

Supplementary Materials

Table S1: Main occurrences of ombrotrophic (grey) and minerotrophic (white) hydromorphic mire massif types in the various mire regions of Europe (from [27]). C = characteristic type, x = additional.

Mire type	Percolation bog	Rim raised bog	Sloping fen	String-flark fen and mixed mire	Palsa mire	Tundra seepage & polygon mire	Blanket bog	Atlantic raised bog	Typical raised bog	Wooded raised bog	Plane bog	Percolation fen	Flat fen & marsh
Mire region													
Colchis mire region	C												x
Northern fen region		x	C	C			x				x	x	x
Palsa mire region				x	C								x
Arctic seepage and polygon mire region					x	C							x
Atlantic bog region							C	C			x		x
Typical raised bog region									C	C	x		x
Continental fen and bog region										C	x	x	x
Nemoral-sub-meridional fen region											x	x	C
Southern European marsh region													C
Central and southern European mountain compound region			x								x	x	C

Table S2. List of CORINE land cover classes regarded as indicating peatland degradation. There are more classes containing degraded peatlands, but not exclusively and in unknown proportion to the peatland areas contained that are not degraded.

Code	Name
1,230,000,077,255, 111	Continuous urban fabric
2,255,000,000,255, 112	Discontinuous urban fabric
3,204,077,242,255, 121	Industrial or commercial units
4,204,000,000,255, 122	Road and rail networks and associated land
5,230,204,204,255, 123	Port areas
6,230,204,230,255, 124	Airports
7,166,000,204,255, 131	Mineral extraction sites
8,166,077,000,255, 132	Dump sites
9,255,077,255, 255,133	Construction sites
10,255,166,255,255,141	Green urban areas
11,255,230,255,255,142	Sport and leisure facilities
12,255,255,168,255,211	Non-irrigated arable land
13,255,255,000,255,212	Permanently irrigated land
14,230,230,000,255,213	Rice fields
15,230,128,000,255,221	Vineyards
16,242,166,077,255,222	Fruit trees and berry plantations
17,230,166,000,255,223	Olive groves
18,230,230,077,255,231	Pastures
19,255,230,166,255,241	Annual crops associated with permanent crops
20,255,230,077,255,242	Complex cultivation patterns
21,230,204,077,255,243	Land principally occupied by agriculture with significant areas of natural vegetation
22,242,204,166,255,244	Agro-forestry areas

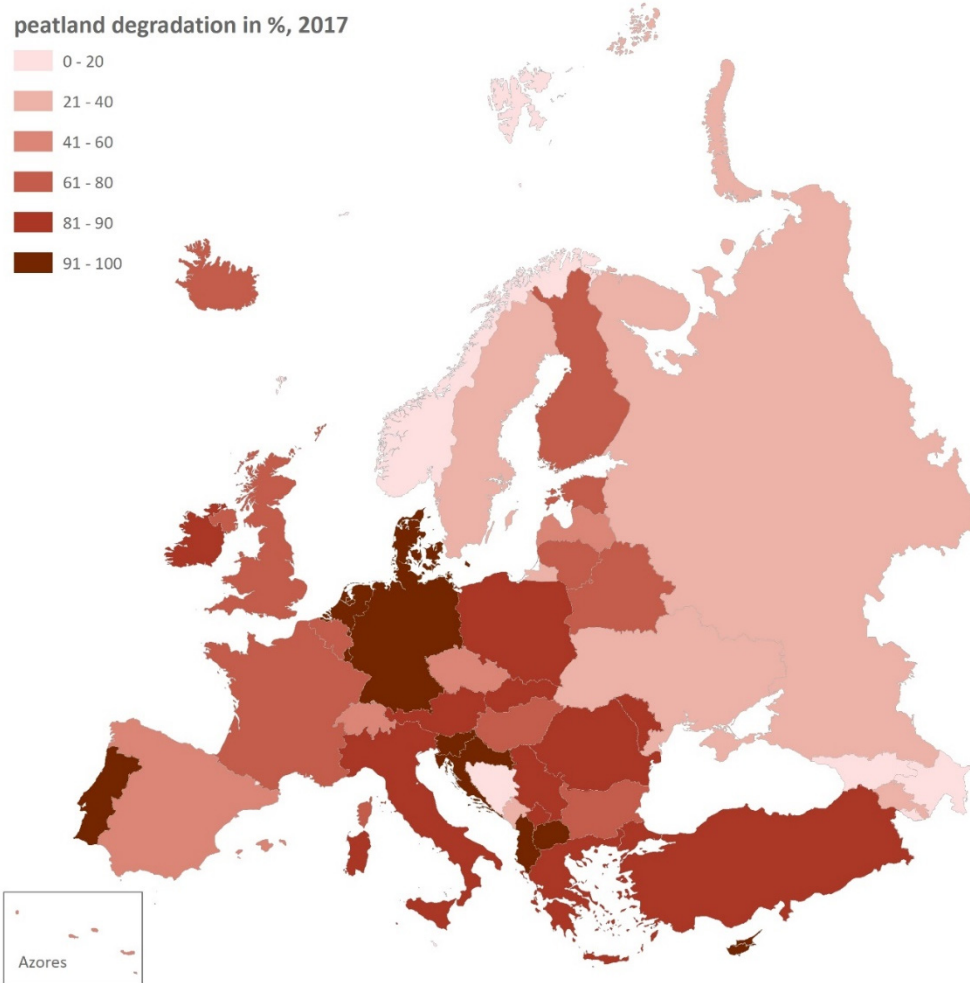


Figure S1. Proportion (%) of degraded peatlands per country (from [18]). For Finland, Norway, Sweden, and European Russia, we assumed higher degradation in southern mire regions. Finland: (II) 25%, (III) 55%, (IV) 70%, (VII) 75%; Norway (II) 10%, (III) 14%, (IV) 17%, V 35%; Sweden (II) 15%, (III) 20%, (IV) 25%, (V) 35%, (VII) 40%; Russia (I) 1%, (II) 5%, (III) 5%, (IV) 20%, (VI) 30%, (IX) 60%.

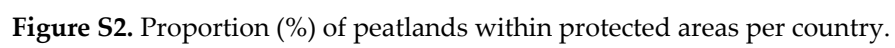


Figure S2. Proportion (%) of peatlands within protected areas per country.