› SER Summer School

RESTORATION ECOLOGY 2009

Species introduction and management of biodiversity in restoration projects

University of Münster - Germany
29th of June - 3rd of July 2009

Organiser

Working Group Ecosystem Research | University of Münster/Germany

Westfälische Wilhelms-Universität Münster

Under the auspices of

Society for Ecological Restoration | European Chapter

SOCIETY FOR ECOLOGICAL RESTORATION
SER EUROPE

Photos

taken by
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› Welcome!
› SER Summer School
RESTORATION ECOLOGY 2009
Species introduction and management of biodiversity in restoration projects
EUROPE


What –and how- to restore?
• Valuation
• Level of ambition
• Targets


Restoration of flood-meadows on loamy
calcareous soils by haymaking


Introduction Hypotheses Case studies: Competition, Microsites, Endozoochory/Epizoochory Summary
Habitat isolation
Seed rain (LDD by wind)
Old dune fragment
Old dune fragment
Nitrogen-rich fields

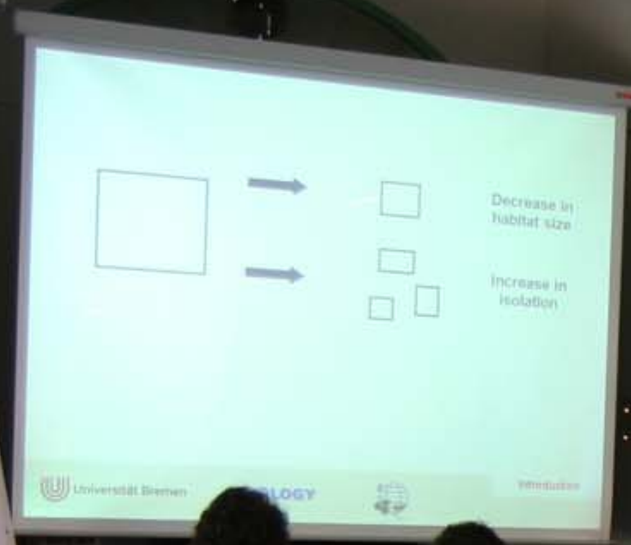

Das Naturschutzgebiet Düsterdieker Niederung


LAPLAND


Norbert Hörter


UMP UP
THE
OLUME


cibaria
wb
MS WU 1012


Decrease in habitat size
Increase in isolation
Universität Bremen
Introduction


THERE'S
PLACE
like
here


THERE'S
NO
PLACE


Long-distance dispersal in cultural landscapes – evidence from lignite mines
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Besucher


Besucher
Besucher

External eutrofication:
Eutrofication due to an increased external supply of nutrients.

Internal eutrofication :
Eutrofication due to an increased mobilisation of nutrients already present in a system (mainly in shallow waters with a peaty (organic) sediment.

4. Management impacts on nutrient stores

grazing

	N (%)	P (%)	K (%)
biomass	26.5	2.1	9.3
organic layer	n.a.	n.a.	n.a.
A-horizon	n.a.	n.a.	n.a.

sod-cutting

	N (%)	P (%)	K (%)
biomass	121.6	7.4	35.8
organic layer	934.5	38.1	51.2
A-horizon	626.5	30.6	166.6


Many thanks to...
• all the grasshoppers and butterflies for their co-operative behaviour
• you for your attention!
BOTSOC

Plant-animal interactions in restoration:

Pollination as a key process

NATURAL HISTORY MUSEUM

Dr Michael Kuhlmann


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sondermischung


Maite Fernández
Albert
ViO


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waves
6.9 19
36.2°c


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