

Global Peatland Restoration

Manual

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Appendix: Catalogue of restoration activity

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Comments, additions, and ideas are very welcome to:

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The “*Catalogue of restoration activity*” is a list that provides basic information on a variety of restoration projects. It puts planned restoration projects into context with both previous and current projects.

Examples for peatland restoration activities in Africa

AFRICA

South Africa

Reversal of Land and Water Degradation Trends in the Lake Chad Basin

Working for Wetlands

<http://assets.panda.org/downloads/mrwworkingforwetlandscs.pdf>

Mondi Wetlands Project

<http://www.mondigroup.com/desktopdefault.aspx/tabid-1160/>

Working for Wetlands in Sanparks

<http://www.sanparks.org/projects/wetlands/wetlands.pdf>

Ntsikeni (Eastern Cape - Kok Stad)

Kromme River (Eastern Cape - Kareedouw en Humansdorp)

Agulhas (Western Cape - L'Agulhas)

Verlorenvlei (Western Cape - Piketberg)

Breede & Berg (Western Cape - Wolesley / Franshoek)

Seekoeivlei (Free State - Memel)

Upper Wilge / Braamhoek (Free State - Harrismith area)

Wakkerstroom (Mpumalanga - Wakkerstroom)

Lakenvlei (Mpumalanga - Dullstroom)

Leroro, Blyde (Mpumalanga - Graskop)

Draaikraal (Mpumalanga - Roosenekal)

Verlorenvallei (Mpumalanga - Dullstroom)

Save the Sand (Limpopo - Bushbuck Ridge)

Rietvlei (Gauteng - Irene)

Colbyn Valley (Gauteng - Pretoria)

Klipriver (Gauteng - Soweto)

KZN Midlands (KwaZulu-Natal - Howick)

Ntabahlope, Nyamvubu (KwaZulu-Natal - Drakensberg)

Maputaland (KwaZulu-Natal - Mkuze)

Lake Fundudzi (Limpopo, Punda Maria - Thohoyandou)

Bodibe (North West - Lichtenburg)

Dolomitic Eyes & Mafikeng (North West - Mafikeng)

Rustenburg-Waterkloof Spruit / Waterkloof (North West - Rustenburg)

drainage, peat cutting

rewetting by small gabions

D. Lindley

lindley@wetland.org.za

L. Padfield

lpadfield@wwf.org.za

B. Baronet

info@wetlands.org.za

catalyse wise use and rehabilitation of wetlands; training of wetland managers

restore and rehabilitate the wetlands in the parks

O. Jacobs

olgaj@sanparks.org

M. Snyders

MariusSn@sanparks.org

P.L. Grundling

Grundling@sanbi.org

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erosion, drainage

rewetting (earth plugs, concrete weirs)

erosion, drainage

rewetting (gabions and concrete weirs)

erosion, drainage

rewetting (gabions)

erosion, drainage

rewetting

erosion, drainage

rewetting

erosion, drainage

rewetting (gabions, concrete weirs)

erosion, drainage

rewetting (concrete chute)

erosion, drainage

rewetting (gabions, concrete weirs)

erosion, drainage

rewetting (gabions)

erosion, drainage

rewetting

erosion, drainage

rewetting (gabions)

erosion, drainage

rewetting (gabions)

erosion, drainage

rewetting (gabions)

erosion, drainage

rewetting (gabions, earth plugs, concrete weirs, furrows)

erosion, drainage

rewetting (gabions)

erosion, drainage

rewetting (gabions)

erosion, drainage

rewetting (gabions, earth plugs, concrete weirs, furrows)

erosion, drainage

rewetting (gabions, earth plugs, concrete weirs, chute)

erosion, drainage

rewetting (gabions, earth plugs)

erosion, drainage

rewetting fire resistant wall

erosion, drainage

rewetting (gabions, earth plugs, concrete weirs, furrows)

erosion, drainage

rewetting (gabions, earth plugs, furrows)

erosion, drainage

rewetting (gabions)

Examples for peatland restoration activities in America (1/3)

AMERICA

Canada

Peatland Ecology Research Group http://www.sanparks.org/projects/wetlands/wetlands.pdf	drainage, peat cutting		gret@plg.ulaval.ca
Restoring a peatland in its whole: Bois-des-Bel research station http://www.gret-perg.ulaval.ca/en_projets_05.html	drainage, peat cutting	rewetting (surface leveling, terracing, peat plugs) revegetation (spreading diaspores, mulching, fertilizing)	gret@plg.ulaval.ca
Restoration techniques and approaches http://www.gret-perg.ulaval.ca/en_projets_01.html	drainage, peat cutting	rewetting (plugging ditches) revegetation (spreading diaspores, nursery species, mulching)	gret@plg.ulaval.ca
Natural regeneration of mined peatlands http://www.gret-perg.ulaval.ca/en_projets_01.html	drainage, peat cutting	natural regeneration	gret@plg.ulaval.ca
Peatland Reclamation http://www.gret-perg.ulaval.ca/en_reclamation.html	drainage, peat cutting	reclamation (stabilizing surface, returning to useful purpose)	gret@plg.ulaval.ca
Sphagnum ecology and production of fibers http://www.gret-perg.ulaval.ca/en_projets_04.html	drainage, peat cutting	revegetaion (establishing Sphagnum carpets)	gret@plg.ulaval.ca
Peatland conservation strategy http://www.gret-perg.ulaval.ca/en_projets_03.html	drainage, peat cutting	research on plants, arthropods, birds, micro-mammals	gret@plg.ulaval.ca
Climate Changes and Peatlands http://www.gret-perg.ulaval.ca/en_carbone.html	.		gret@plg.ulaval.ca

USA

Comprehensive Everglades Restoration Plan (CERP) http://www.evergladesplan.org/index.cfm http://www.saltionsea.water.ca.gov/calendar/ac/03.16.2005/Everglades-1.pdf	.		webmaster@evergladesplan.org
C-43 Basin Storage Reservoir - Part 1 http://www.evergladesplan.org/pm/projects/proj_04_c43_basin_1.cfm	drainage	rewetting (constructing reservoir, providing additional water)	webmaster@evergladesplan.org
Lake Okeechobee Watershed http://www.evergladesplan.org/pm/projects/proj_01_lake_o_watershed.cfm	erosion, drainage, pollution	rewetting (constructing reservoirs, removing phosphor)	webmaster@evergladesplan.org
Indian River Lagoon - South http://www.evergladesplan.org/pm/projects/proj_07_irl_south.cfm	erosion, drainage	rewetting (constructing reservoirs, removing sediments)	webmaster@evergladesplan.org
North Palm Beach County - Part 1 http://www.evergladesplan.org/pm/projects/proj_17_npbc_1.cfm	erosion, drainage, pollution	rewetting (reducing high discharges, water treatment)	webmaster@evergladesplan.org
Acme Basin B Discharge http://www.evergladesplan.org/pm/projects/proj_38_acme.cfm	drainage	rewetting (constructing reservoir, providing additional water, reducing discharges)	webmaster@evergladesplan.org
Everglades Agricultural Area Storage Reservoirs - Phase 1 http://www.evergladesplan.org/pm/projects/proj_08_eaa_phase_1.cfm	drainage	capturing, storing and redistributing freshwater	webmaster@evergladesplan.org

Examples for peatland restoration activities in America (2/3)

AMERICA

USA

Picayune Strand (Southern Golden Gate Estates) Hydrologic Restoration

http://www.evergladesplan.org/pm/projects/proj_30_sgge.cfm

Lakes Park Restoration

http://www.evergladesplan.org/pm/projects/proj_94_lakes_park.cfm

Melaleuca Eradication and Other Exotic Plants

http://www.evergladesplan.org/pm/projects/proj_95_melaleuca.cfm

Winsberg Farm Wetland Restoration

http://www.evergladesplan.org/pm/projects/proj_91_winsberg.cfm

Site 1 Impoundment

http://www.evergladesplan.org/pm/projects/proj_40_site_1_impoundment.cfm

Broward County Water Preserve Areas

http://www.evergladesplan.org/pm/projects/proj_45_broward_wpa.cfm

L-30 Seepage Management Pilot

http://www.evergladesplan.org/pm/projects/proj_36_l31n_seepage.cfm

C-111 Spreader Canal

http://www.evergladesplan.org/pm/projects/proj_29_c111.cfm

Biscayne Bay Coastal Wetlands

http://www.evergladesplan.org/pm/projects/proj_28_biscayne_bay.cfm

Everglades construction project

<http://www.ce.utexas.edu/prof/maidment/grad/dugger/GLADES/glades.html>

Lake Okeechobee

<http://www.lakeokeechobee.org/content.php?section=restoration&page=restoration/shortcomings.html>

other projects in Florida

<http://www.saj.usace.army.mil/projects/index.html>

Modified water deliveries to everglades national park

<http://www.saj.usace.army.mil/dp/mwdenp-c111/index.htm>

Kissimmee river restoration project

<http://www.saj.usace.army.mil/dp/krr/index.htm>

Louisiana Coastal Area Ecosystem Restoration Study

<http://www.mvn.usace.army.mil/prj/lca/index.asp>

Mahoning River Ecological Restoration Project

<http://www.eastgatecog.org/env-mahoningriver.asp>

drainage	rewetting (spreading water, plugging canals, pump stations, reducing discharges)	webmaster@evergladesplan.org
invasive species	removing exotic plant species, creating flow-way marsh	webmaster@evergladesplan.org
invasive species	reducing unwanted plant species, mass rearing, biological agents	webmaster@evergladesplan.org
drainage, access	rewetting, connecting wetlands, regulating public access	webmaster@evergladesplan.org
drainage, pollution	rewetting (constructing reservoir, increasing water supply)	webmaster@evergladesplan.org
drainage, pollution	rewetting (constructing reservoirs, storing rainwater, reducing salt and nutrients)	webmaster@evergladesplan.org
loss of ground water	rewetting (constructing underground barrier)	webmaster@evergladesplan.org
erosion, drainage, pollution	restoring overland sheetflow, stormwater treatment area, spreading water	webmaster@evergladesplan.org
erosion, drainage, pollution	restoring overland sheetflow, stormwater treatment area, spreading water	webmaster@evergladesplan.org
erosion, pollution	stormwater treatment areas	webmaster@evergladesplan.org
pollution	reducing phosphor	webmaster@evergladesplan.org
		webmaster@evergladesplan.org
erosion, flooding	re-establishing historic flow-way	webmaster@evergladesplan.org
drainage	rewetting (enlarging canals, backfilling, excavating new channels, removing water control structures)	webmaster@evergladesplan.org
erosion, pollution	reducing nutrients and sediments, protecting shoreline, planting vegetation	webmaster@evergladesplan.org
pollution		webmaster@evergladesplan.org

Examples for peatland restoration activities in America (3/3) and Asia (1/2)

AMERICA

USA

Mahoning River, Ohio Environmental Dredging

<http://www.lrp.usace.army.mil/pm/mahonoh.htm>

pollution

webmaster@evergladesplan.org

Four Mile Run Restoration Project

<http://www.novaregion.org/DocumentView.asp?DID=268>

flood-related damage

webmaster@evergladesplan.org

Ocoquan Basin Nonpoint Pollution Management Program

<http://www.novaregion.org/index.asp?NID=410>

keep water quality

webmaster@evergladesplan.org

ASIA

China

Ruoergai Plateau

<http://www.globalpeatlands.net/gpi1/gpi1-8.html>

Ruoergai Plateau

<http://www.globalpeatlands.net/gpi2/gpi2-68.html>

Indonesia

Strapeat - Strategies for implementing sustainable management of peatlands in Borneo

<http://www.alterra-research.nl/pls/portal30/docs/folder/strapeat/strapeat/default.htm>
http://www.strapeat.alterra.nl/p_download.htm

drainage, fire, land clearance

datacollection

H. Wösten

j.h.m.wosten@alterra.wag-ur.nl

Restorpeat - Restoration of tropical peatland

http://www.restorpeat.alterra.wur.nl/p_download.htm

drainage, fire, land clearance

rewetting (blocking of channels, drains); promotion of fire awareness, fire prevention and fire suppression

J. Rieley

Jack.Rieley@nottingham.ac.uk

Climate Change, Forests and Peatlands in Indonesia (CCFPI)

<http://www.whc.org/EN/ourwork/indonesia.htm>

drainage, fire, land clearance

rewetting (blocking of canals)

Yus Rusila Noor

co_ccfpi@wetlands.or.id

Restoration of Orangutan habitats in the peatland forests of Indonesia

http://www.whc.org/documents/SERConfPaper_EdWiken_Sept2004Final.pdf

datacollection

E. Wiken

ewiken@whc.org

Peatland Fire Mitigation in Central Kalimantan

<http://www.globalpeatlands.net/gpi2/gpi2-61.html>

fire, smoke haze

fire fighting, fire prevention (awareness raising)

A. Dohong

Alue_dohong@hotmail.com

Water for Food & Ecosystems Programme

<http://www.waterfoodecosystems.nl/?page=1903>

B. Snellen

bart.snellen@wur.nl

Promoting the river basin and ecosystem approach for sustainable management of SE Asian lowland peat swamp forests: Case study Air Hitam Laut river basin, Jambi Province, Indonesia

<http://www.waterfoodecosystems.nl/docs/AirHitamLaut/Rehabilitation.PDF>

W. Giesen

Regeneration of fire degraded peat swamp forest in Berbak NP, Indonesia, and implementations in replanting programmes

W. Giesen

Examples for peatland restoration activities in Asia (2/2)

ASIA

Indonesia

Seed Dispersal Mechanisms In Ex Burnt Peatswamp Forest Of Berbak National Park, Jambi Province, Indonesia A Determination For Rehabilitation Programme

I. Gevers ingrid.gevers@wur.nl

<http://portals.wi.wur.nl/files/docs/File/wffae/SeedDispersalPeatswampForests-HIGH.pdf>

Central Kalimantan Peatlands Project (CKPP)

fire, smoke haze

fire prevention, restoration of the peatland hydrology (closing drainage canals to prevent drying of the peat soil), reduction of poverty through small scale developments and biodiversity conservation.

M. Silvius Marcel.Silvius@wetlands.org

<http://www.wetlands.org/news.aspx?ID=3ef70bb4-2cef-480e-922b-81a6e95807cb>

Peat fire prevention at the National Laboratory in Central Kalimantan

fire, smoke haze

establishing fire attack team

CIMTROP cimtrop_suwido@yahoo.com

<http://www.globalpeatlands.net/gpi2/gpi2-59.html>

Peatland Fire Mitigation in Berbak National Park and Surrounding Area, Jambi - Sumatera

fire, smoke haze

fire fighting, fire patrolling, awareness campaign

WI-Indonesia nyoman@wetlands.or.id

<http://www.globalpeatlands.net/gpi2/gpi2-60.html>

Peatland Fire Mitigation in Central Kalimantan

fire, smoke haze

fire fighting, fire patrolling, awareness campaign

WI-Indonesia nyoman@wetlands.or.id

<http://www.globalpeatlands.net/gpi2/gpi2-61.html>

Japan

Kushiro Wetland

http://www.kushiro.env.gr.jp/saisei/english/top_e.html

Takkobu area

<http://www.kushiro.env.gr.jp/saisei/shiryout/pamphlet/english/16-17.PDF>

Sri Lanka

Post Tsunami Restoration of Mangroves, Education and Re-establishment of Livelihoods

Restoration of mangroves; tree nurseries; sewage filtering system; Installation of 3 model farms for extensive and/or organic farming

http://www.globalnature.org/docs/02_vorlage.asp?id=23911&sp=E&m1=11089&m2=11103&m3=23911&m4=&domid=1011

Examples for peatland restoration activities in Europe (1/7)

EUROPE

Austria

The Wengermoor Project

http://www.salzburg.gv.at/wengermoor_allgemein.htm#Aktuell

Belarus

Restoration of hydrological regime and prevention of fires in hydrological Zakaznik “YELNIA”

<http://www.globalpeatlands.net/gpi1/gpi1-35.html>

drainage, fire

develop special proposals for improvement of the hydrological regime of bog territory and prevention of fires

V. Semenchenko

APB-minsk@mail.ru

The Sporovo mire, the Zvanets mire and the Dikoe mire

http://rbec.undp.org/WaterWiki/images/f/f/f/Management_Plans_prodoc.pdf

http://waterwiki.net/index.php/Belarus_-_Management_plans_for_key_biodiversity_areas

drainage, peat cutting, intensive land use

M. Vergeichik

APB-minsk@mail.ru

A. Kozulin

APB-minsk@mail.ru

Belgium

Actions for the valleys and turf moors of Croix Scaille

http://www.natagora.be/index.php?option=com_content&task=view&id=746&Itemid=39

Actions for the valleys and turf moors of Croix Scaille

http://www.stives-town.info/ouse_fen_nature_reserve.htm

Restoration of wetlands in Belgian Lorraine

J. Huysecom

rnob.bxl@skynet.be

Czech Republic

Sumava Peat Bogs

http://www.ramsar.org/ram/ram_rpt_44e.htm

drainage

Restoration of the hydrologic regime on Zofinka Peat Bog

http://www.wetlands.org/RSIS/_COP9Directory/Directory/3CZ006.html

drainage, genetical erosion of the Bog Pine

rewetting (constructing reservoirs, plugging canals); revegetation (establishing Sphagnum carpets)

L. Rektoris

rektoris@schkocr.cz

Restoration of the hydrologic regime on Cervene Blato Peat Bog

drainage, genetical erosion of the Bog Pine

rewetting (plugging canals), revegetation (establishing Sphagnum carpets)

L. Rektoris

rektoris@schkocr.cz

Danmark

Nature Park Project Aamosen-Tissö

<http://www.skovognatur.dk/Emne/Naturbeskyttelse/Naturpleje/Naturprojekter/Aamosen/Nyt>

drainage, mining, archaeological site

rewetting (river blocking)

C. H. Ovesen

helweg.ovesen@kalmus.dk

Estonia

Restoration and management of the Häädemeeste wetland complex

<http://www.luitemaa.eoy.ee/failid/highlights.ppt>

drainage

M. Kose

mati@linnu.tartu.ee

Finnland

Restoration of Active Raised Bogs, Aapa Mires and Bog Woodland

<http://www.metsantutkimuslaitos.fi/hanke/3408/index-en.htm>

drainage

A. Tolvanen

anne.tolvanen@metla.fi

Protection and usage of aapa mires a rich avifauna

drainage

K. Kinnunen

Kari.Kinnunen@vyh.fi

Examples for peatland restoration activities in Europe (2/7)

Germany

Regeneration of the "Rambower Moor" for protecting bittern (Botaurus stellaris)	drainage	rewetting (constructing weirs and dams, introduce water, providing access)	Heide Filoda	Heide.Filoda@lags.brandenburg.de
http://www.blu-js.de/projekte/rambowermoor/index.htm				
Optimierung des Vogelschutzgebiets "Moore und Heiden des westlichen Münsterlandes"				
http://bszwillbrock.de/fileadmin/life/				
Prackendorfer and Kulzer Moos	drainage		P. Hausbeck	
http://www.dieterskirchen.de/infrastruktur/sehenswertes/prack-moos/prack-moos.html				
Ecological Restoration of the lake "Galenbecker See"	drainage	rewetting (impounding); lake ecology (selective fishing, establishing water filter area)	A. Harter	Alexander.Harter@staunuem.mv-regierung.de
http://www.life-naturraumsanierung-galenbecker-see.de/				
Restoration of the Trebel valley	drainage	rewetting (damming ditches, natural flow path, removing dykes and water scoops)		
http://www.mv-regierung.de/staeun/stralsund_n/pages/abt2_eu_life_trebel.htm				
Restoration of the Recknitz valley	drainage	Restore natural flow path, construct dams		
http://www.mv-regierung.de/staeun/stralsund_n/pages/abt2_eu_life_recknitz.htm				
Blitzenreuter Seenplatte	drainage	rewetting (connecting wetlands by redirecting streams)	S. Harms	sabine.harms@landkreis-ravensburg.de
http://www.blitzenreute-seen.de/				
Re-waterlogging of the Hoher Moor (High Bog)	drainage		U. Langendorf	
Restoration of clear water lakes, mires and swamp forests of the Lake Stechlin	drainage			
Lehstsee-Niederung	drainage	rewetting (reducing depth of main drain, complete infilling of small ditches)	R. Mauersberger	Foerderverein_Uckermark.Seen@t-online.de
Moor am Wummsee	drainage	rewetting (blocking drains, partial infilling of ditches)		w.arp@limplan.de
Quellmoore in der Sernitz-Niederung	drainage	rewetting (blocking drains, partial infilling of ditches, complete infilling of small ditches)	I. Koska	koska@uni-greifswald.de
Altes Moor/Loben	drainage, peat cutting	rewetting (blocking drains, partial infilling of ditches)	Herr R. Bekker (Amt für Forstwirtschaft Doberlug-Kirchhain)	
Nuthe-Nieplitz-Niederung	drainage	rewetting (opening dykes, blocking drains, removing of drainage pipes)	P. Koch (Landschaftsförderverein Nuthe-Nieplitz-Niederung e.V.)	
Großes Postluch/Ganz	drainage	rewetting (blocking drains)	A. Ewert (Landkreis Ostprignitz-Ruppin)	
Oelsiger Luch	drainage	rewetting (blocking drains, encouraging beaver)	Lehmann (Naturschutzverein Elsteraue/Falkenberg)	
Havelländisches Luch	drainage	rewetting (changing water regulation)	T. Langgemach (Staatliche Vogelschutzwarte Buckow)	
selected restoration projects in Bavaria				
http://www.wagner-ugau.de/data/moore/_docs/projekte.pdf				
selected restoration projects in Brandenburg				
http://www.mlur.brandenburg.de/cms/media.php/2320/luabd50a.pdf				
			L. Landgraf	lukas.landgraf@lua.brandenburg.de

Examples for peatland restoration activities in Europe (3/7)

Greece

Restoration of the Nestos ponds

drainage, peat
cutting, intensive
land use

rewetting (blocking ditches,
reconstructing stream)

<http://www.livingwetlands.de/index.php?navig=home/navig.php&cont=home/cont.php>

Implementation of Management Plans in Gramos and Radopi Areas

ARCTUROS

Actions for the protection of the calcareous bog fens

T. Koussouris

Study of the abiotic and biotic parameters of the drained Mouria Lake (SW Greece) with the aim of re-flooding

drainage

rewetting in pilot
scale (constructing
small pond with
peripheral dams
and islands inside,
controlled entry of
water by pipe,
human access)

K. Christanis

christan@upatras.gr

Italy

Biodiversity of Iseo peat-bog: conservation and management

C. Andreis

Latvia

Measures to ensure the nature conservation management of Teici Area

<http://www.teici.gov.lv/Life/>

Measures to ensure the nature conservation management of Teici Area

J. Jatnieks

Implementation of Mire Habitat Management Plan

http://www.ldf.lv/pub/?doc_id=28164

vilcene@lanet.lv

Lithuania

Pusčia peat bog and others

<http://www.mna.hkr.se/~ene02p10/ngo.htm>

Netherlands

Restoration programme of the Fochteloërveen raised bog

A. Stoker

a.stoker@natuurmonumenten.nl

Peat bog restoration programme of the Korenburgerveen

A. Stoker

a.stoker@natuurmonumenten.nl

http://www.natuurmonumenten.nl/natmm-internet/natmm-internet/natuurherstel_in_nederland/korenburgerveen/home.htm;jsessionid=34995A1760716632060BC524BA2BFA9C

Restoration and demonstration project pSCI "De Wieden and De Weerribben"

drainage

rewetting
(reflooding,
filtering water);
management
(burning, mowing,
grazing (water
buffalo)); access
regulation

A. Stoker

a.stoker@natuurmonumenten.nl

Examples for peatland restoration activities in Europe (4/7)

Ireland

Raised bog restoration

<http://www.raisedbogrestoration.ie>

NGOs

Fenor Bog / Waterford	Rewetting and restoration of secondary fen; reduction of nutrient input	Ditch blocking; tree removal by hand	bogs@ipcc.ie
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Lodge Bog / Kildare	Rewetting of drained bog surface	Ditch blocking; tree removal by hand	bogs@ipcc.ie
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Blackditch Wood / Wicklow	Restore natural habitats	Reprofiling drains; tree removal by hand	bogs@ipcc.ie
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Private			bogs@ipcc.ie
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Ardkill / Kildare	Rewetting of drained bog surface	Ditch blocking; tree removal by hand	bogs@ipcc.ie
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Kilcolman / Cork	Control of water levels	Sluice installation	bogs@ipcc.ie
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NPWS

Ballykenney / Longford	Rewetting of drained bog surface	Ditch blocking	www.npws.ie
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Bellanagare / Roscommon	Restore surface flushes	Ditch blocking	www.npws.ie
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Carrigower / Wicklow	Rewetting of drained bog surface	Ditch blocking	www.npws.ie
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Carrowbehy / Roscommon	Rewetting of drained bog surface	Ditch blocking	www.npws.ie
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Clara / Offaly	Rewetting of drained bog surface	Ditch blocking; peat dams	www.npws.ie
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Clara / Offaly	Restoration of Shanley's Lough	Digging out peat; creation of open water	www.npws.ie
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Clonfinane / Tipperary	Restore bog after drainage and machine cutting	Ditch blocking	www.npws.ie
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Fisherstown / Longford	Rewetting of drained bog surface	Ditch blocking	www.npws.ie
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Gariskill / Westmeath	Rewetting of drained bog surface	Ditch blocking	www.npws.ie
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Girley / Meath	Rewetting of drained bog surface	Ditch blocking	www.npws.ie
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Kippure / Wicklow	Rewetting of drained bog surface	Ditch blocking	www.npws.ie
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Lisnageeragh / Galway	Restore soak and natural drainage features	Ditch blocking	www.npws.ie
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Mongan / Offaly	Rewetting of drained bog surface	Ditch blocking	www.npws.ie
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Moyclare / Offaly	Rewetting of drained bog surface	Ditch blocking	www.npws.ie
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Raheenmore / Offaly	Rewetting of bog edges	Construction of surface peat dams	www.npws.ie
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Sharavogue / Offaly	Restoration of lagg	Ditch blocking	www.npws.ie
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Bord na Mona

Corlea / Longford	Preservation of wooden trackway	Bunding of bog remnant, lagoon creation	www.bnm.ie
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Blackwater / Offaly	Creation of wetlands and dryland habitats	Ditch blocking	www.bnm.ie
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Clongawney / Offaly	Creation of wetlands and dryland habitats	Ditch blocking	www.bnm.ie
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Drinagh / Offaly	Creation of wetlands and dryland habitats	Ditch blocking	www.bnm.ie
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Lullymore / Kildare	Creation of rich fen and poor fen	Blocking main outfalls	www.bnm.ie
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Lullymore / Kildare	Rewetting of drained bog surface	Ditch blocking	www.bnm.ie
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Turraun / Offaly	Creation of wetlands and dryland habitats	Ditch blocking; bunding	www.bnm.ie
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O'Boyle's Bog / Mayo	Rewetting of drained bog surface	Intensive drain blocking	www.bnm.ie
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Oweninny Bogs / Mayo	Rewetting of drained bog surface	Intensive drain blocking, pool creation	www.bnm.ie
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Coillte

Northern Ireland			www.ehsni.gov.uk
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Ballynahone / Derry	Rewetting of drained bog surface	Drain blocking	www.ehsni.gov.uk
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Black Bog / Tyrone	Rewetting of drained bog surface	drain blocking	www.ehsni.gov.uk
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Brackagh / Armagh	Reduction of water loss and nutrient input	Water diversion, bunding	www.ehsni.gov.uk
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Lough Naman / Fermanagh	Restoration of drained bog surface	Ditch blocking	www.ehsni.gov.uk
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Peatlands Park / Armagh	Restoration of drained bog surface	Ditch blocking, surface levelling	www.ehsni.gov.uk
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Examples for peatland restoration activities in Europe (5/7)

Poland

Conservation and restoration of Baltic Bogs in Pomerania http://www.lkp.org.pl/	drainage	rewetting (blocking or infilling ditches), remove invasive birch and pine trees, raised bog management (top soil removal and <i>Sphagnum</i> transplantation), 23 sites	R. Stańko	lkp@lkp.org.pl
Conservation of wetland ecosystems on Całowanie Peatland http://cmok.free.ngo.pl/en/ar2_en.html	drainage, land abandonment	rewetting (ditch blocking), mowing and shrub removal, experimental top soil removal with hay spreading	K. Brzezińska	brzezinska.kamila@wp.pl
Conservation of Karsiborska Kępa reserve http://www.otop.org.pl/strona/dzialy/rezerwaty/index.php?poddzial=kepa&menu	land abandonment, reed plantations, decreasing of salt concentration in soil	water management (introduce salty river water into the area), maintain saline vegetation (reed removal, mowing and grazing), maintain and increase populations of aquatic warbler and other wetland birds	P. Jabłoński	pawel.jablonski@otop.org.pl
Restoration of swampy Narew valley between Żółtki and Rzędziany http://greenhorizon.rec.org/archive/GH-1.3.pdf#search=%22ochrymiuk%20euronatur%22	chanalized riverbed	riverbed restoration (damming the artificial straight riverbed to redirect water to natural riverbeds)	Ochrymiuk, D.	ochrymiuk@op.pl
Active protection of wetland ecosystems in Dolina Ślupi Landscape Park http://www.dolinaslupi.pl/index_.php?m=10d&czynnaochrona1&lang=pl	drainage of soligenous fens, spring mires, bogs	rewetting (180 waterlocks), vegetation management (mowing, grazing - encouraging wild animals to visit focal sites by salt licks)	B. Utracka-Minko	butracka@dolinaslupi.pl
Water regime restoration at Biebrza National Park http://www.biebrza.org.pl/ang/ochrona/index.html	drainage	rewetting (wooden weirs and stone-fascine weirs)	Biebrza NP	biebrza@biebrza.org.pl

Romania

Conservation of the Natural Wet Habitat "The Bogs of Satchinez"			A. Ladislau	root@apm-tm.sorostm.ro
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Switzerland

Decken- und Hanghochmoore Sortel/Althuser (BE). 2003.	sports activity (skiing)	rewetting (blocking drains) and displacement of skiing track	R. Keller	ruedi.keller@vol.be.ch
Hochmoor-Regenerationsprojekte. Kanton Bern. 1990-2006.	drainage, peat cutting	rewetting (blocking drains with wooden fences and peat dams with overflow, complete infilling of ditches with peat, water regulation)	R. Keller	ruedi.keller@vol.be.ch
Ökologische Ersatzmassnahmen für eine Erdgashochdruckleitung. 2004.	construction of a gas pipeline	restoration of the original hydrology by constructing a dam of clay	R. Keller	ruedi.keller@vol.be.ch
Moorregeneration und Besucherlenkung im Naturschutzgebiet Steinmösli (BE). 1996.	erosion	controlling waterflow (by a network of dams based upon a stringfens as a model), bioengineering techniques	Ph. Grosvernier	ph.grosvernier@lineco.ch
Moorregeneration im Gross Moos (GL). 1999.	drainage	rewetting (blocking large drains with wooden fences, complete infilling of ditches with sawdust)	A. Grünig	Andreas.Gruenig@fal.admin.ch
Aufhebung Moorentnahmestelle und Moorrevitalisierung, St-Moritz (GR). 2003. http://www.umwelt-graubuenden.ch/media/ski-wm2003_wwf.pdf	drainage, peat cutting	rewetting	J. Hartmann	josef.hartmann@anu.gr.ch
Régénération des hauts-marais des Franches-Montagnes (JU). 1993-2006.	drainage, peat cutting	rewetting (blocking drains with wooden fences and peat dams with overflow, removing of drainage pipes)	L. Gogniat	laurent.gogniat@jura.ch
Schiessplatz Wälgiseichnubel (LU). Konzept zur Regeneration der Schadstellen. 1995.	drainage, damage by military	rewetting (blocking drains with wooden fences, complete infilling of ditches with peat)	E. Suter	suter@oekonsult.com
Regeneration von Hochmooren im Kanton Luzern. 1995 - 2001.	drainage	rewetting (blocking drains, complete infilling of ditches, water regulation)	T. Stirnimann	thomas.stirnimann@lu.ch

Régénération des hauts-marais des montagnes neuchâteloises (NE). http://www.bureau-ecoconseil.ch/	drainage, peat cutting	rewetting (blocking drains with wooden fences, complete infilling of ditches with sawdust, removing of drainage pipes)	Y. Matthey	yvan.matthey@bureau-ecoconseil.ch
Die Regeneration des Hochmoores Turbenriet - Gamperfin (SG). 1988.	drainage	rewetting (blocking drains, complete infilling of ditches with peat), removing of terrain	M. Schneebeili	schneebeili@slf.ch
Hochmoor-Regenerationsprojekte im Kanton Schwyz. 2006.	drainage	rewetting (blocking drains, complete infilling of ditches with sawdust or peat, water regulation)	http://www.pronatura.ch/sz	
Flachmoor-Regenerationsprojekte Addi und Cadagno di dentro (TI). 2002-2004.	drainage	rewetting (blocking drains with wooden fences, complete infilling of ditches)	F. Conceprio	fabrizio.ldm@bluewin.ch
Hochmoor-Regenerationsprojekte. Kanton Zug. 1995-2006. http://www.beckstaubli.ch/	drainage	rewetting (blocking drains, complete infilling of ditches with sawdust or peat, water regulation)	P. Staubli	peter.staubli@beckstaubli.ch
Kanton Zürich. Hochmoor-Regenerationsprogramm. 1997-2006. http://www.naturschutz.zh.ch/internet/bd/aln/ns/de/druckdownloa.SubContainerList.SubContainer4.ContentContainerList.0040.DownloadFile.pdf?CFC_cK=1160779024375	drainage	rewetting (blocking drains with wooden fences or plates, or with plastic foil, complete infilling of ditches with peat or clay, water regulation by metallic weir)	U. Kuhn	urs.kuhn@bd.zh.ch
Bodenabtrag zur Schaffung von Ried- und Magerwiesen. 1980-2005. http://www.naturschutz.zh.ch/internet/bd/aln/ns/de/druckdownloa.SubContainerList.SubContainer4.ContentContainerList.0043.DownloadFile.pdf?CFC_cK=1161864221601	loss of biodiversity	removing of topsoil	U. Kuhn	urs.kuhn@bd.zh.ch
Torfbörse: Weg zur sinnvollen Wiederverwendung von Torf für Regenerationsprojekte http://www.kvu.ch/d_kvz_projekte.cfm?Projects.Command=details&get=145	peat cutting	"stock exchange" for the re-use, for regeneration projects, of peat that must be extracted for any kind of purposes	P. Staubli	peter.staubli@beckstaubli.ch
various projects in Switzerland http://www.wsl.ch/land/inventory/mireprot/besmos/projekte/projektbeschreibung-de.ehtml				
Slowakia				
Peatbogs in Triglav National Park http://www.natura2000.gov.si/index.php?id=154&L=1&tx_ttnews%5Btt_news%5D=84&tx_ttnews%5BbackPid%5D=4&cHash=ad1c208213			J. Dobravec	jurij.dobravec@tnp.gov.si
Spain				
Restoration of the lagunas (La nava and Boada) http://www.bicon-ag.com/gewaesser/Manual_GNF_d.pdf http://www.globalnature.org/bausteine.net/file/showfile.aspx?downaid=5756&sp=E&domid=1011&fd=2	drainage, pollution	rewetting (reflooding, filtering)		info@globalnature.org
Habitats restoration surrounding Tablas de Damiel N.P.			A.R. del Portal	alberto.ruiz@gvsf.mma.es
SCI Parga-Ladra-Támoga: recovery of bog woodland and dystrophic lake			F. C. Pardo	inludes@igatel.igape.es
Sweden				
Rich fens - restoring and maintaining biodiversity http://www.naturvarskedjan.slu.se/documents/programplan.pdf			K. Malson	Kalle.Malson@ebc.uu.se

UK	Restoration of Scottish raised bogs (Life) http://www.eastdunbarton.gov.uk/Web%20Site/Live/EDWebLive.nsf/40841fd2fca11fe280256a5b0047a5ff9a79bab6368540c480256f270033e819/\$FILE/HAP%20h%20Raised%20Bogs.pdf		
	Restoration of Scottish raised bogs (Life) http://www.lifepeatlandsproject.com/	N. Wilkie	lifepp@rspb.org.uk
	New Forest LIFE III Wetlands Project (Sluffers Bog) http://www.newforestlife.org.uk/life3/life3index.htm		enquiries@newforestlife.org.uk
	Sustainable Wetland Restoration in the New Forest (LIFE 3) http://www.eurosite-nature.org/IMG/pdf/031_sustainable_wetland_restoration.pdf		
	Cumbria Wildlife Trust (Foulshaw Moss) http://www.wildlifetrust.org.uk/cumbria/Reserves/Foulshaw%20Moss.htm		mail@cumbriawildlifetrust.org.uk
	Northtumberland Wildlife Trust (Border Mires) http://www.jncc.gov.uk/ProtectedSites/SACselection/sac.asp?EUCode=UK0012923	G. Thompsonare D. Hutt	gill.thompson@nnpa.org.uk duncan.hutt@northwt.org.uk
	The marsh fritillary butterfly in the Avalon Marshes, Somerset http://www.english-nature.org.uk/pubs/publication/pub_results.asp?C=0&K=The+marsh+fritillary+buttefly&K2=&I=&A=&Submit1=Search		
	Moors for the Future (Peak District) http://www.moorsforthefuture.org.uk/mftf/main/Home.htm		
	South Pennines (Peak District) http://www.env.leeds.ac.uk/~mreed/sustainableuplands/Holden%20et%20al%20(2005)%20Geophysical%20Research%20Abstracts%207,%2000796.pdf		
	Moors for the Future (Peak District) http://www.moorsforthefuture.org.uk/mftf/downloads/publications/MFF_researchnote2_gullyblocking.pdf		
	LIFE Project (Mid-Cornwall Moors) http://www.midcornwallmoors.org.uk/about/		midcornwallmoors@english-nature.org.uk
	(Glasson Moss)	English nature	
	(Drumburgh Moss)	English nature	
	Wicken Fen National Nature Reserve http://www.wicken.org.uk/		
	Somerset Levels and Moors Project http://somerselevels.com/		
	Bittern II http://www.broads-authority.gov.uk/projects/bittern-ii.html	wetland creation (reed-bed creation, shallow lagoons)	
	Barton Broad http://www.broads-authority.gov.uk/projects/barton-broad.html	water pollution removing nutrients (chemical treatment, filtering, diverting, sedimenting); biomanipulation (electric fishing, fish proof curtains)	
	Restoring active blanket bog of European importance in North Scotland	S. Housden	
	Restoration of Scottish raised bogs http://www.imcg.net/imcgnl/nl0104/kap16.htm	D. Barlow	dbarlow@swt.org.uk
	Various Projects http://www.english-nature.org.uk/pubs/publication/PDF/RisleyMossWkshp.pdf		

Examples for peatland restoration activities in Australia and New Zealand

AUSTRALIA AND NEW ZEALAND

Australia

Wetland Care Australia

<http://www.wetlandcare.com.au/>

Kooragang Wetland Rehabilitation Project (KWRP)

drainage

rewetting (removing culverts and floodgates); restore vegetation; creating intertidal saltmarsh; creating inter-tidal lagoons; rewetting (removing floodgates)

J. Winam

Jennie.Whinam@dpiwe.tas.gov.au

Hexham Swamp Rehabilitation Project

drainage, water kept outside

Kosciuszko National Park, New South Wales

2003 bushfire across Australian Alps

Rewetting by blocking drains, restoration of *Sphagnum* moss (using shade, moss divots, fertiliser)

J. Whinam

hcr@cma.nsw.gov.au

Jennie.Whinam@dpiwe.tas.gov.au

<http://www.blackwell-synergy.com/doi/abs/10.1111/j.1442-8903.2005.239-2.x>

G. Hope

Geoffrey.Hope@anu.edu.au

Namadgi National Park, Australian Capital Territory

2003 bushfire across Australian Alps

Rewetting by blocking drains, restoration of *Sphagnum* moss (using shade, moss divots, fertiliser)

J. Whinam

Jennie.Whinam@dpiwe.tas.gov.au

<http://www.nrm.gov.au/projects/act/2006-10.html>

G. Hope

Geoffrey.Hope@anu.edu.au

New Zealand

Overview about New Zealands Wetlands

<http://www.doc.govt.nz/templates/summary.aspx?id=33685>

B. Clarkson

ClarksonB@LandcareResearch.co.nz

Bullock Creek fen

Drainage, dryland plant invasion

Rewetting by blocking drains

L. Schipper

SchipperL@LandcareResearch.co.nz

Dunearn and Taramoa Bogs

drainage

Rewetting by blocking drains

B. Sorrell

b.sorrell@niwa.co.nz

<http://www.envirosouth.govt.nz/Documents/Environmental%20Information/Plans%20and%20Reports/Environmental%20Monitoring%202003-04.pdf>

R. Clayton

rclayton@doc.govt.nz

Dunearn peat bog...

<http://cber.bio.waikato.ac.nz/images/CBER26.pdf>

M. White; Environment Southland

Recreating rare restiad peatlands

System removed by agricultural development

Reintroduction of restiad bog community

M. Peters

monica.peters@landcare.org.nz

<http://www.landcareresearch.co.nz/research/biocons/restoration/wetlands.asp>

Torehape peat mine restoration

Mining, drainage

Revegetation (Restionaceae), invertebrate recovery

B. Clarkson

ClarksonB@LandcareResearch.co.nz

<http://www.landcareresearch.co.nz/publications/newsletters/tetaiao/TeTaiaoIssue1.pdf>

Whangamarino Wetland

<http://www.ew.govt.nz/enviroinfo/water/wetlands/casestudies/whangamarino.htm>

Drainage, invasive species

Rewetting by rock rubble weir, pest and weed control

R. Kelleher

rkelleher@doc.govt.nz

Waikato's Winning Wetlands

<http://www.ew.govt.nz/enviroinfo/water/wetlands/casestudies/winningwetlands.htm>

Willows Conceal Flax Wetland

<http://www.ew.govt.nz/enviroinfo/water/wetlands/casestudies/waitoa.htm>

