

# SCIENTIFIC RESEARCH FOR SUSTAINABLE HUNT OF WOODCOCK (*Scolopax rusticola*) IN ITALY

Data collection from hunters

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environment”

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Pravets 24-04-15

# ENVELOPE FOR THE COLLECTION OF WINGS

con il patrocinio

**ISPRA**  
Istituto Superiore Protezione  
Ricerca Ambientale

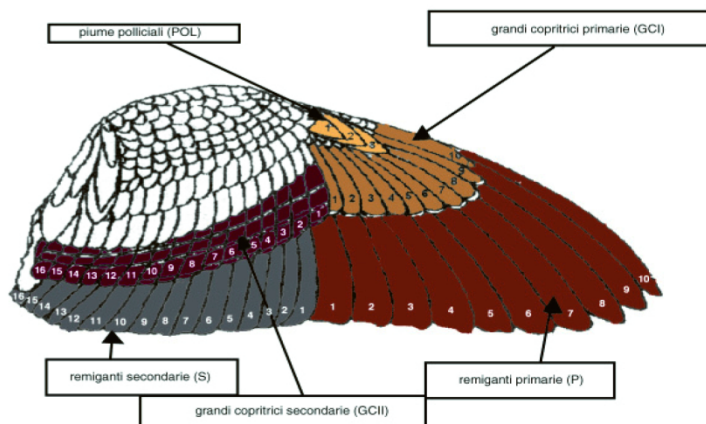


**ALI D'ITALIA**  
STUDIO E MONITORAGGIO  
DELLA SPECIE BECCACCIA *SCOLOPAX RUSTICOLA*  
TRANSITANTE E SVERNANTE IN ITALIA



BECCACCIAI D'ITALIA

## RACCOLTA DELL'ALA DESTRA DELLA BECCACCIA LETTURA DEL PIUMAGGIO ALARE PER LA DETERMINAZIONE DELL'ETA' DELLA BECCACCIA (metodo Boidot)



Uccello n° ..... Data di prelievo: ..... Peso (gr):

Regione: ..... Provincia: .....

Comune: ..... Sesso:  M  F



Prelevare l'ala destra tagliandola in corrispondenza dell'omero



Lasciarla seccare aperta, con un'apertura di circa 130/160°, aiutandosi con degli spilli su di una superficie di legno/polistirolo/cartone. Dopo circa 10 giorni è pronta per essere inviata



Introdurla in questa busta (una busta per ciascuna ala) inviandola all'indirizzo sopra indicato

Inviare a:

STAGIONE VENATORIA  2014/15  2015/16  2016/17

Nome: .....

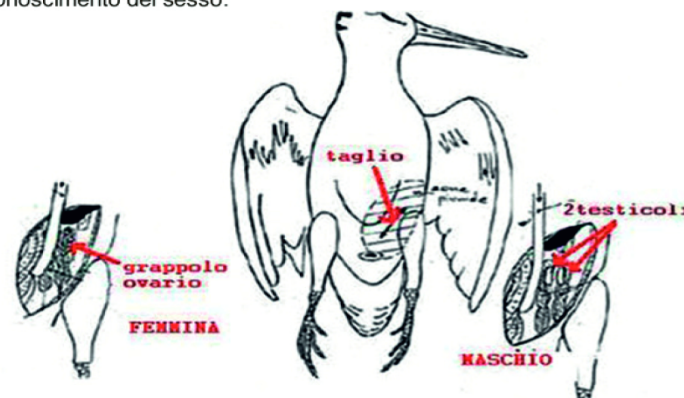
Cognome: .....

Indirizzo: .....

ATC: .....

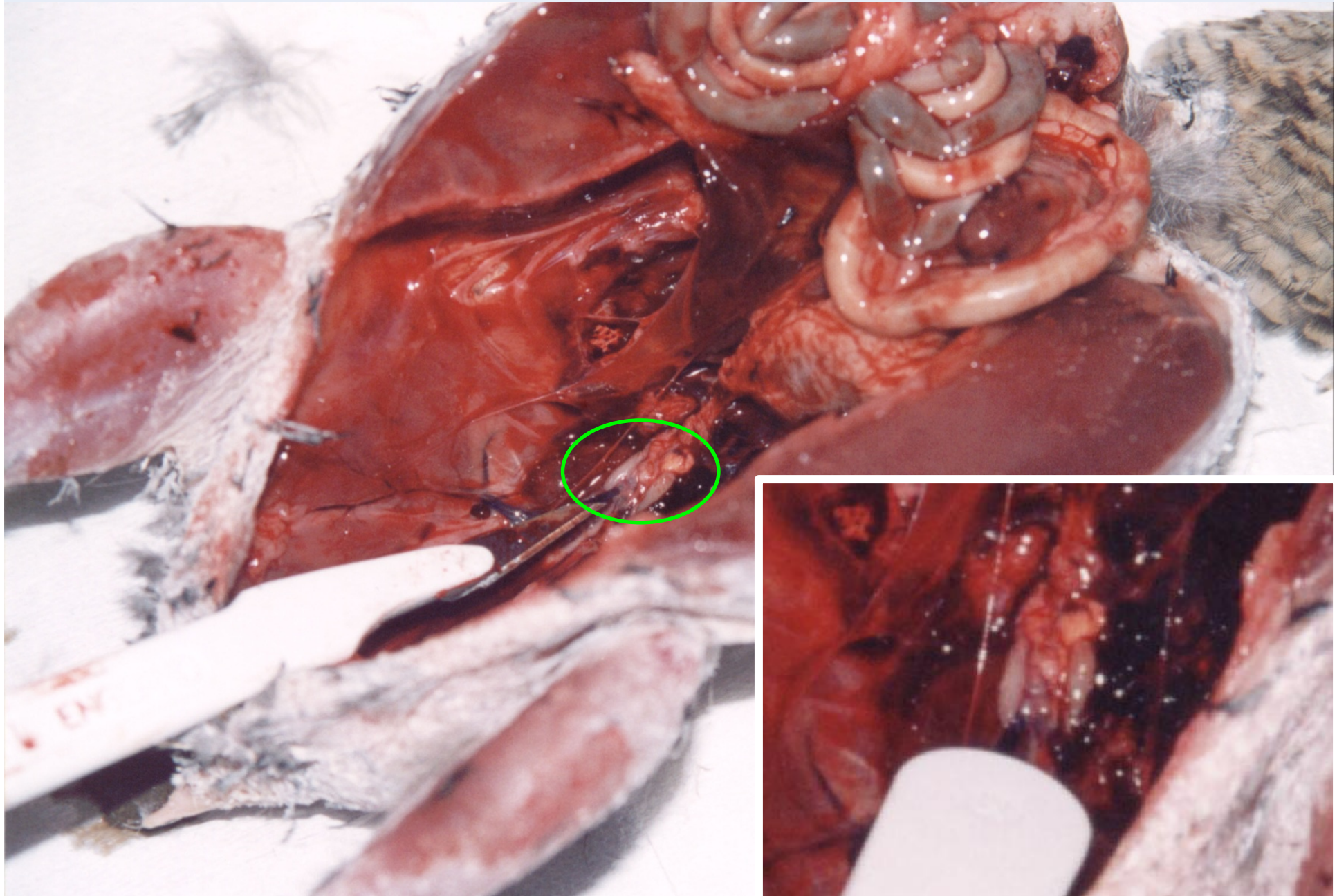
indicazioni e commenti:

Per il riconoscimento del sesso:



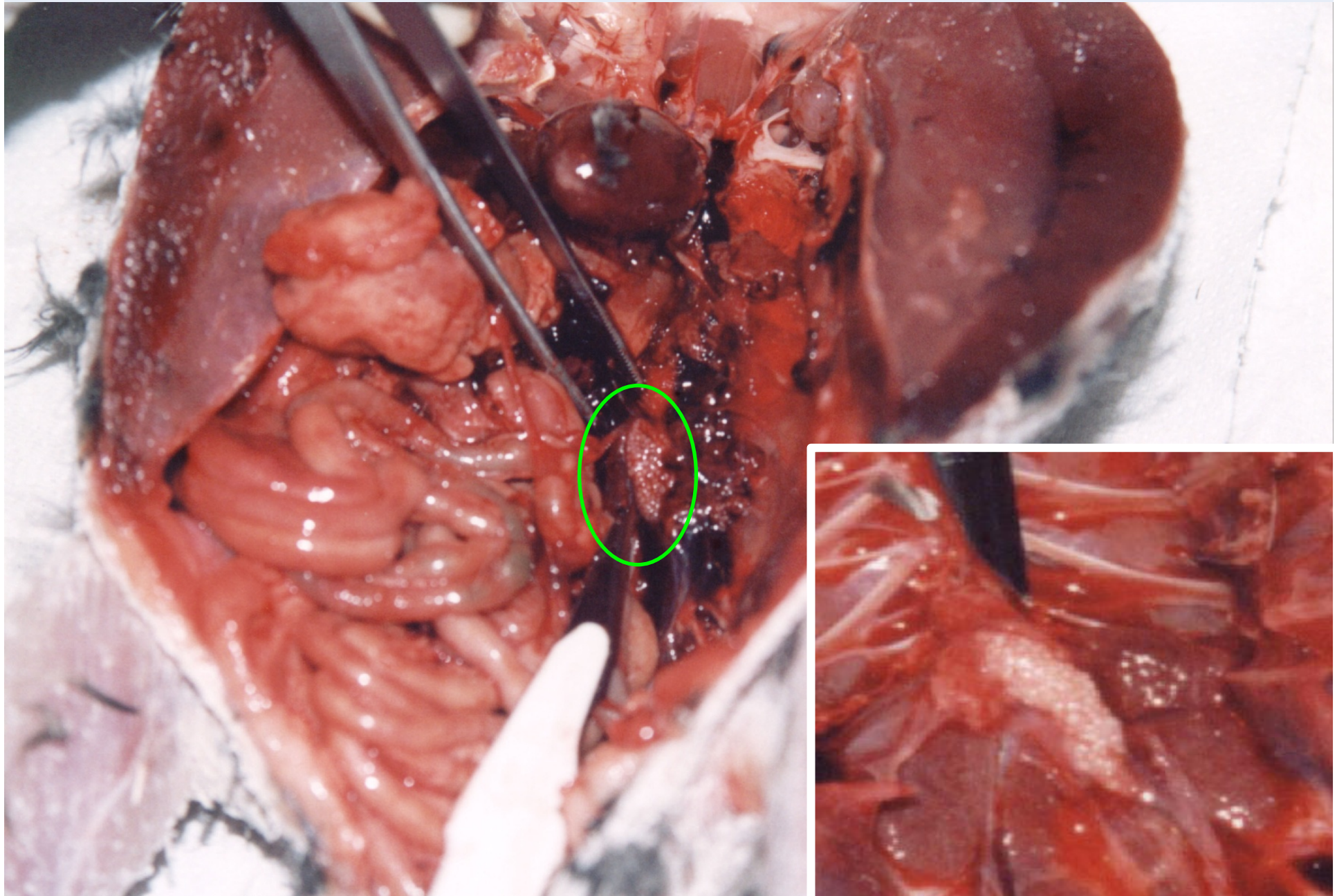


# SEX RATIO: MALE



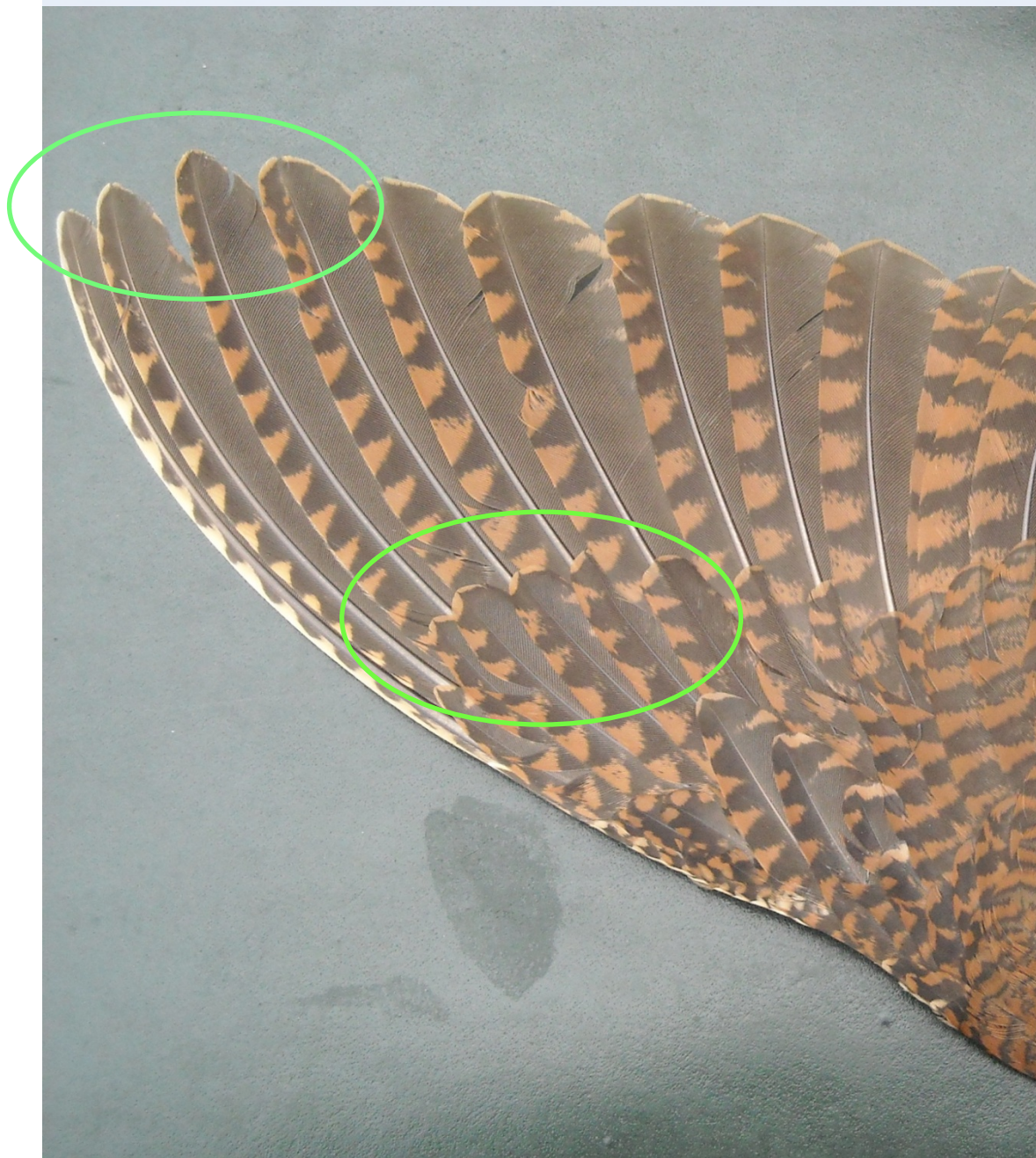


# SEX RATIO: FEMALE



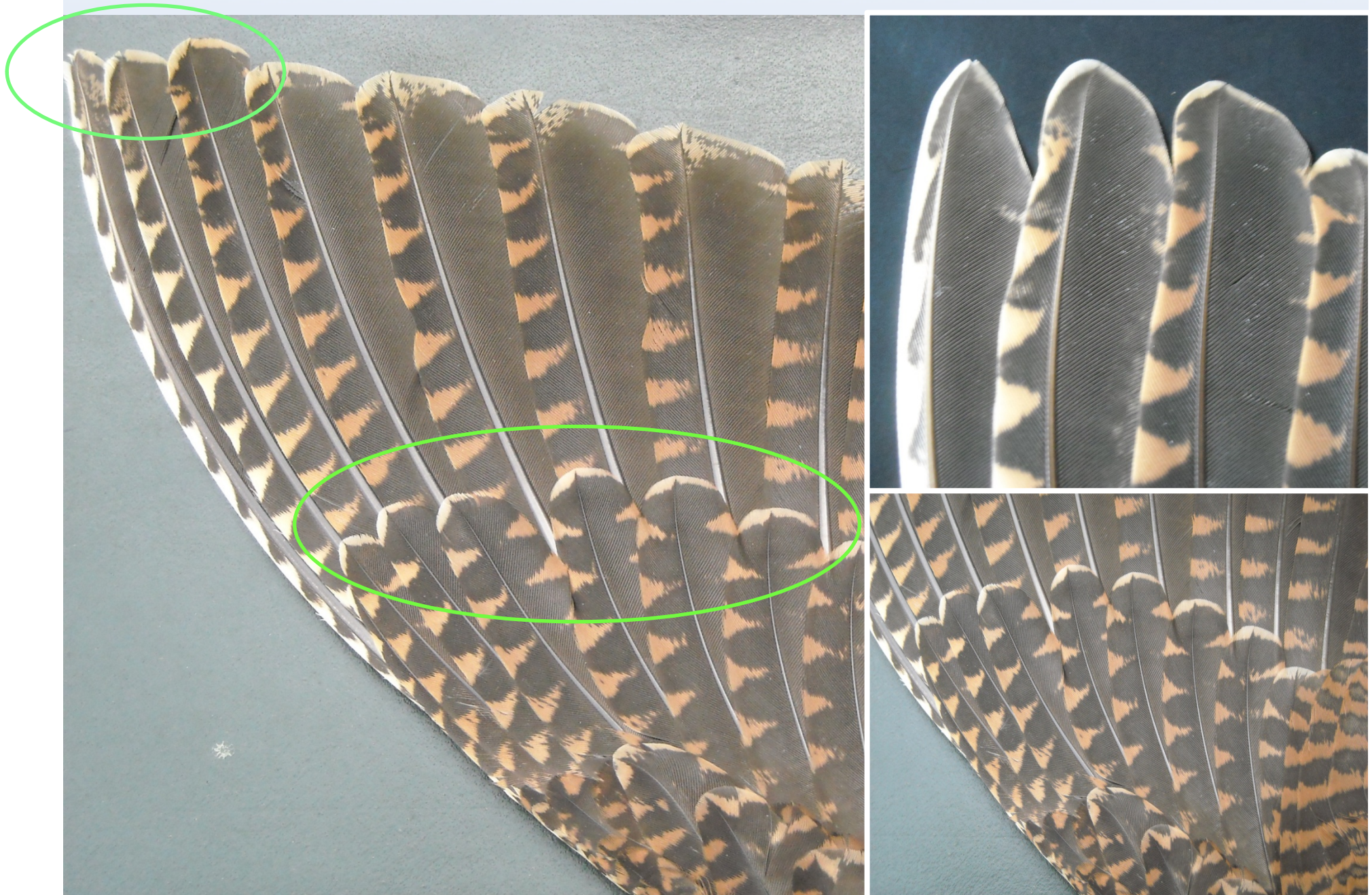


# AGE RATIO: YOUNG





# AGE RATIO: ADULT





# HUNTING SEASON 2011-12

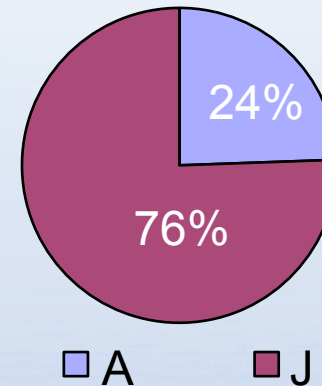
Total wings collected:  
**1772**

Number of participants: 300

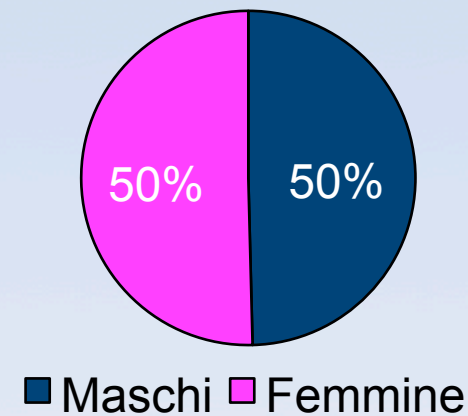
	A	J	Tot
Males	70	236	306
Females	73	238	311
No sex	290	865	1155
Total	433	1339	1772

Mean weight: **303,4 g**

Age ratio



Sex ratio



# HUNTING SEASON 2012-13

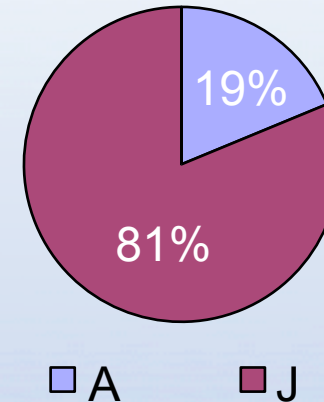
Total wings collected:  
**3427**

Number of participants: 350

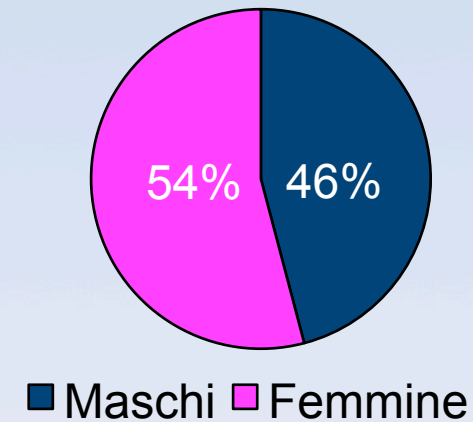
	A	J	Tot
Males	101	452	553
Females	122	530	652
No sex	420	1802	2222
Total	643	2784	3427

Mean weight: **304 g**

Age ratio



Sex ratio





# HUNTING SEASON 2013-14

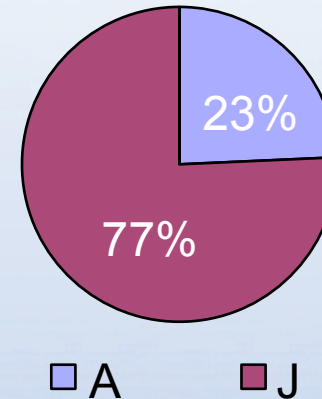
Total wings collected:  
**4072**

Number of participants: 650

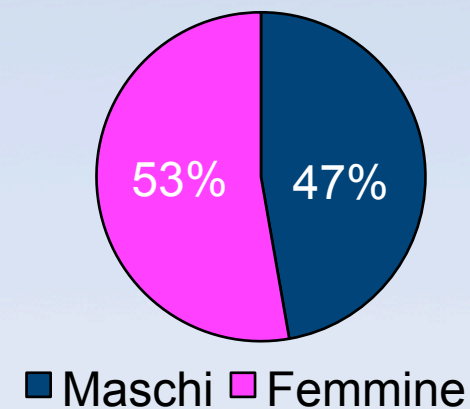
	A	J	Tot
Males	192	597	789
Females	214	667	881
No sex	583	1819	2402
<b>Total</b>	<b>989</b>	<b>3083</b>	<b>4072</b>

Mean weight: **308,6 g**

Age ratio



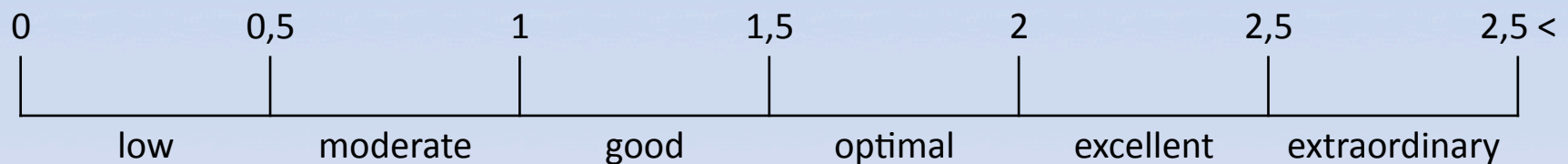
Sex ratio







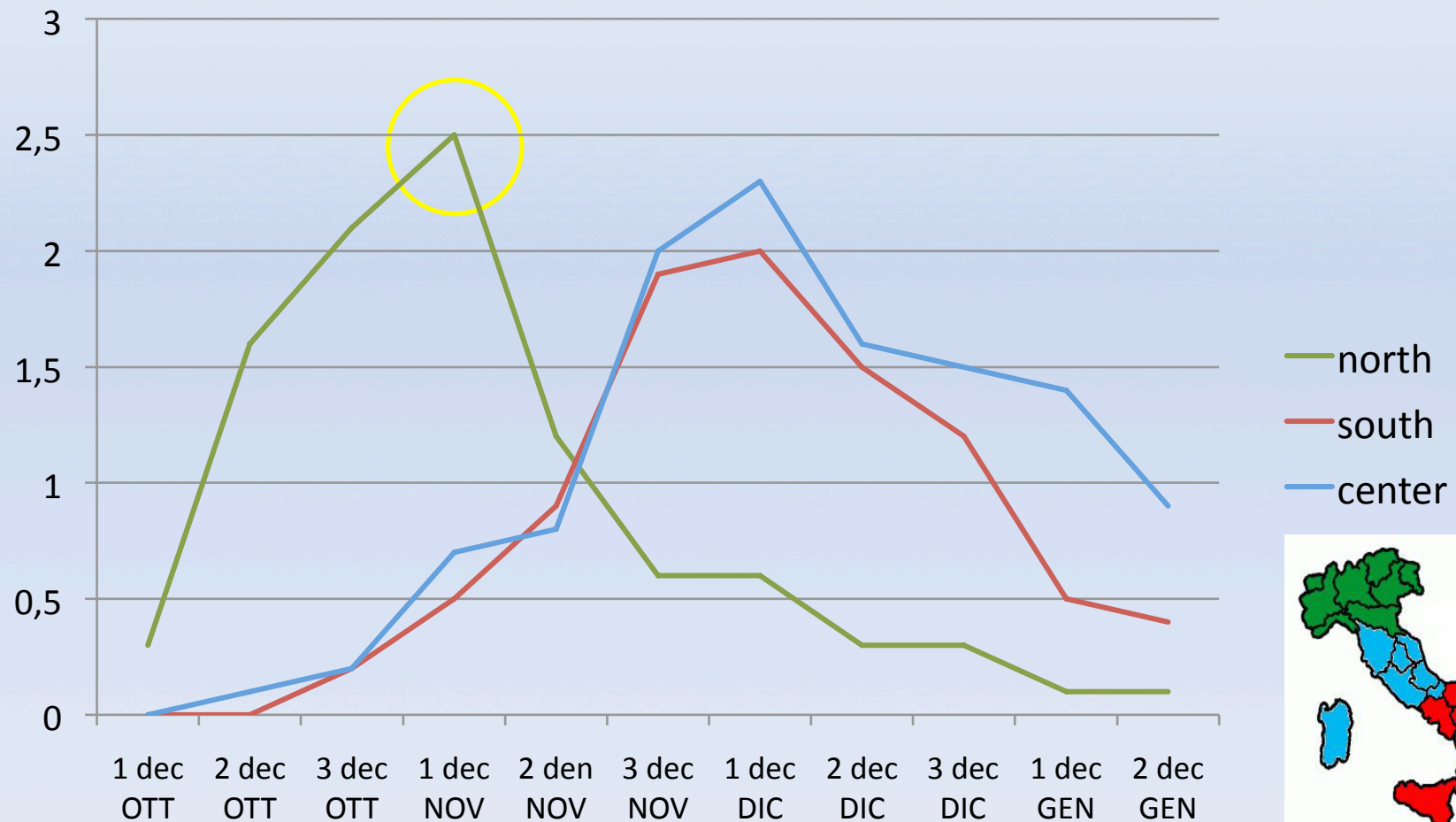
**I.C.A.** (Cinegetic Index of Abundance) =  
number of woodcocks encountered x 3.5 (mean  
duration in hours of a hunting exit in Europe) /  
total duration in hours of the hunting exits  
during the period considered



**I.P.C.** (Index of Hunting Pressure) = (woodcocks  
killed / woodcocks encountered ) x 100

# I.C.A. DECADE BY DECADE

## Hunting season 2013-14

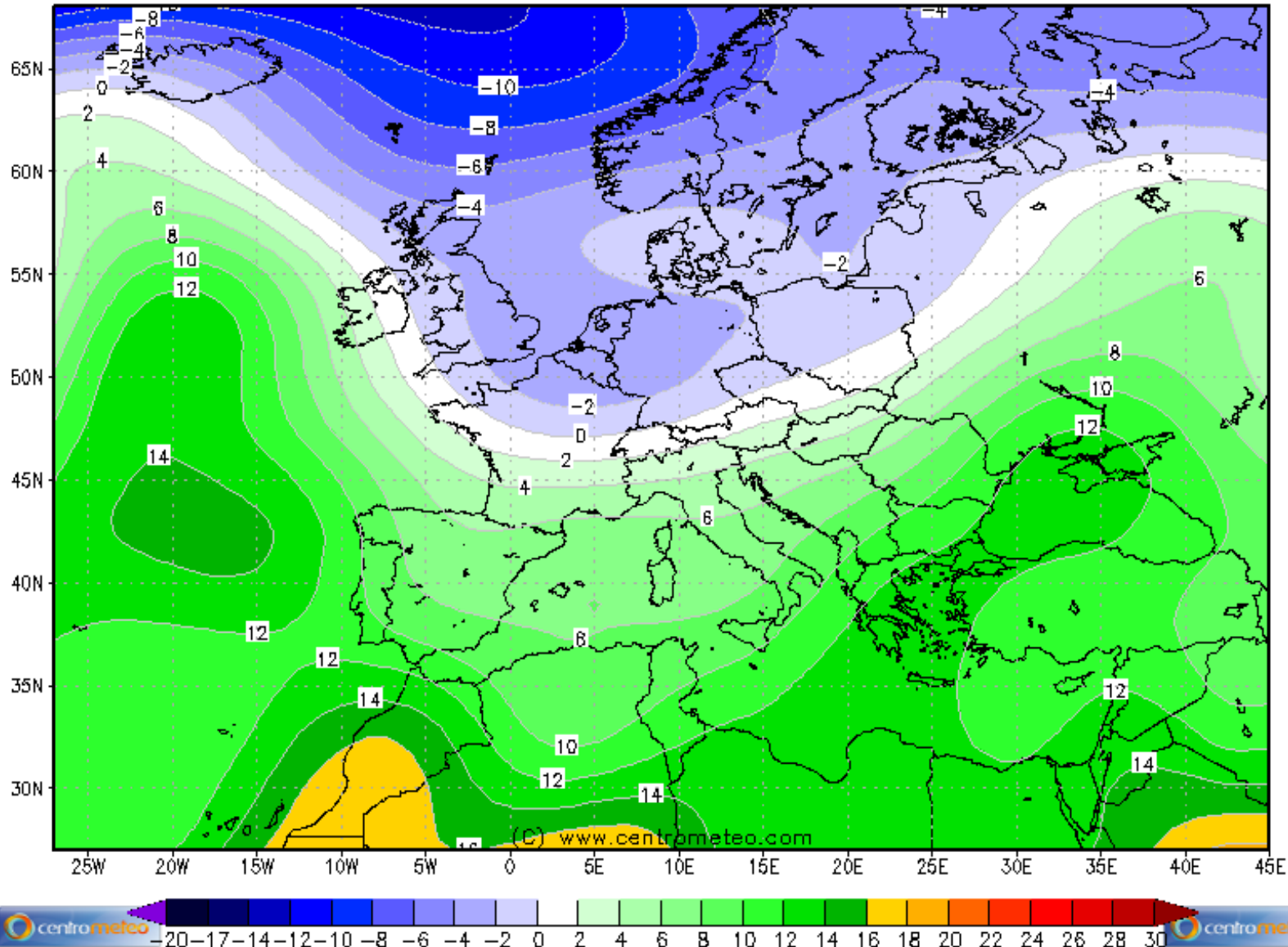




# MAP OF EUROPEAN TEMPERATURE

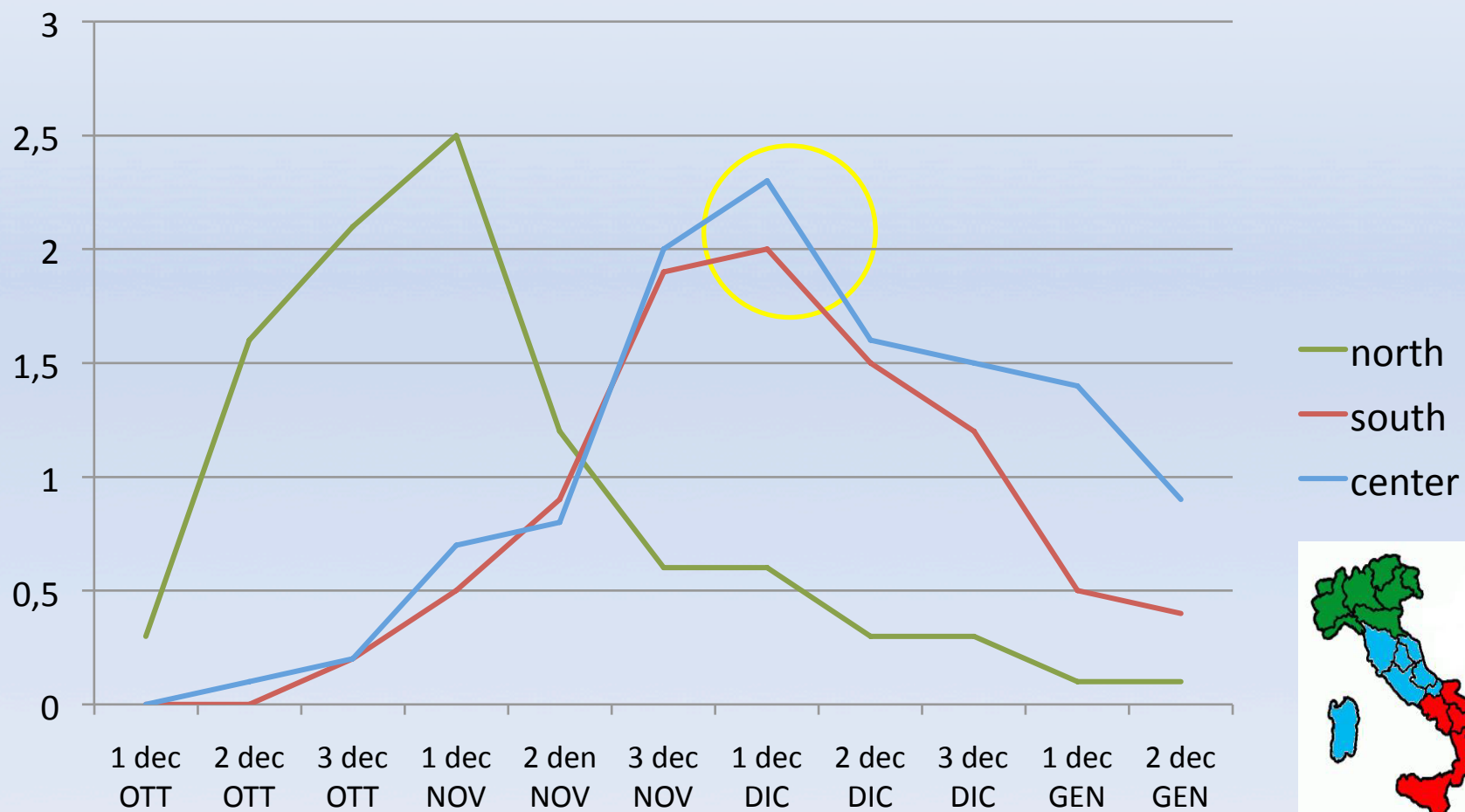
NCEP/NCAR Reanalysis for Europe by [www.centrometeo.com](http://www.centrometeo.com)

850hPa Temperature (C) at: 12Z 10-11-2013



# I.C.A. DECADE BY DECADE

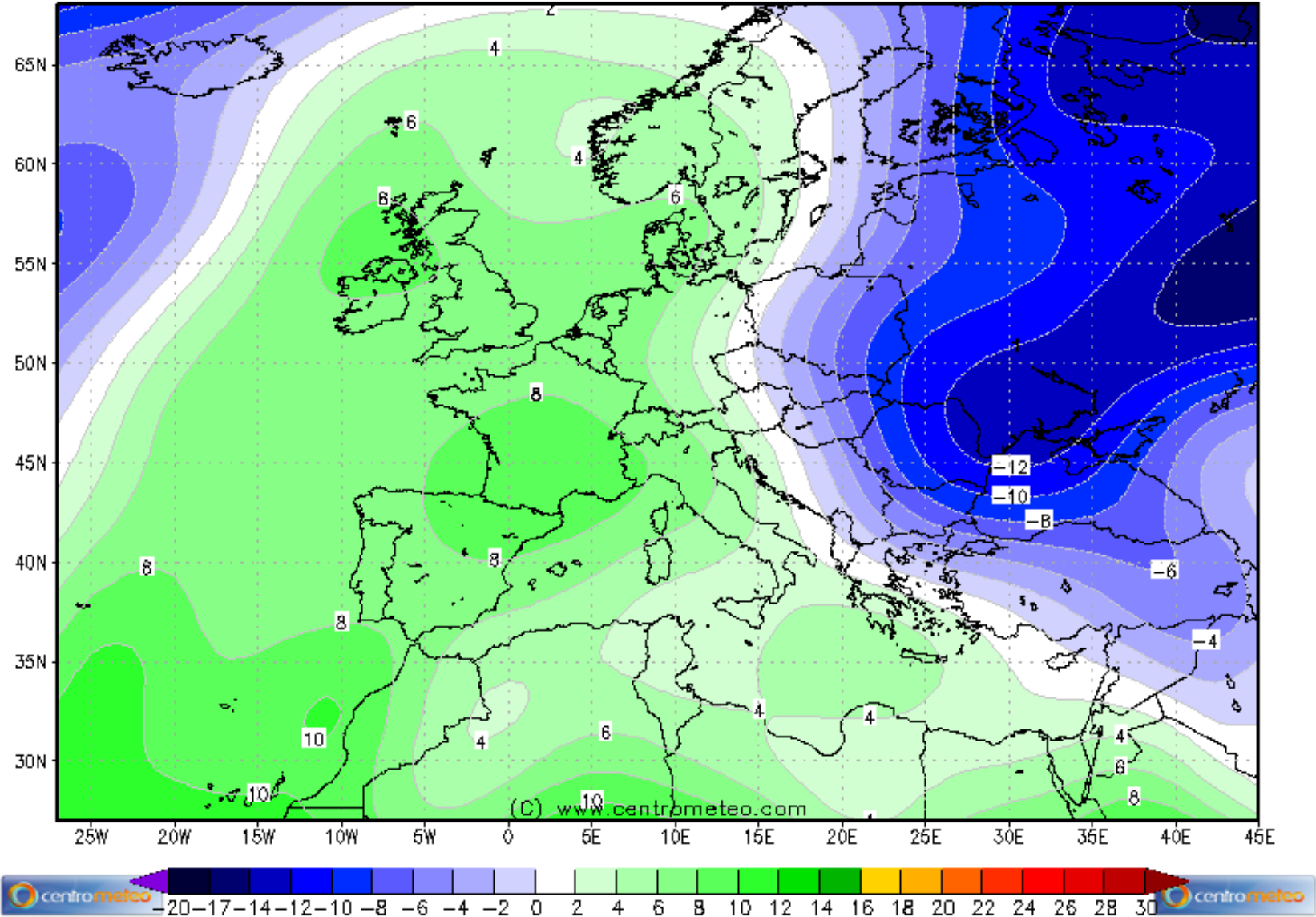
## Hunting season 2013-14



# MAP OF EUROPEAN TEMPERATURE

NCEP/NCAR Reanalysis for Europe by [www.centrometeo.com](http://www.centrometeo.com)

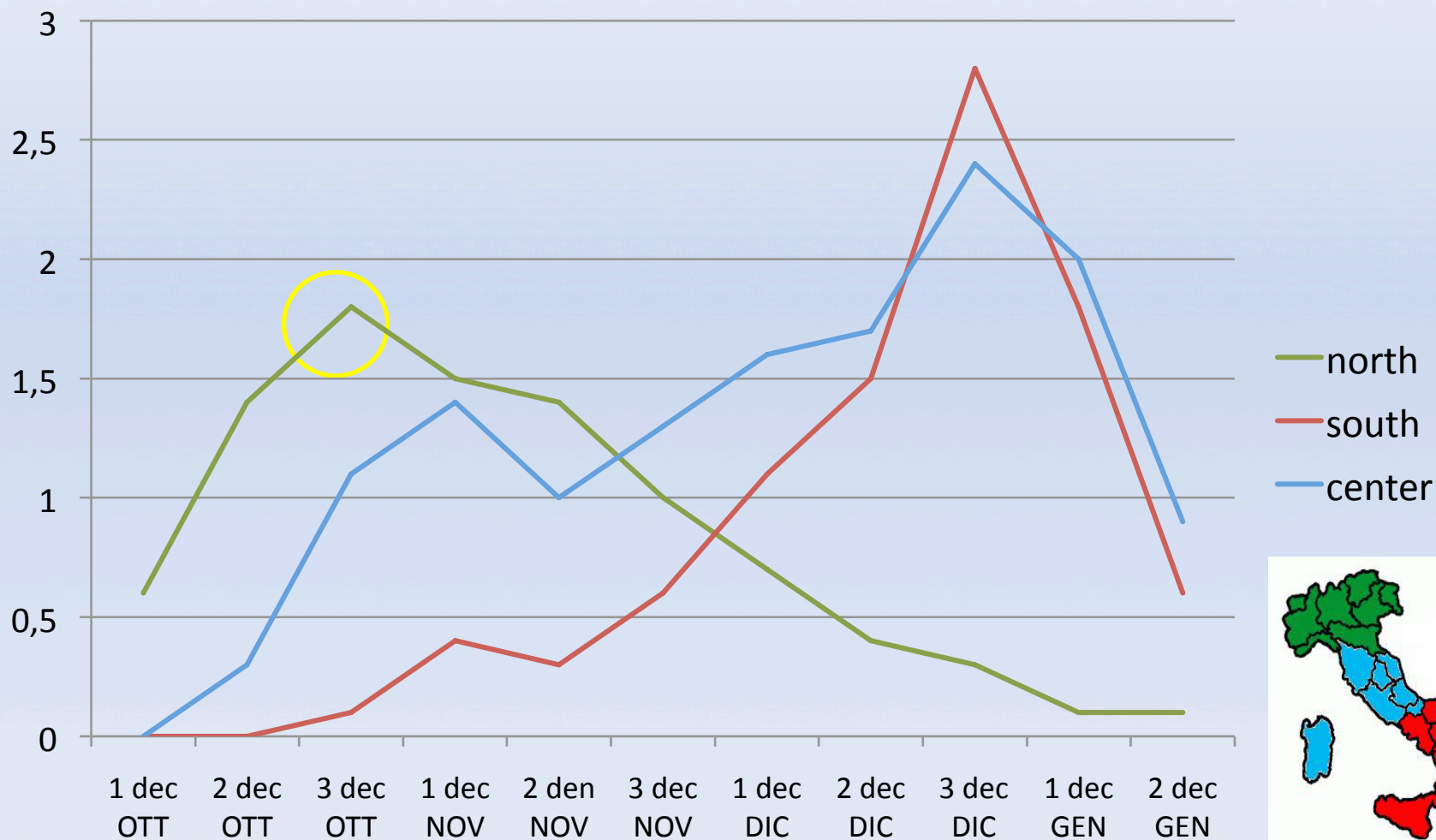
850hPa Temperature (C) at: 12Z 10-12-2013





# I.C.A. DECADE BY DECADE

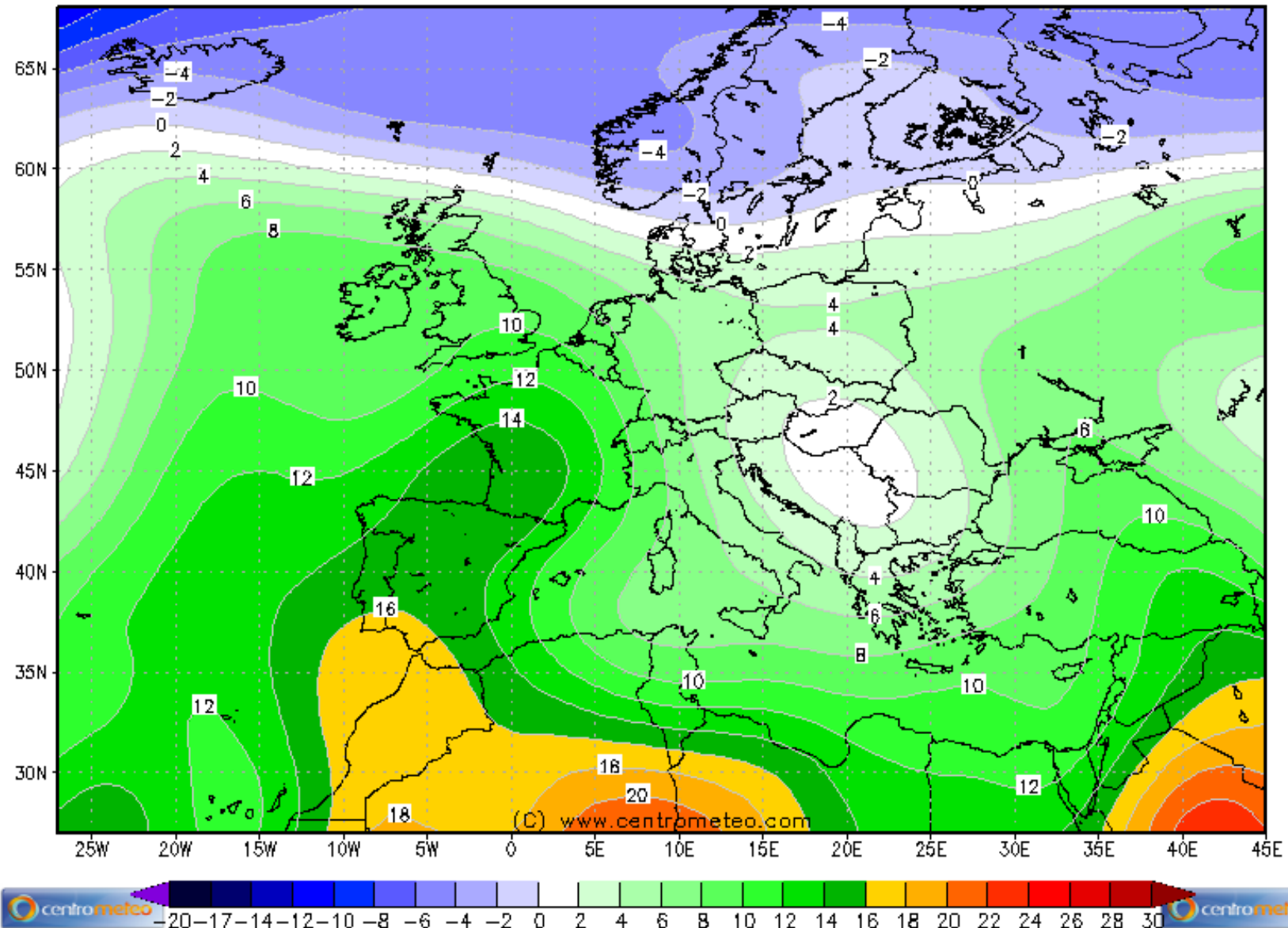
## Hunting season 2014-15



# MAP OF EUROPEAN TEMPERATURE

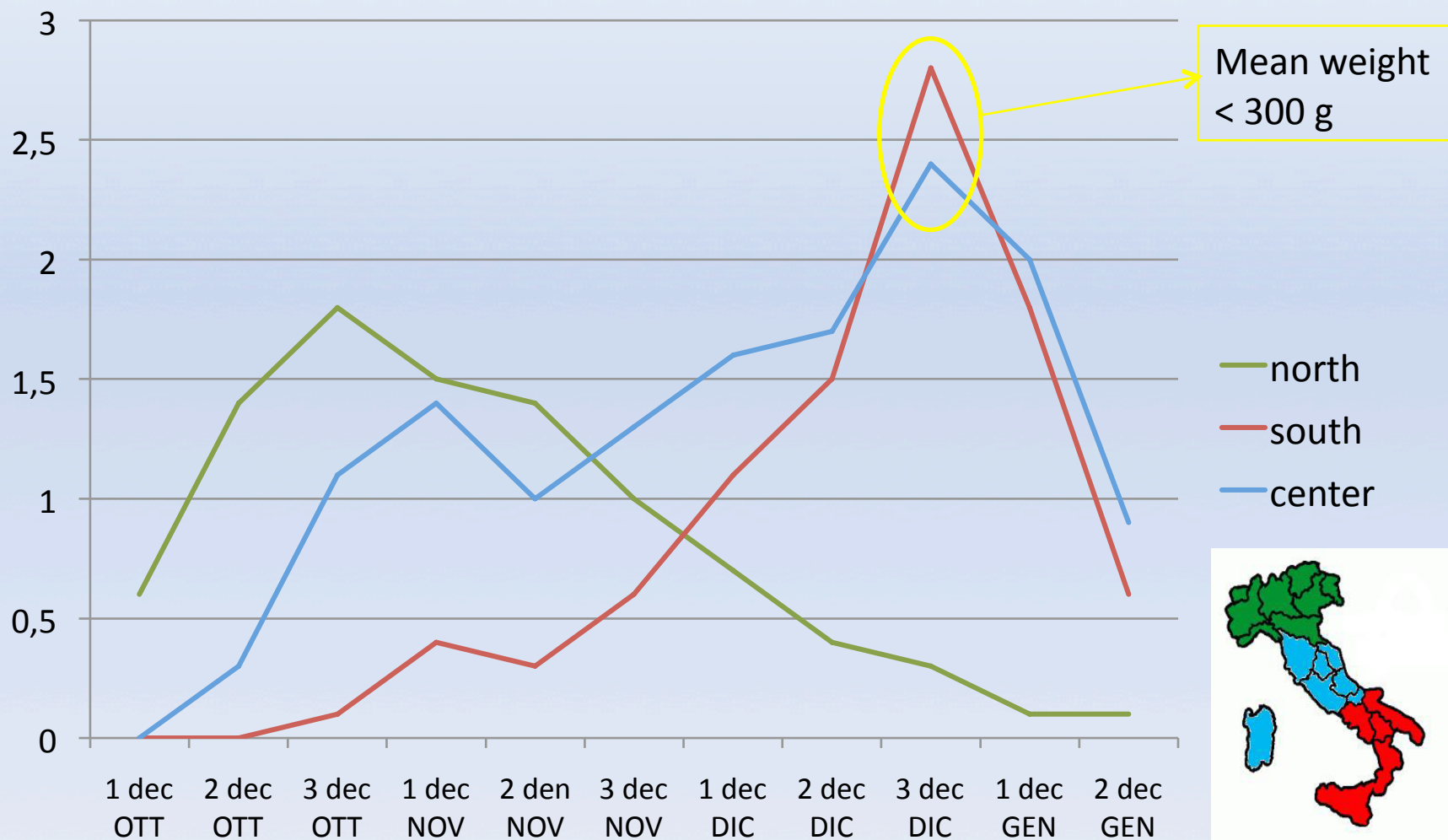
NCEP/NCAR Reanalysis for Europe by [www.centrometeo.com](http://www.centrometeo.com)

850hPa Temperature (C) at: 12Z 30-10-2014



# I.C.A. DECADE BY DECADE

## Hunting season 2014-15

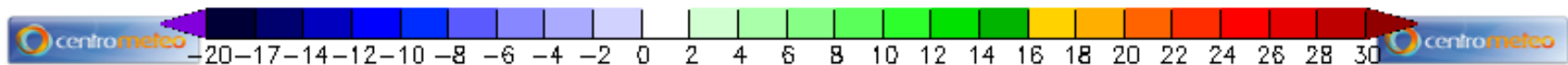
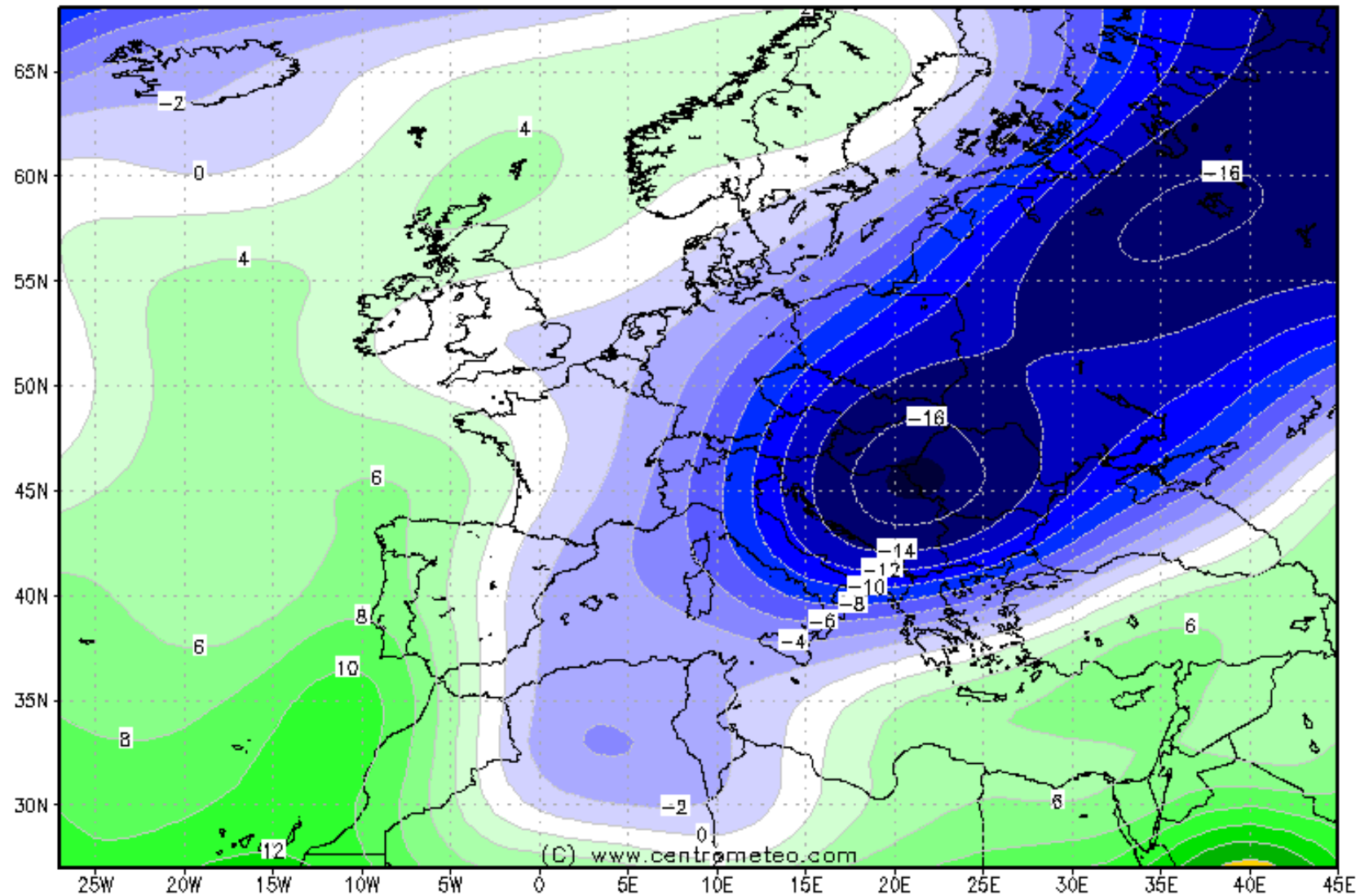


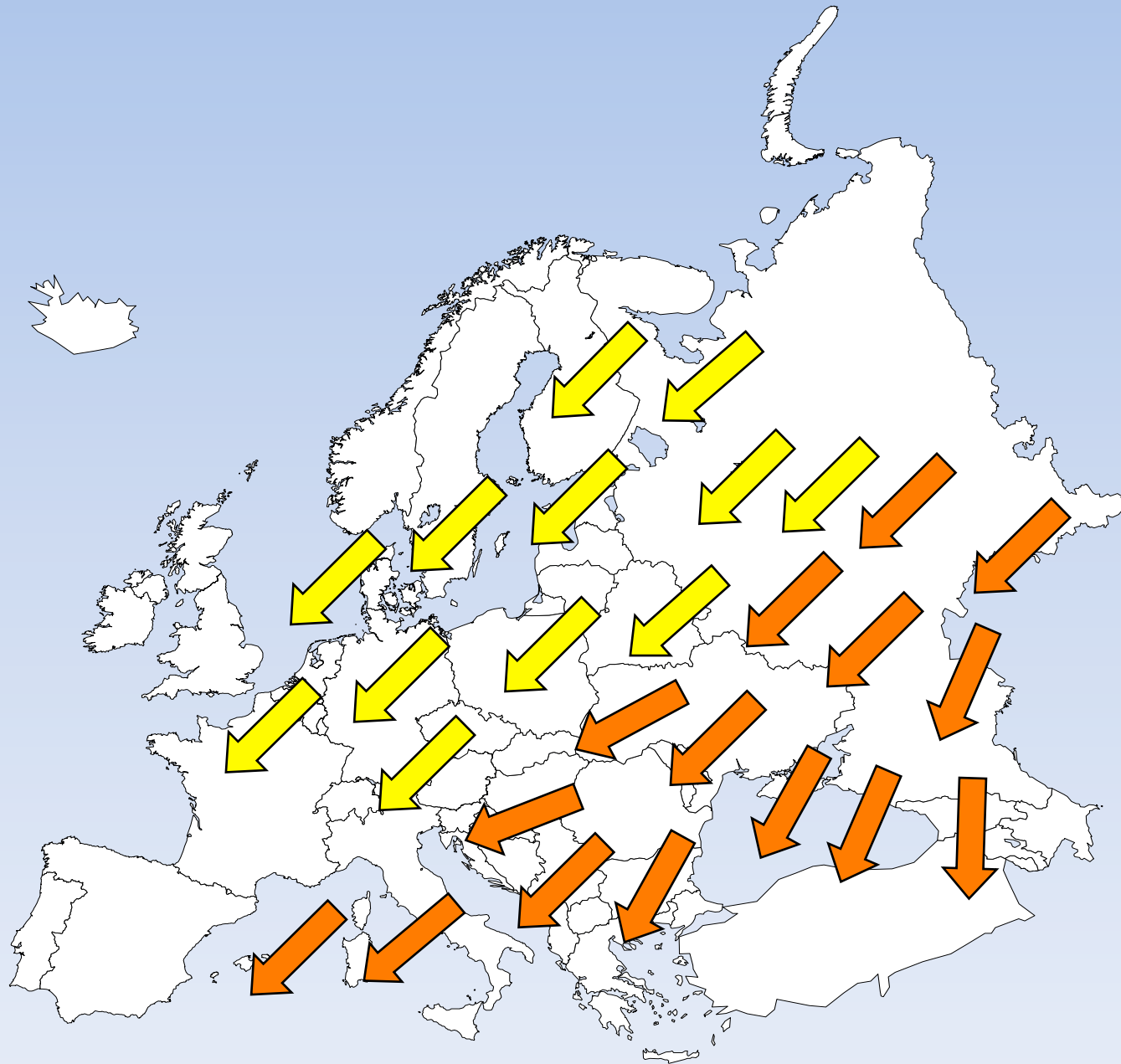


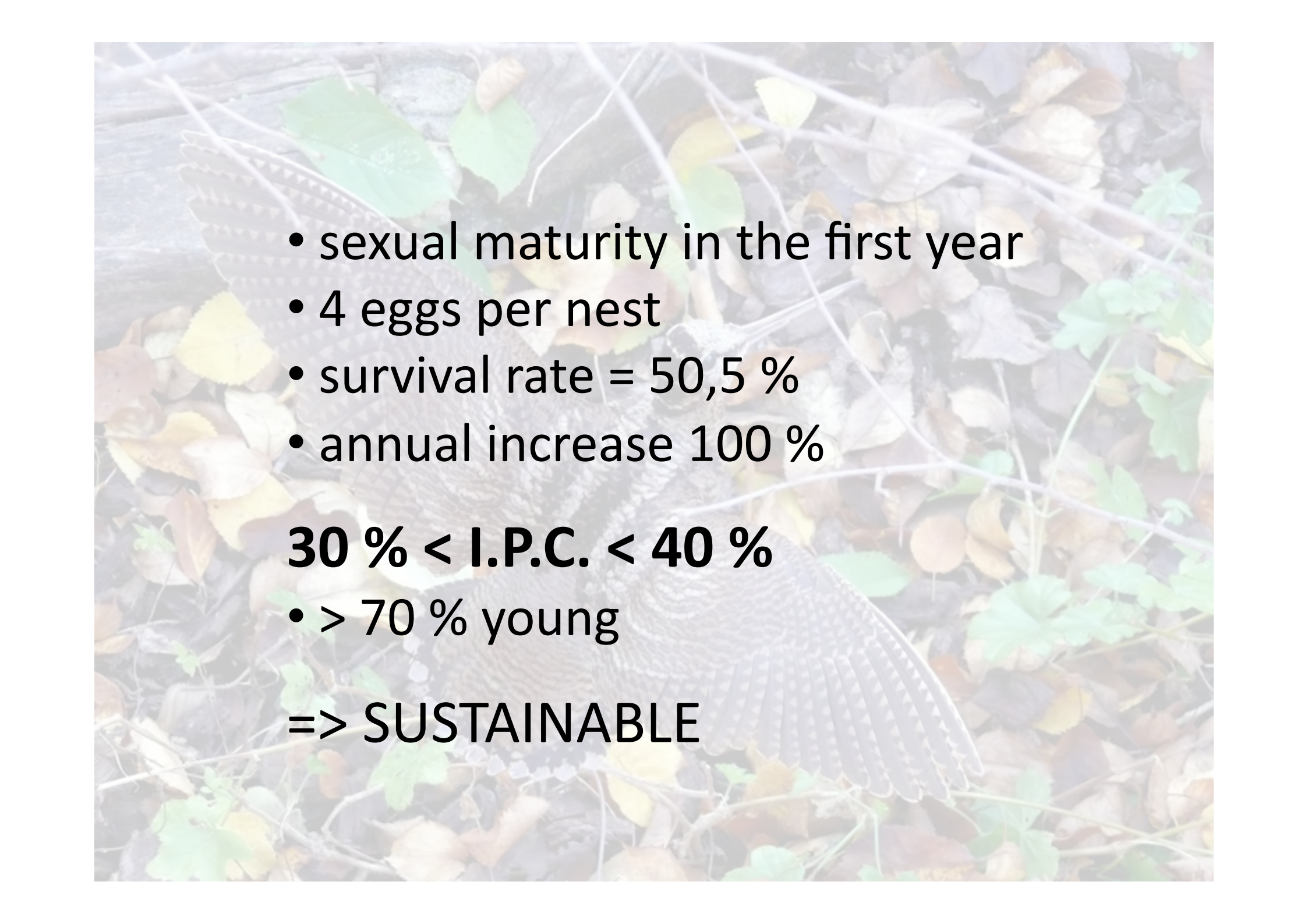
# MAP OF EUROPEAN TEMPERATURE

NCEP/NCAR Reanalysis for Europe by [www.centrometeo.com](http://www.centrometeo.com)

850hPa Temperature (C) at: 12Z 30-12-2014





- 
- A turkey is shown in a nest, surrounded by dry leaves and twigs. The turkey is facing right, and its tail feathers are visible. The background is a dense layer of autumn leaves in various shades of brown, yellow, and green.
- sexual maturity in the first year
  - 4 eggs per nest
  - survival rate = 50,5 %
  - annual increase 100 %

**30 % < I.P.C. < 40 %**

- > 70 % young

**=> SUSTAINABLE**



THANKS FOR  
THE  
ATTENTION

