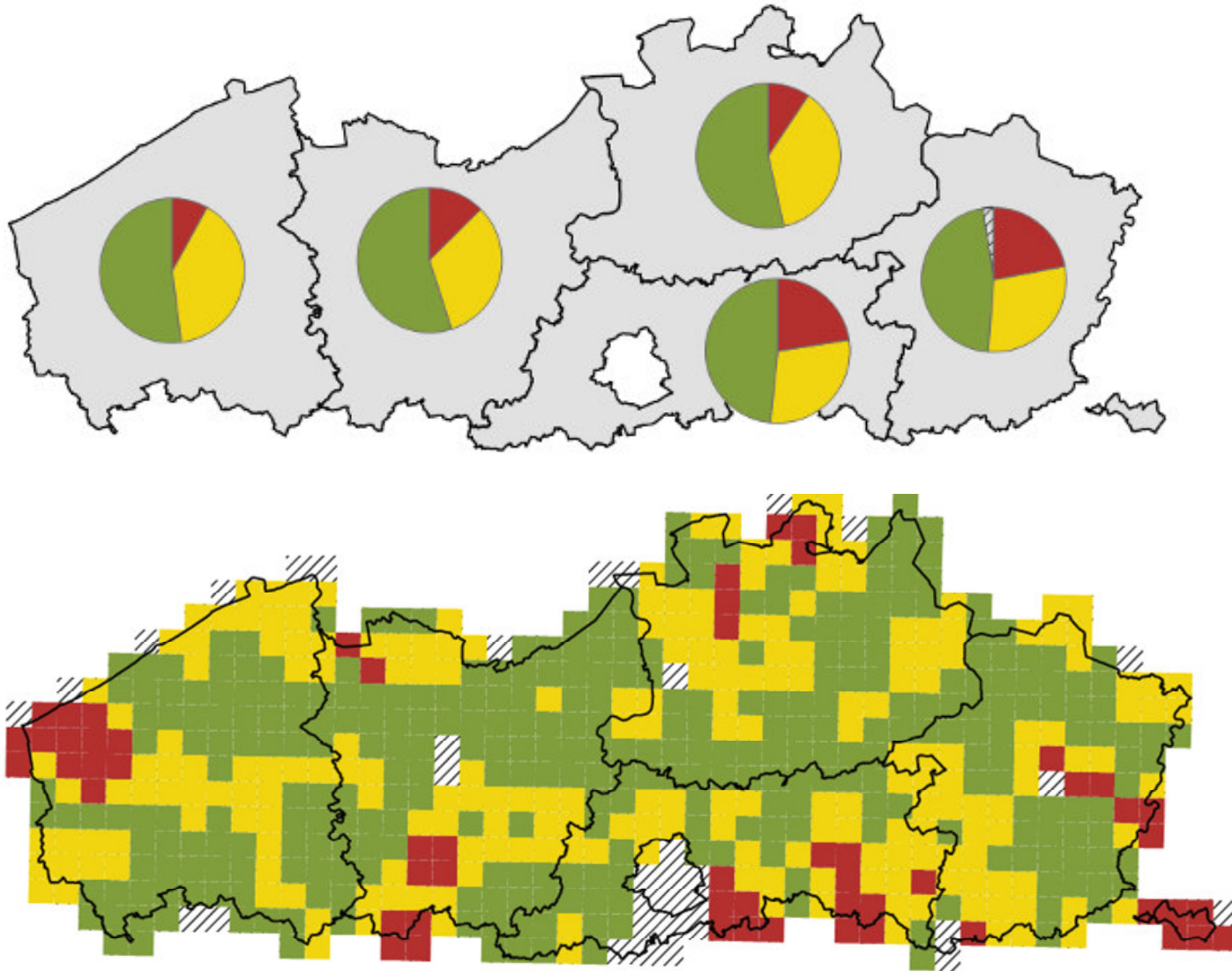


Variation in trends and geographical distribution

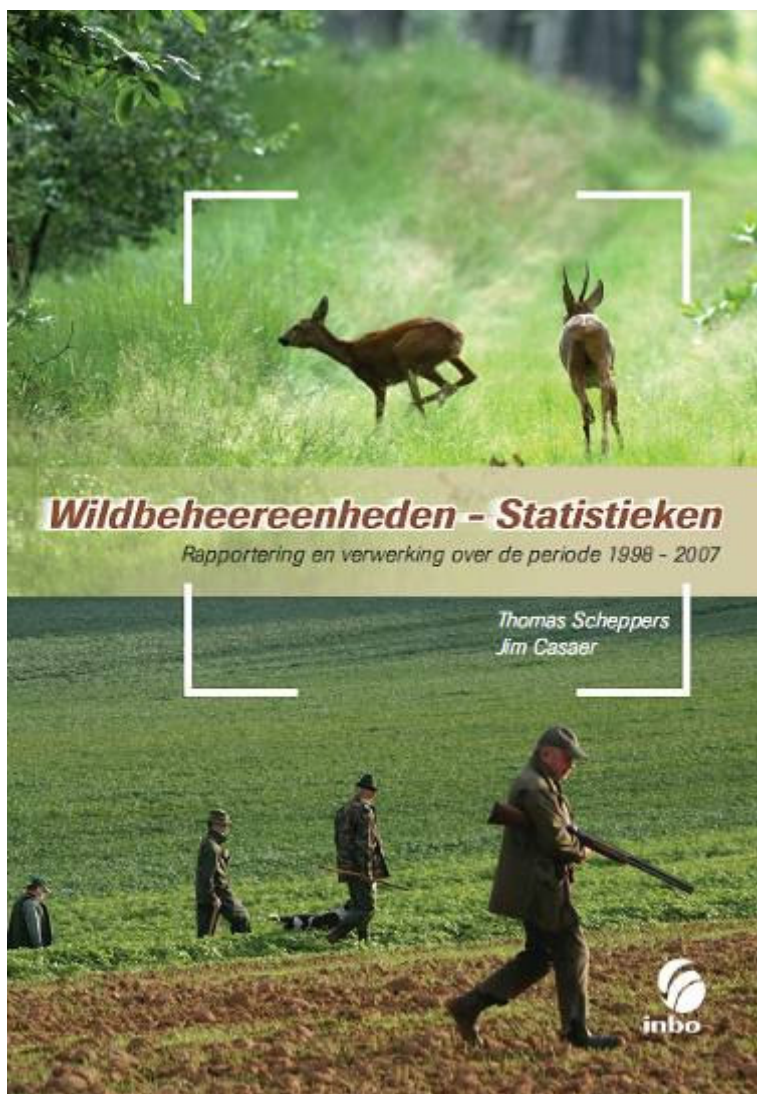


N = 183

Variation in trends and geographical distribution



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Summarizing information

