

HOTSPOT 15/07:

BIODIVERSITÄT IN FEUCHTBIETEN – BIODIVERSITÉ DANS LES ZONES HUMIDES

LITERATUR / BIBLIOGRAPHIE

- Billeter R. & Diemer M. (2000): Effects of abandonment on *Tofieldia calyculata* (Liliaceae), a common, subdominant wetland species. Bulletin of the Geobotanical Institute ETH 66, 37-46.
- Billeter R., Hooftman D.A.P. & Diemer M. (2003a): Differential and reversible responses of common wetland species to abandonment. Applied Vegetation Science 6, 3-12.
- Billeter R., Schneller J. & Diemer M. (2002): Genetic diversity of *Carex davalliana* and *S. pratensis pratensis* in mown and abandoned fen meadows. Bulletin of the Geobotanical Institute ETH 68, 45-54.
- Chapman S., Buttler A., Francez A-J., Laggoun-Défarge F., Vasander H., Schloter M., Combe J., Grosvernier P., Harms H., Epron D., Gilbert D. and Mitchell E. (2003): Exploitation of northern peatlands and biodiversity maintenance: a conflict between economy and ecology. Frontiers in Ecology and the Environment 10 (1), 525-532.
- Clymo R.S., Turunen J., Tolonen K. (1998): Carbon accumulation in peatland. Oikos 81, 368-388.
- Diemer M., Billeter R., Hooftman D.A.P., Oetiker K. & Lienert J. (2005): Die lang-fristigen Auswirkungen von Nutzungsänderungen auf häufige Pflanzenarten montaner Kalkflachmoore in der Schweiz. Natur und Landschaft 80, 63-68.
- Diemer M., Oetiker K. & Billeter R. (2001): Abandonment alters community composition and canopy structure of calcareous fens – a survey of wetlands in NE Switzerland. Applied Vegetation Science 4, 237-246.
- EAFV Eidgenössische Anstalt für das forstliche Versuchswesen (Hrsg.) (1986): Die Hoch- und Übergangsmoore der Schweiz – eine Inventarauswertung. Berichte, Nr. 281. Birmensdorf.
- Gorham E. (1991): Northern peatlands: role in the carbon cycle and probable responses to climatic warming. Ecol Appl 1, 182-195.
- Grosvernier P., Matthey Y., Buttler A. (1995): Microclimate and physical properties of peat: new clues to the understanding of bog restoration processes. In: Robertson RA (Ed), Restoration of temperate wetlands. Chichester, UK: John Wiley & Sons., p 437-50.
- Hooftman D.A.P. & Diemer M. (2003): Effects of small habitat size and isolation on the population structure of common wetland species. Plant Biology. 4, 720-728.
- Hooftman D.A.P., Diemer M., Lienert J. & Schmid B. (1999): Does habitat fragmentation reduce the long-term survival of isolated populations of dominant plants? A field design. Bulletin of the Geobotanical Institute ETH. 65, 59-72.
- Hooftman D.A.P., van Kleunen M. & Diemer M. (2003): Effects of habitat fragmentation on the fitness of two common species. Oecologia 134, 350-359.

- Hooftman D.A.P., Billeter R.C., Schmid B. & Diemer M. (2004): Genetic effects of habitat fragmentation on common species of Swiss fen meadows. *Conservation Biology* 18, 1043-1051.
- Joosten H. and Clarke D. (2002): Wise Use of Mires and Peatlands. International Mire Conservation Group and International Peat Society.
- Lienert J. & Fischer M. (2004): Experimental inbreeding reduces seed production and germination independent of fragmentation of populations of *Swertia perennis*. *Basic and Applied Ecology* 5, 43-52.
- Lienert J. (2004): Habitat fragmentation effects on fitness of plant populations – a review. *Journal for Nature Conservation* 12, 53-72.
- Lienert J., Diemer M. & Schmid B. (2002): Effects of isolation distance and habitat area on population structure and fitness of a common fen species, *Swertia perennis* L. (Gentianaceae). *Basic and Applied Ecology* 3, 101-114.
- Lienert J., Fischer M. & Diemer M. (2002): Local extinctions of the wetland specialist *Swertia perennis* L. (Gentianaceae): a revisit study based on herbarium records. *Biological Conservation* 103, 65-76.
- Lienert J., Fischer M., Schneller J. & Diemer M. (2002): Isozyme variability of the wetland specialist *Swertia perennis* L. (Gentianaceae) in relation to size and isolation of populations, and to plant fitness. *American Journal of Botany* 89, 801-811.
- Manneville O. (éd.). (2006): Le monde des tourbières et des marais. Delachaux et Niestlé, Lausanne.
- Mitchell E.A.D., Buttler A., Grosvernier P., Rydin H., Siegenthaler A., Gobat J.M. (2002): Contrasted effects of increased N and CO₂ supply on two keystone species in peatland restoration and implications for global change. *Journal of Ecology* 90, 529-533.
- Pauli D. (2000): Flachmoore im Fokus der Wissenschaft. Flora und Vegetation der Iberger Klippenlandschaft. *Berichte der schwyzerischen naturforschenden Gesellschaft* 12, 83-95.
- Peintinger M., Bergamini A. & Schmid B. (2003): Species-area relationships and nestedness of four taxonomic groups in fragmented wetlands. *Basic and Applied Ecology* 4, 385-394.
- Samaritani E., Siegenthaler A., Yli-Petäys M., Buttler A., Christin P.-A., Mitchell E.A.D. Are *Sphagnum*-dominated regenerating cutover bogs carbon sinks or not? A study in the Swiss Jura Mountains with predictions of climate change impacts on the C balance (submitted).

1.2.2007 / dp