

Die Bedeutung von Schalenwildverbiss für die Artenvielfalt in Wäldern

Bad Wildungen, 30. März 2011

Christian Ammer



Abt. Waldbau und Waldökologie der gemäßigten Zonen der Universität Göttingen

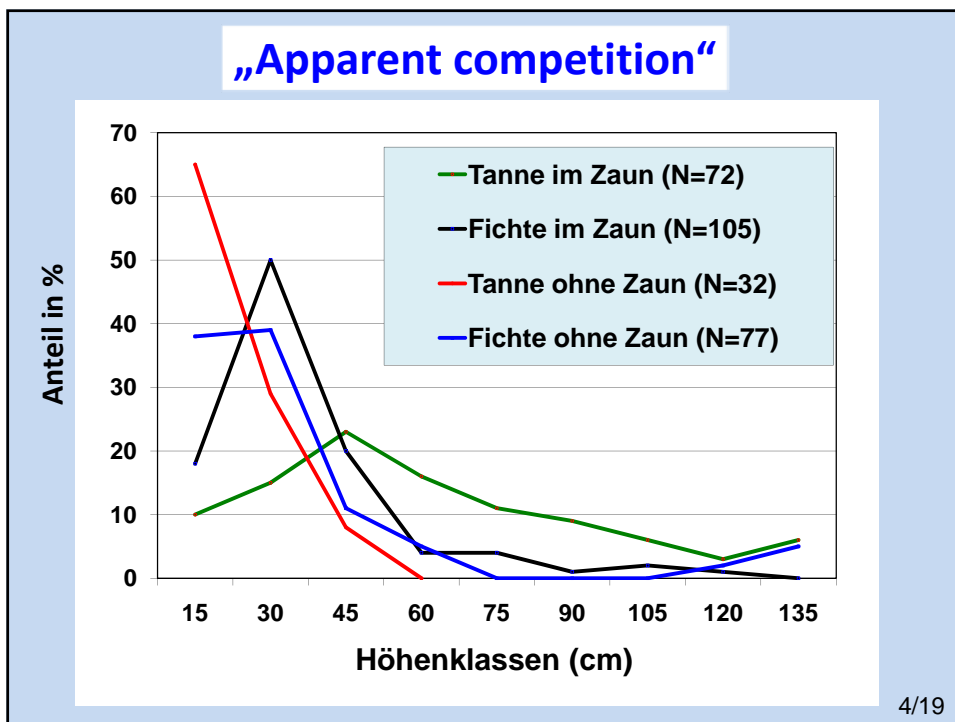
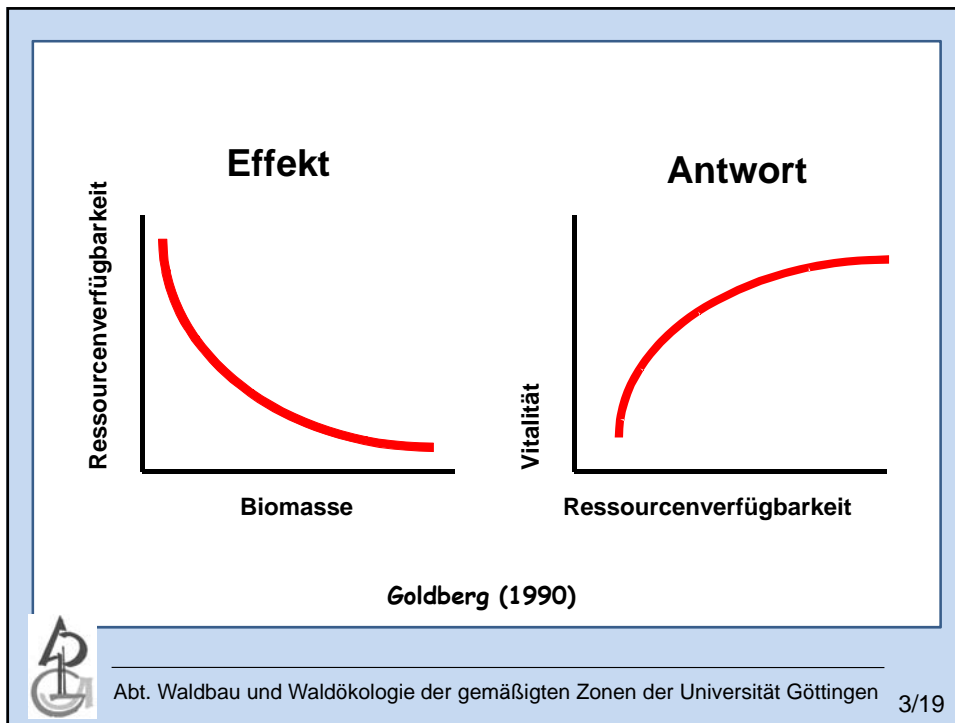
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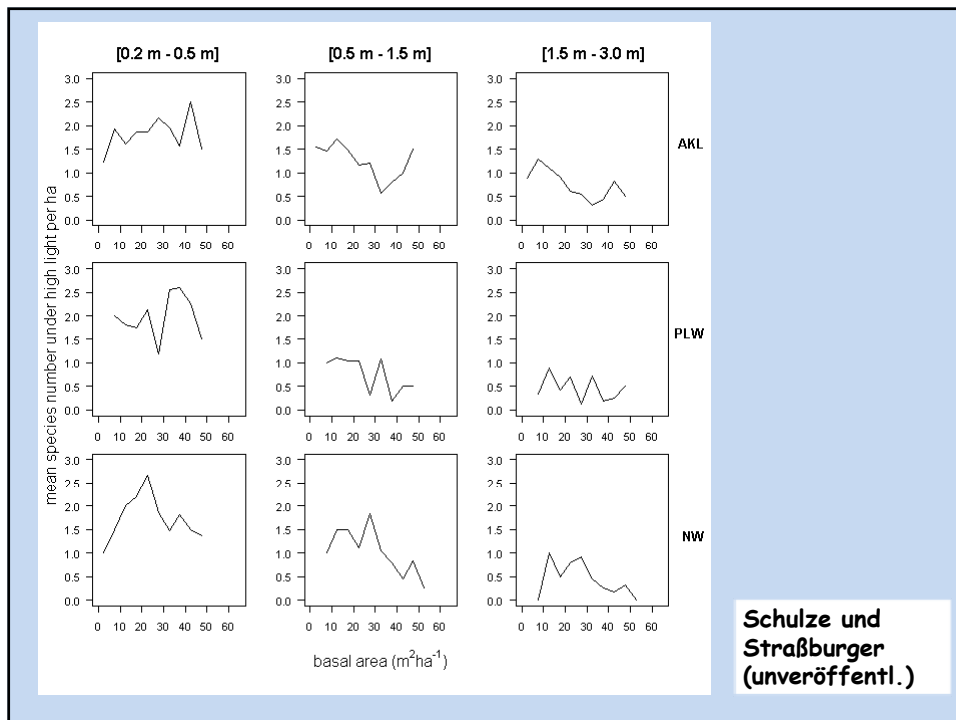
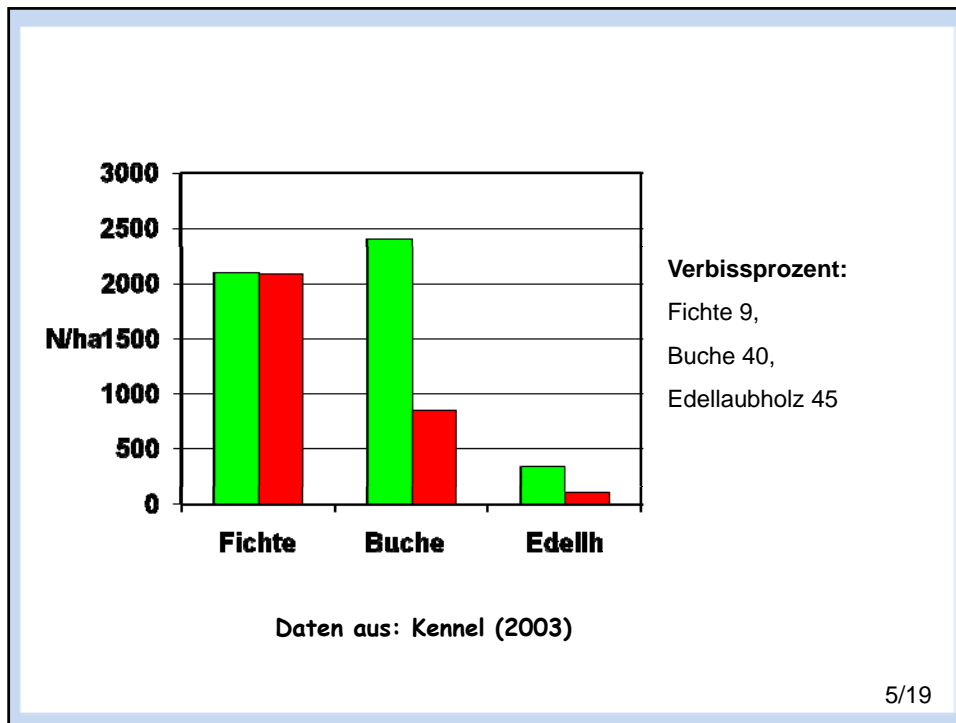
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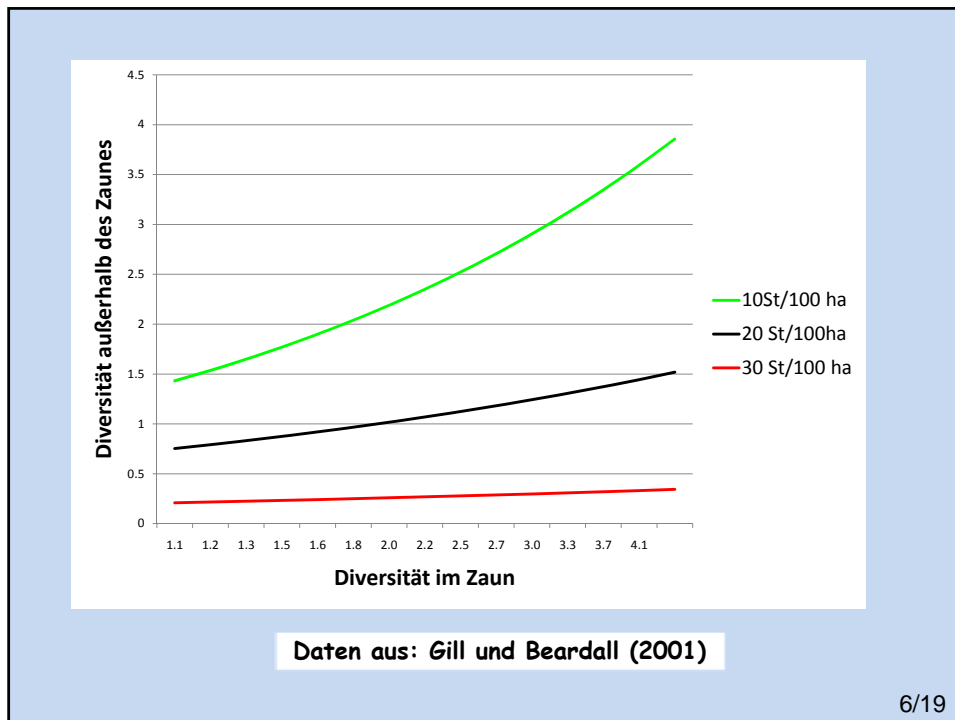
Konkurrenzkraft



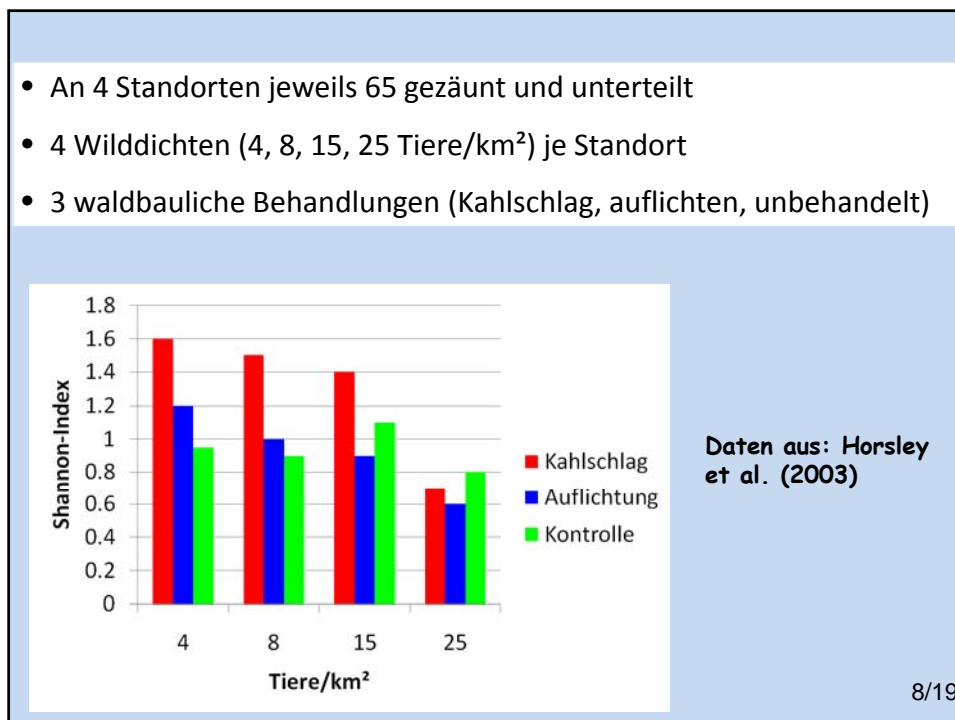
2/19







6/19

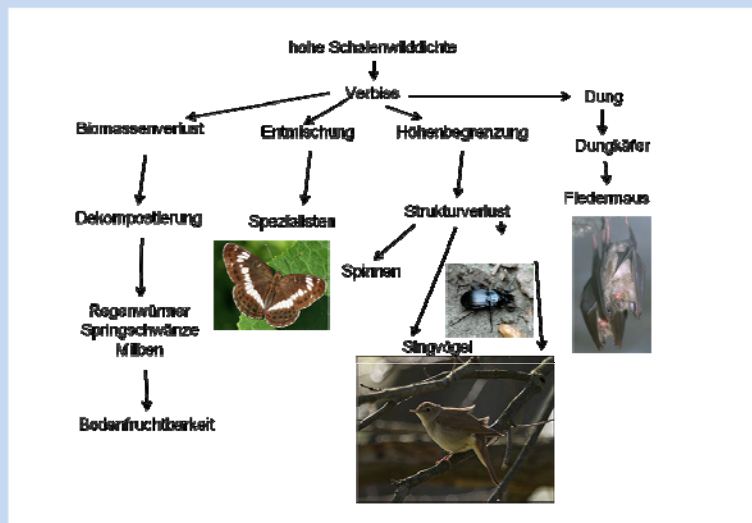


8/19

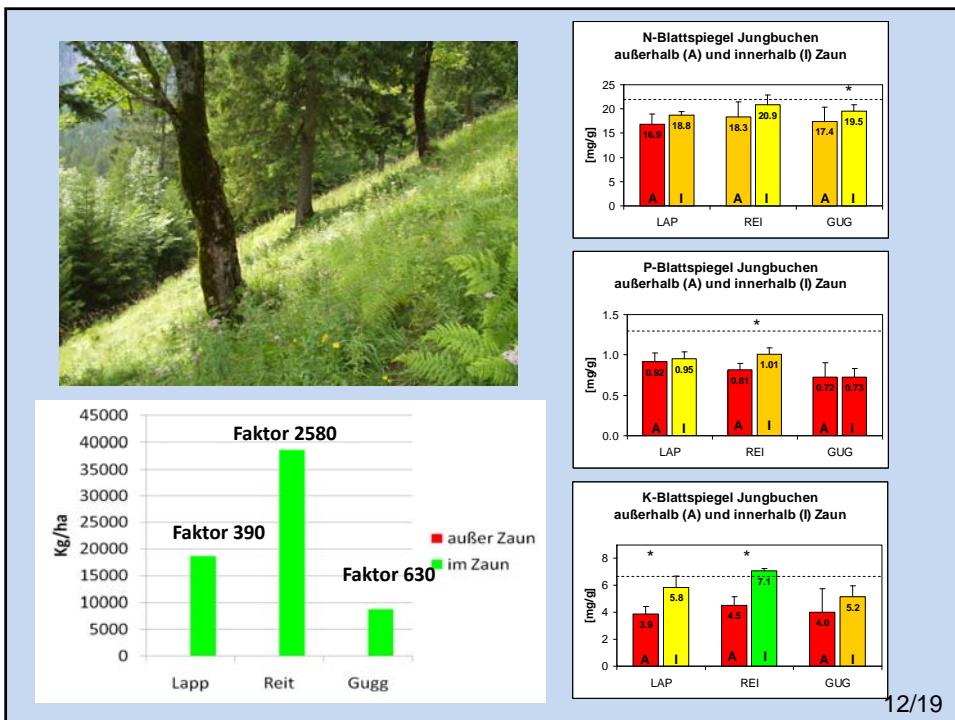
- „The **threshold of deer** density for negative impacts on forest vegetation under our landscape condition was $> \approx 8$ deer/km²“
 - „Overall, the qualitative impacts of deer on species density, height growth, species diversity in exclosure studies were similar to those reported here. This suggests that **exclosure studies can be used** with some confidence to identify situations in which **deer impact** is changing the direction of vegetative community development“
- Horsley et al. (2003), Ecol. Applications 13: 98-118

9/19

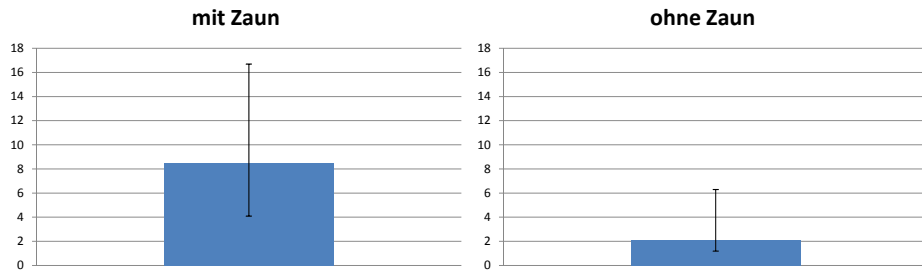
Wildverbiss und Biodiversität



10/19



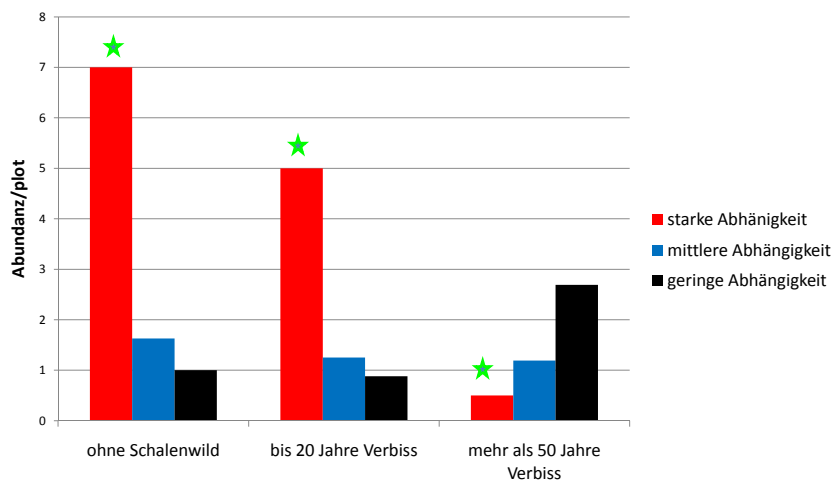
Zahl der Territorien von Singvogelarten mit starker Bindung an Unterwuchs



Daten aus: Gill und Fuller (2007)



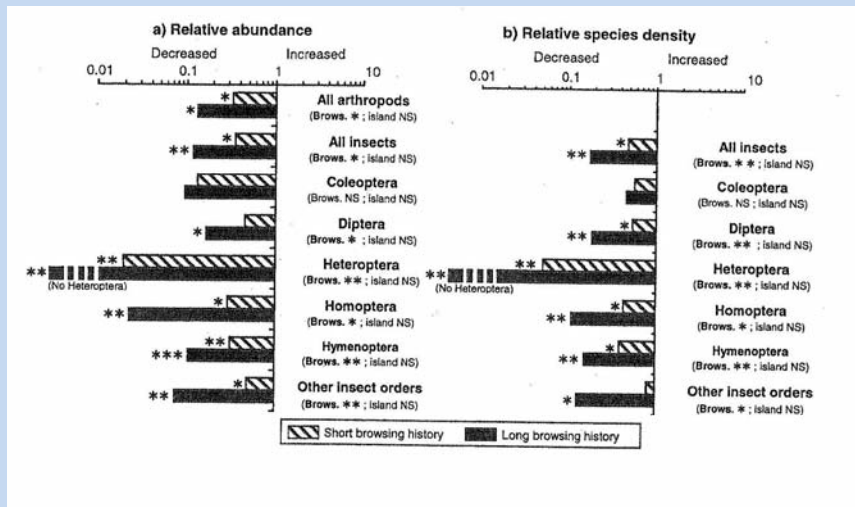
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Daten aus: Allombert et al. (2005)



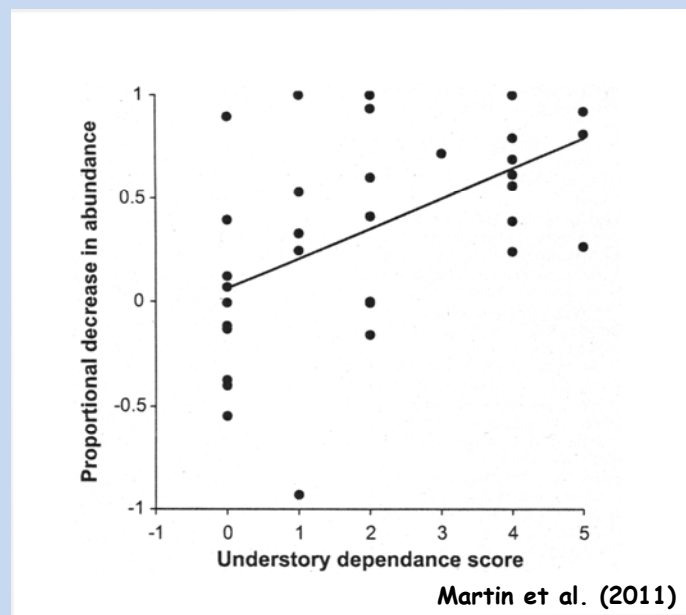
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Daten aus: Allombert et al. (2005)



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16/19

- „Overall, our results and those of others on native plants indicate that **high browsing pressure simplifies native plant and bird communities**, reduces bird species abundance, and facilitates the introduction of **exotic competitors**.“
- „Given the **mythical status of deer** and antipathy towards hunting by many humans, a general sense of stewardship for plant and bird communities will need to be developed alongside a **public awareness of the deleterious impacts of deer** ... At present however, deer in the San Juan and Gulf Island archipelago are **browsing down our natural heritage**. In the absence of active management, high browsing pressure by deer can be expected to result in **local extinction** of herbaceous flora as well as iconic island birds“

Martin et al. (2011), *Biol. Conservation* 144: 459–469


17/19

Fazit und Fragen

Unterschiedliche Bewertung der **Tierarten**

Folgen von **Wildverbiss** auf die **Biodiversität** sind feststell-, aber nicht bewertbar

Was soll geschützt werden, die Entwicklung des **Natur-** oder des **Kulturerbes**?

- Neozoa
 - Offenes System – Zuzug und externe Nahrungsquelle
 - Fehlende Carnivoren („landscape of fear“)
- „Kultur Natur sein lassen?“**
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18/19

