

Climatic effects on life history in the hazel dormouse

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people's
trust for
endangered
species

University of
Cumbria

WOODLAND
TRUST

Suffolk
Wildlife
Trust

CHESTER
ZOO



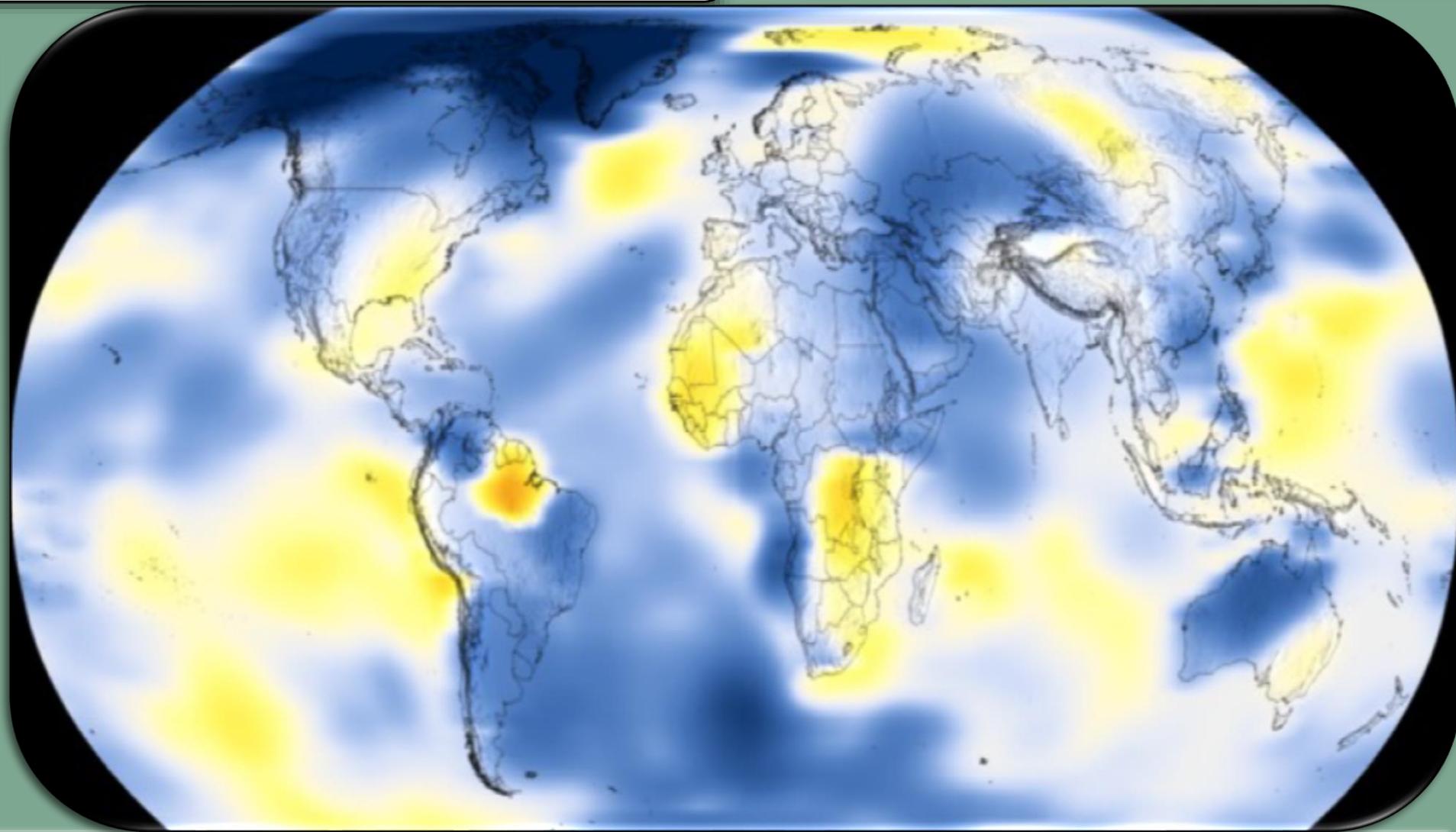
Woodland Trust/WTML

Global Climate Change

Temperature Difference (Fahrenheit)



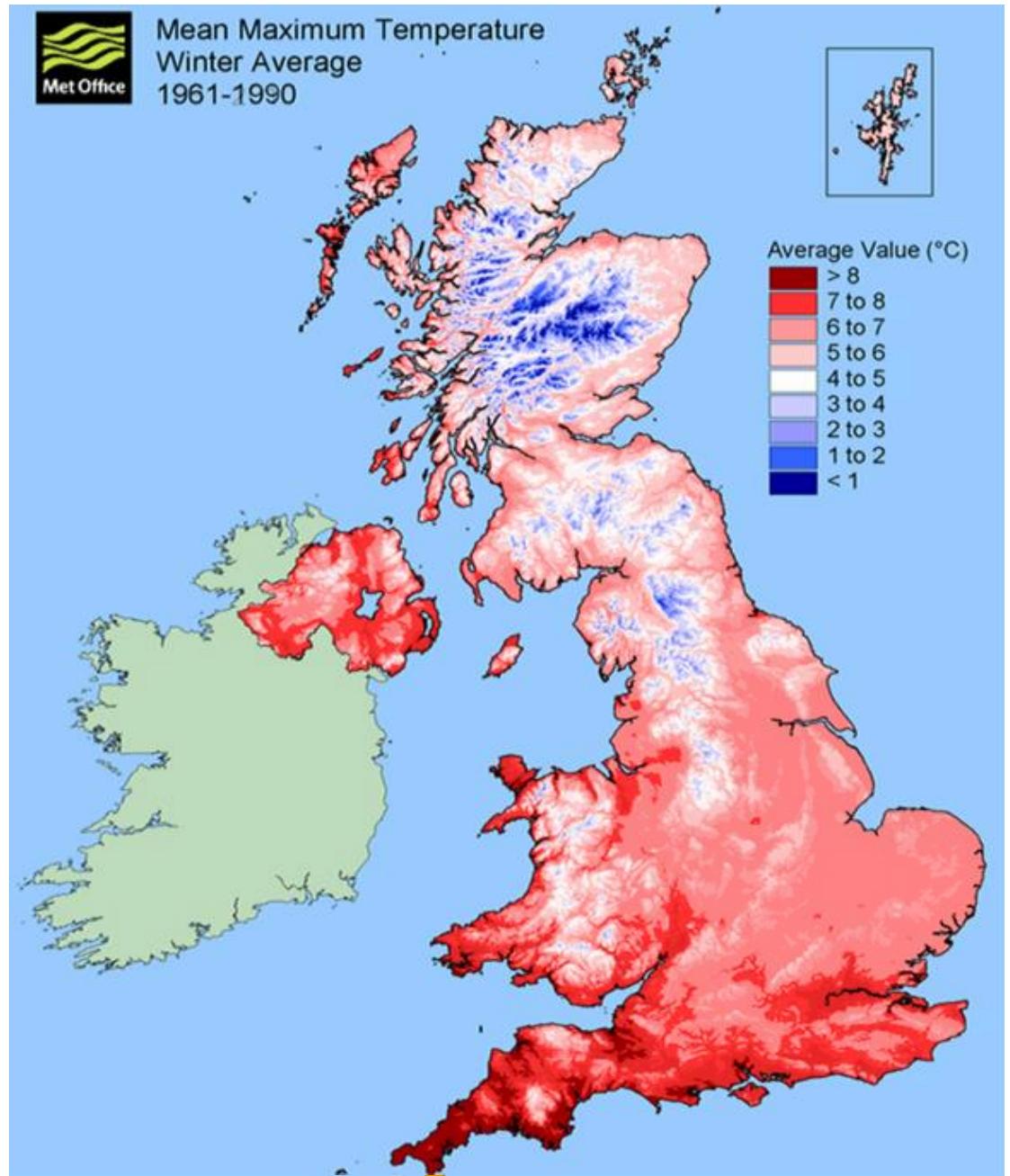
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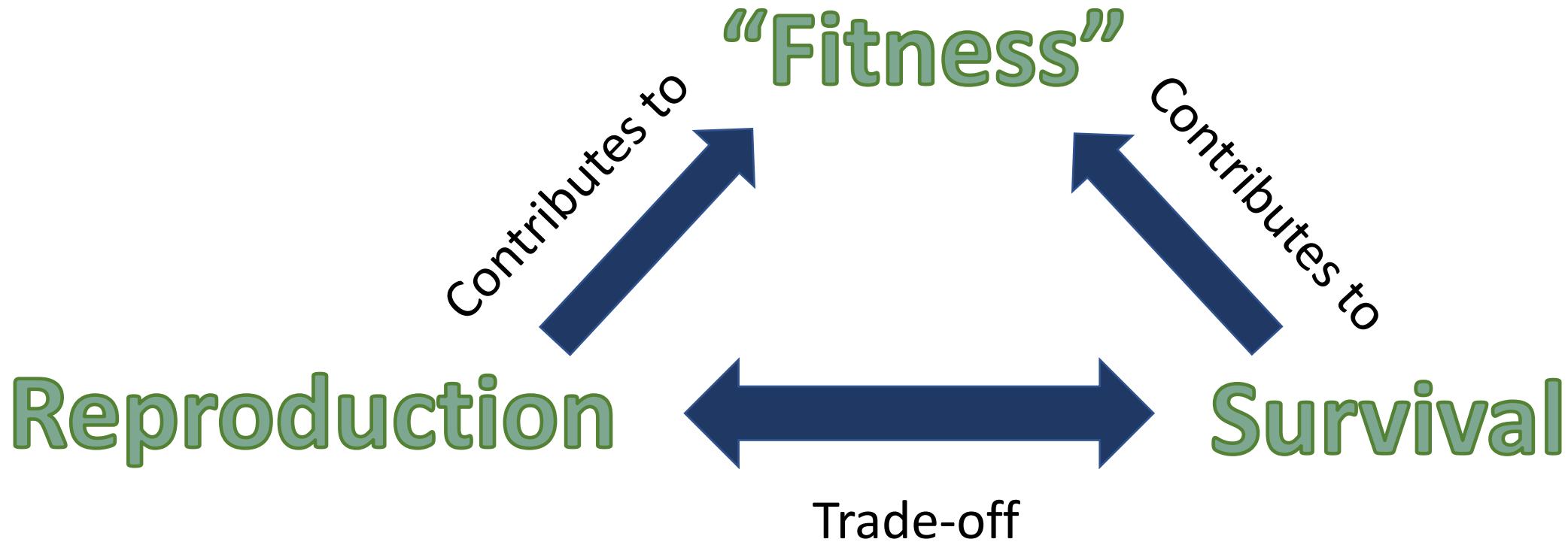
NASA's Climate Time Machine <https://climate.nasa.gov/interactives/climate-time-machine>

UK Climate change

- Dormice present
- Dormice common
- Reintroduction site



What is life history?



What is life history?

Units of
energy



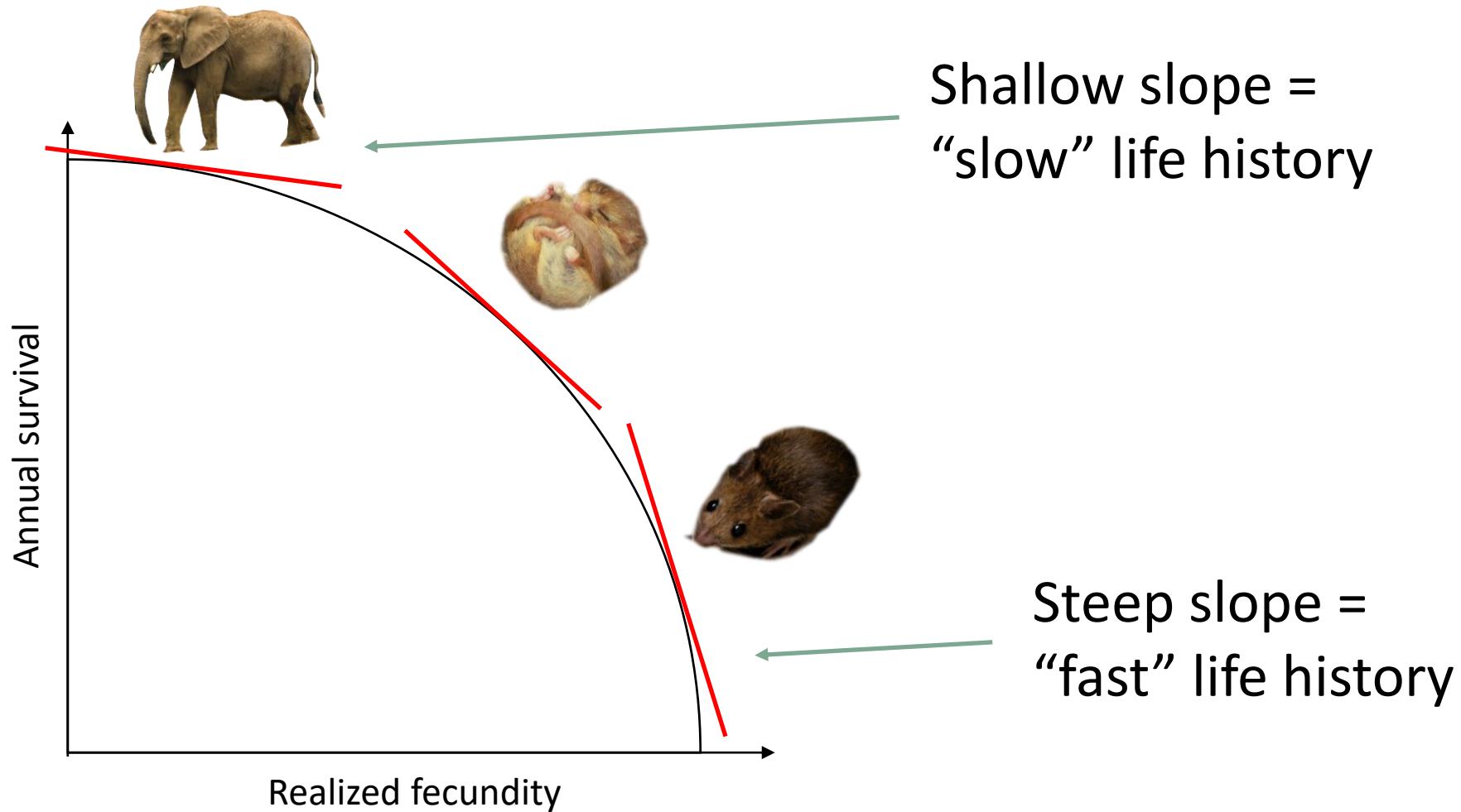
Reproduction



Survival



What is life history?



Life history

Fitness

Survival

Reproduction

Lifespan

No. litters

Growth rate

Litter size

Life history

Torpor

Mating

Hibernation

Foraging

Budding

Fruiting

Flowering

Leafing

Activity levels

Summer
precipitation

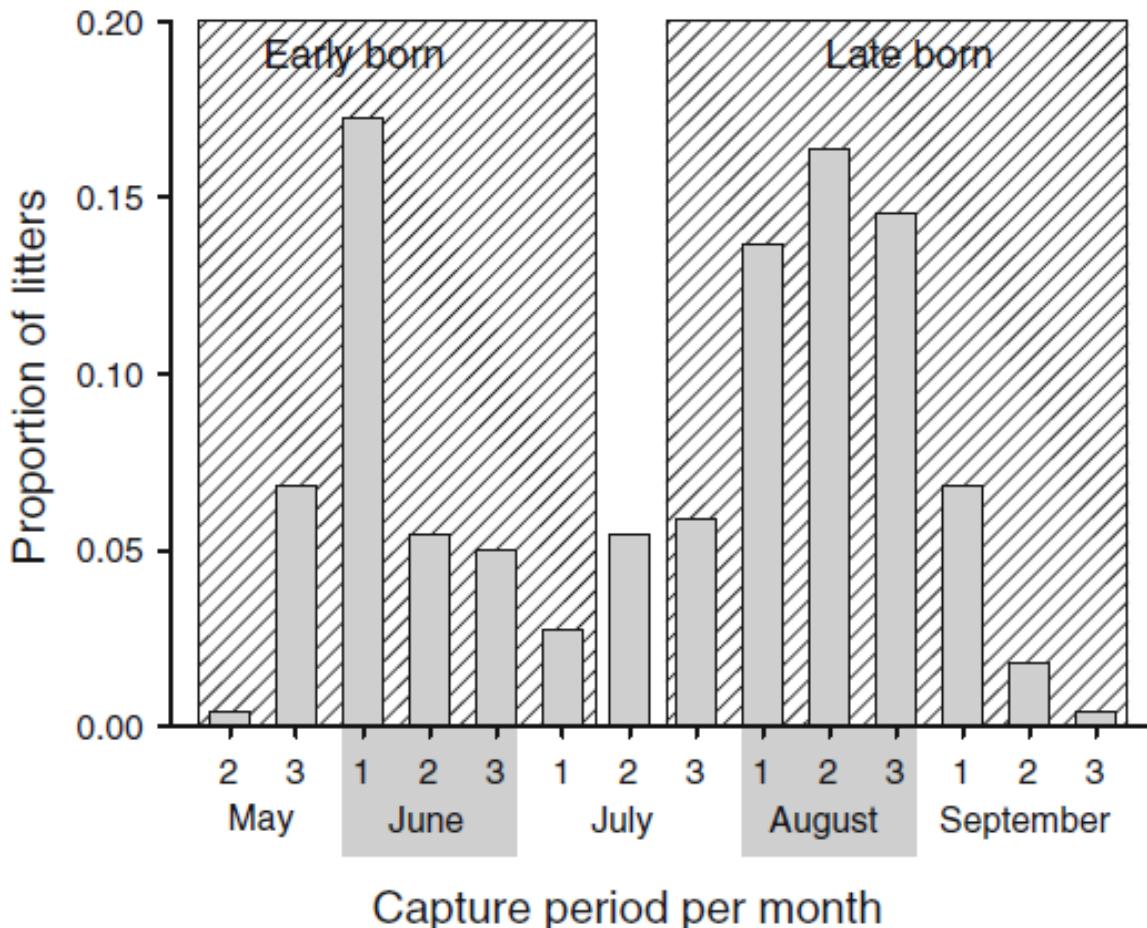
Summer
temperature

Weather

Winter
temperature

Winter
precipitation

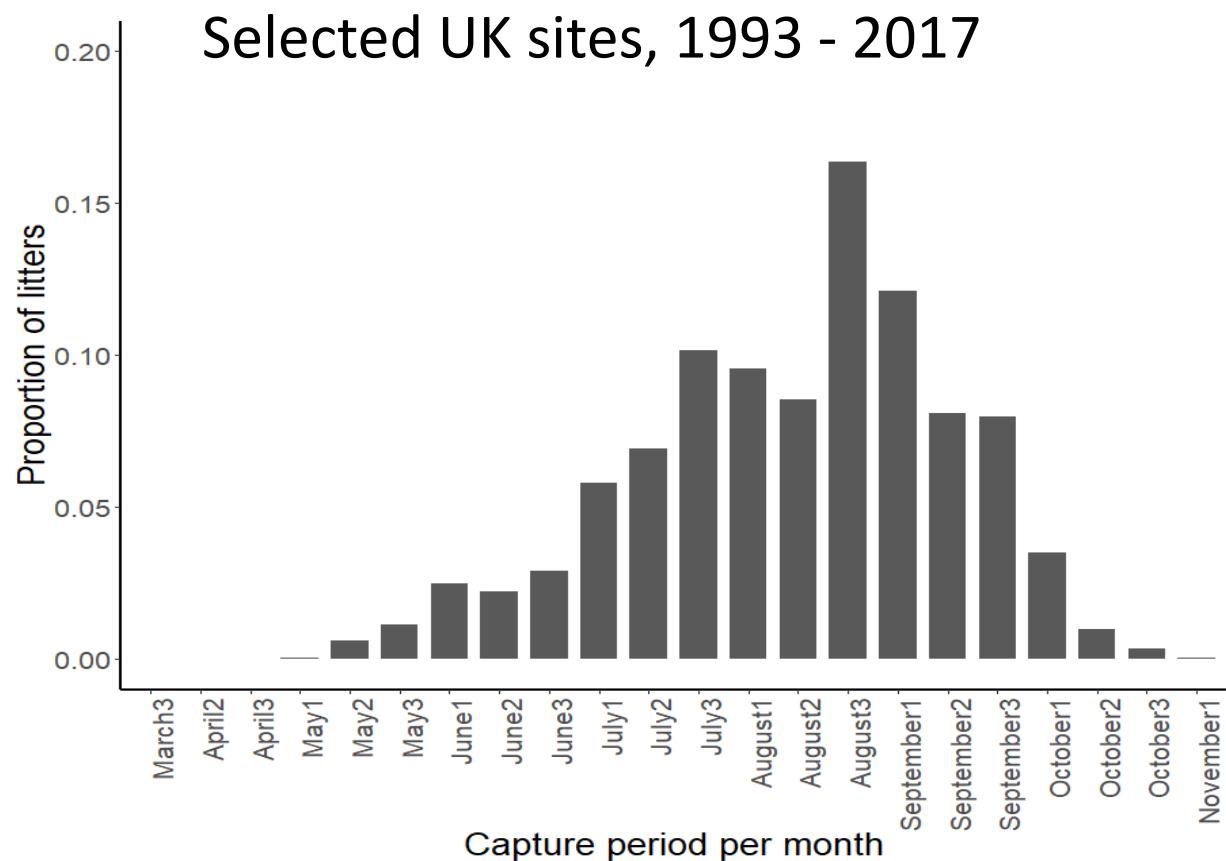
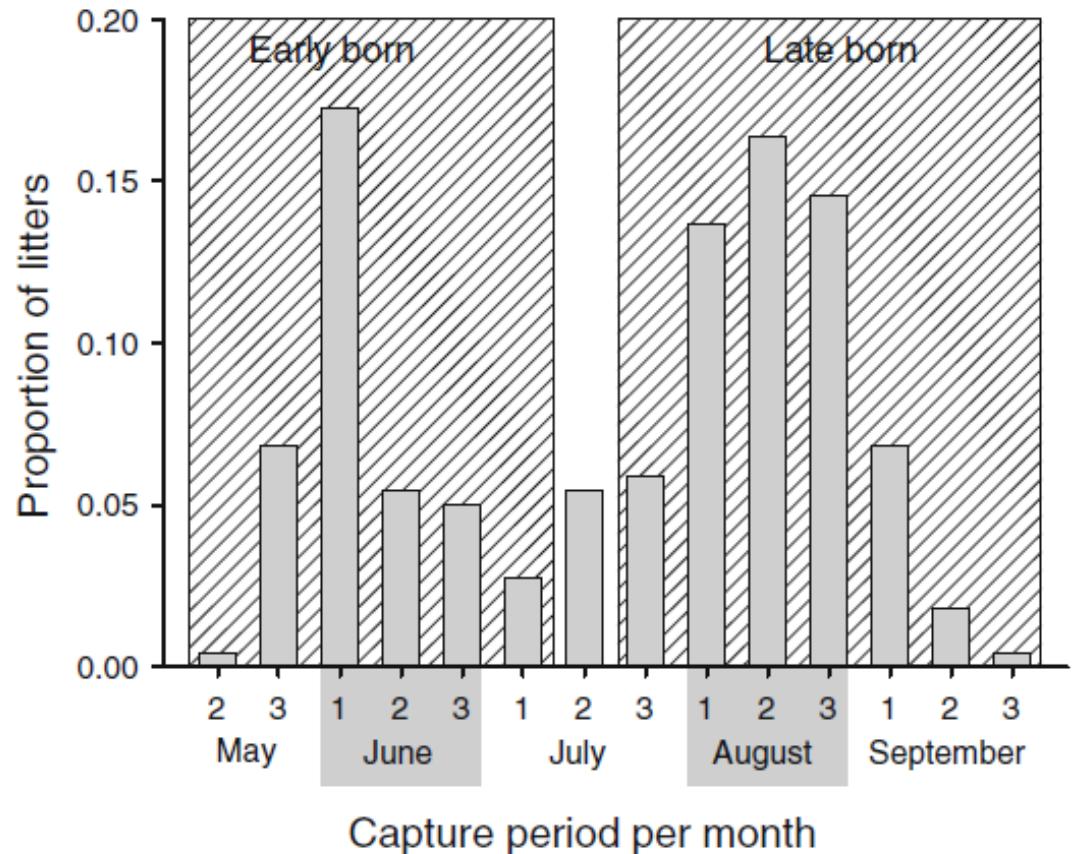
Reproduction



Šakiai district,
Lithuania

1981 - 2007

Reproduction



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precipitation

Summer
temperature

Weather

Winter
temperature

Winter
precipitation

Activity levels



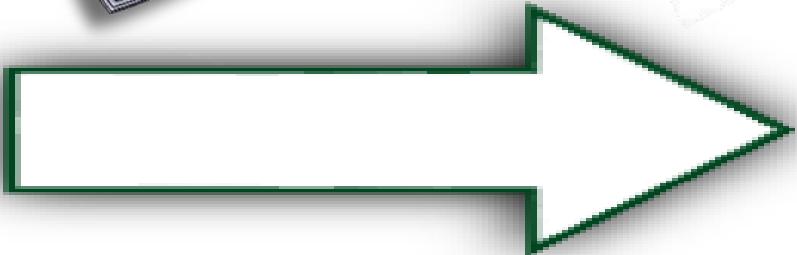
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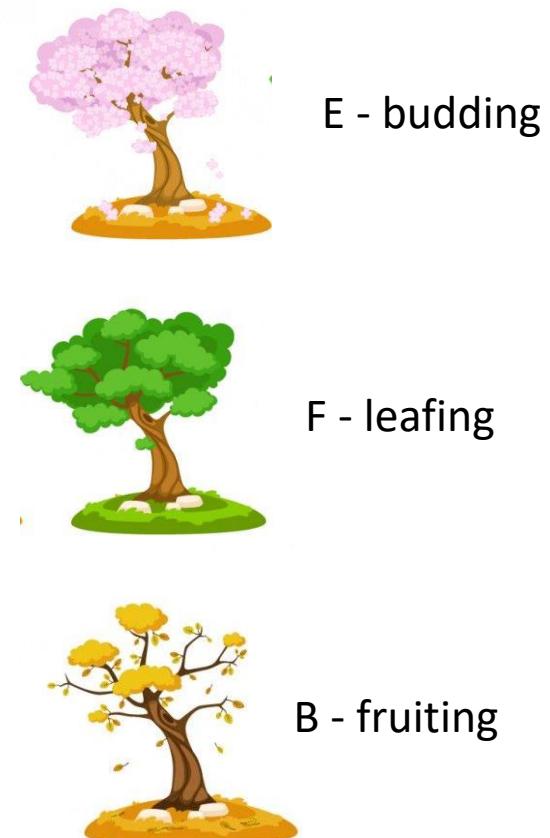
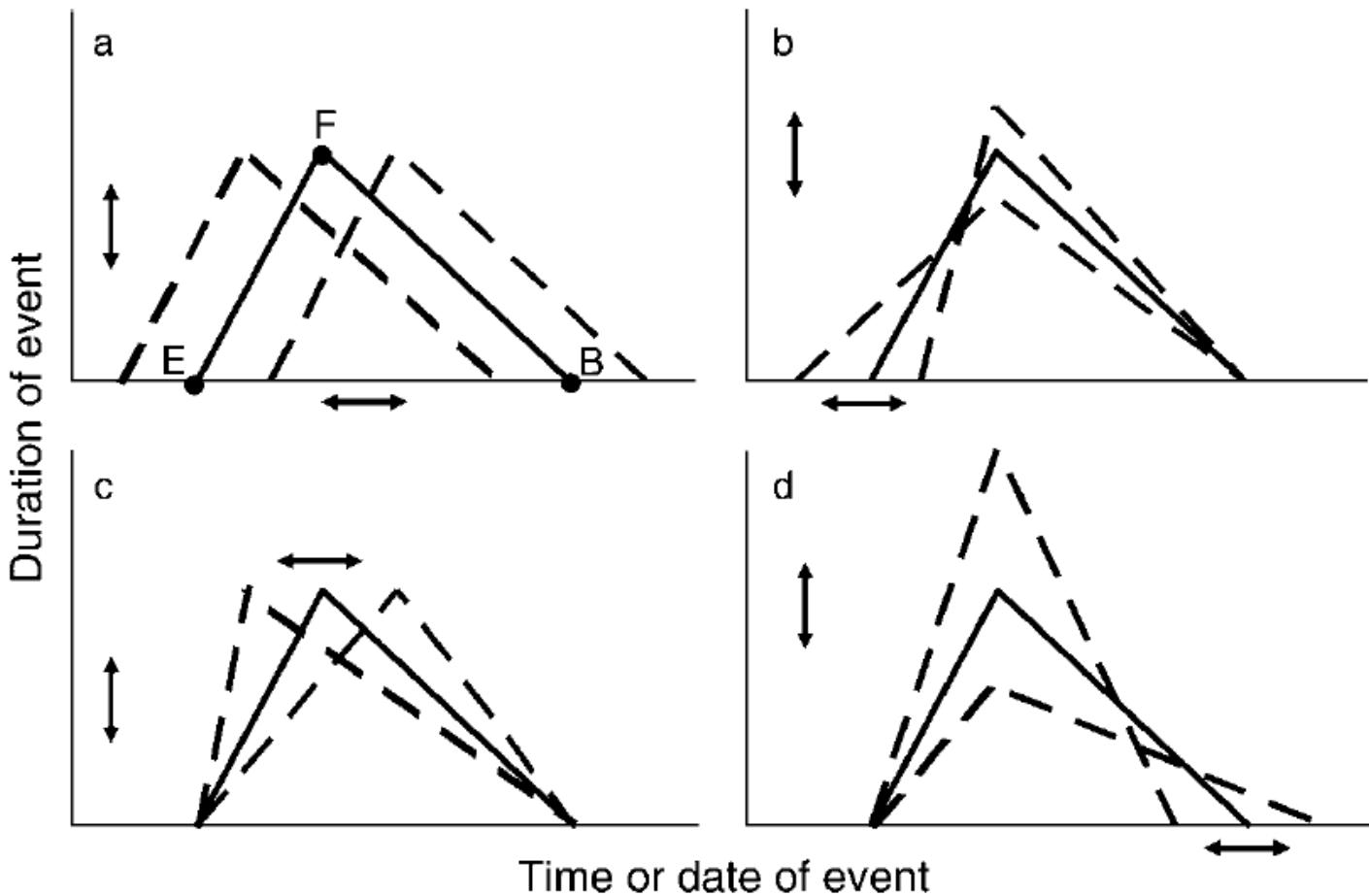
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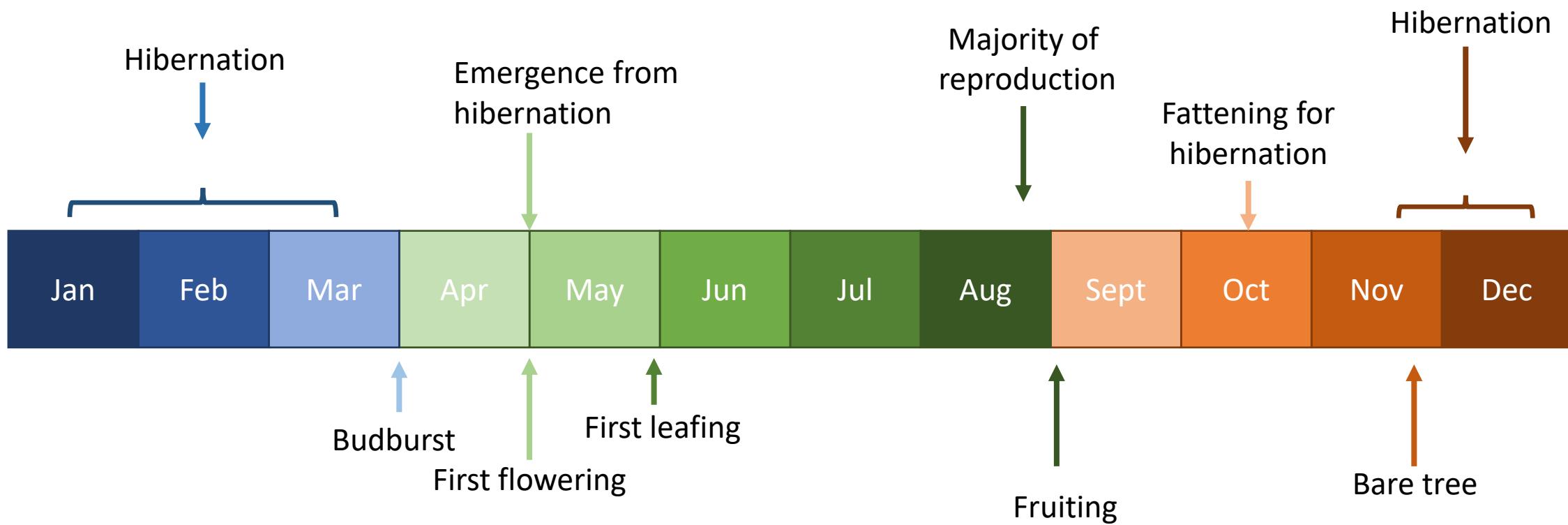
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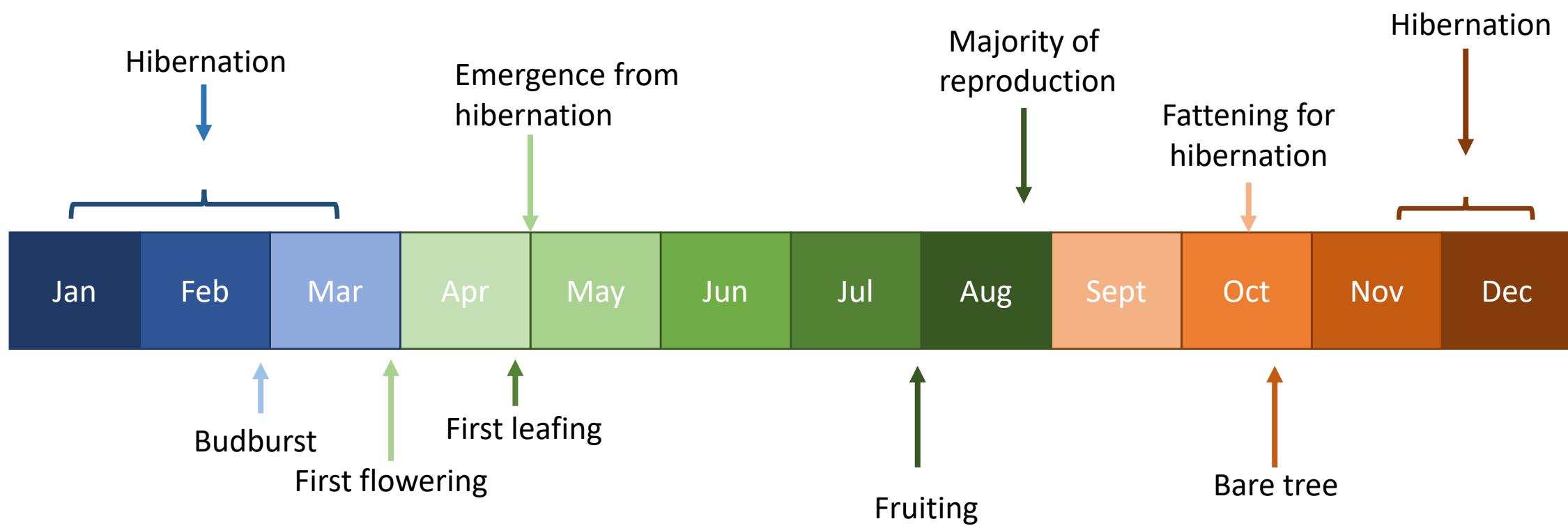
Food availability



Potential effects



Potential effects



Applications

Reintroductions

Long-term conservation

Woodland management



Acknowledgements

- People's Trust for Endangered Species
- Woodland Trust
- Suffolk Wildlife Trust
- Chester Zoo
- Roger Trout
- University of Cumbria
- My supervisors, Drs. Davina Hill, Volker Deecke and Andrew Weatherall



YOU!