Supplementary Material

Ecology and Genetics of Cyperus fuscus in Central Europe—A Model for Ephemeral Wetland Plant Research and Conservation

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Table S1. Localities with *Cyperus fuscus* selected for complex study, including soil seed bank and genetic analyses. Localities belonging to the three habitat types (rivers: R1–R11; fishponds: F1–F10; fish storage ponds: S1–S10) are the same as those used in Böckelmann et al. [27,28]. In addition, a fish rearing pond (RP) and an old quarry (Q) were also included for cultivation of seeds from the soil. Unless stated otherwise, three relevés were collected in all localities. Full names of collectors: JB, Jörg Böckelmann; KB, Kateřina Bubíková; ZH, Zdenka Hroudová; ZK, Zygmunt Kącki; PK, Pavel Kúr; SP, Soňa Píšová; KŠ, Kateřina Šumberová; KT, Karin Tremetsberger. Vouchers are on deposit at the herbarium of the University of Natural Resources and Life Sciences, Vienna (WHB).

Localities included in [27,28], used for phenotypic analysis (selection of sites [27]), genetic analysis [28], cultivation of seeds from the soil (except S2), and vegetation analysis (sampling of the relevés)	
Rivers	
R1	Poland, Lubusz Province, Zielona Góra County, artificial side pool of river Odra/Oder, Cigacice, 52.03138° N, 15.61098° E, 51 m, JB, ZK, PK, KŠ, 3.10.2012, WHB 62955
R2	Poland, Lower Silesia Province, Głogów County, branch of river Odra/Oder, E of Borków, 51.67462° N, 16.20398° E, 75 m, JB, ZK, PK, KŠ, 2.10.2012, WHB 62973
R3	Czech Republic, Ústí nad Labem Region, Děčín district, artificial basin of river Labe/Elbe, Nebočady, 50.72945° N, 14.18703° E, 127 m, JB, ZH, SP, KŠ, 13.9.2012, WHB 62978
R4	Czech Republic, Central Bohemian Region, Prague-East district, partly disturbed shoreline of river Labe/Elbe, Záryby, 50.22383° N, 14.62862° E, 165 m, JB, ZH, PK, SP, KŠ, KT, 21.8.2012, WHB 62957
R5	Czech Republic, South Moravian Region, Břeclav district, river Svratka, Velké Němčice, 48.98427° N, 16.66490° E, 179 m, JB, KŠ, KT, 11.9.2012, WHB 62979
R6	Czech Republic, South Moravian Region, Břeclav district, oxbow of river Morava/March, SE of Moravská Nová Ves, 48.78465° N, 17.07988° E, 159 m, JB, KŠ, KT, 11.9.2012, WHB 62980
R7	Czech Republic, South Moravian Region, Břeclav district, river Dyje/Thaya, W of Lanžhot, 48.71183° N, 16.90282° E, 153 m, JB, KŠ, KT, 10.9.2012, WHB 62982
R8	Czech Republic, South Moravian Region, Břeclav district, oxbow of river Dyje/Thaya, SW of Lanžhot, 48.67257° N, 16.92403° E, 153 m, JB, KŠ, KT, 10.9.2012, WHB 62981

R9 Slovakia, Bratislava Region, Malacky district, oxbow of river Morava/March, SW of Vysoká pri Morave, 48.31232° N, 16.90373° E, 148 m, JB, PK, KŠ, 4.10.2012, WHB 62972

R10 Austria, Lower Austria, Gänserndorf district, branch of river Morava/March, E of Markthof, 48.19142° N, 16.97170° E, 136 m, JB, PK, KŠ, 19.9.2012, WHB 62974

R11 Austria, Lower Austria, Tulln district, Traisen canal, NE of Preuwitz, 48.37075° N, 15.83806° E, 182 m, JB, 18.9.2012, WHB 62956

Fishponds

F1 Czech Republic, Liberec Region, Česká Lípa district, fishpond Novozámecký, Zahrádky, 50.62812° N, 14.54325° E, 251 m, JB, KŠ, KT, 10.7.2012, WHB 62967, 62968

F2 Czech Republic, Central Bohemian Region, Benešov district, fishpond Horní Petrovický, Petrovice, 49.71832° N, 14.65050° E, 404 m, JB, ZH, KŠ, KT, 11.7.2012, WHB 62965, 62966

F3 Czech Republic, Central Bohemian Region, Benešov district, fishpond Libohošťský, Libohošť, 49.70095° N, 14.58997° E, 376 m, JB, KŠ, KT, 11.7.2012, WHB 62964

F4 Czech Republic, Central Bohemian Region, Benešov district, fishpond Velký Sedlečský, Sedlečko, 49.69357° N, 14.53485° E, 445 m, JB, KB, 27.7.2012, WHB 62994

F5 Czech Republic, Central Bohemian Region, Příbram district, fishpond Dolní Solopyský, Solopysky, 49.65362° N, 14.38492° E, 381 m, JB, KB, 2.8.2012, WHB 62992

F6 Czech Republic, South Bohemian Region, Strakonice district, fishpond Pýcha, S of Skaličany, 49.43463° N, 13.91165° E, 442 m, JB, KB, 24.7.2012, WHB 62996

F7 Czech Republic, Plzeň Region, Klatovy district, fishpond Velký Smrkovec, Smrkovec, 49.33685° N, 13.59858° E, 469 m, JB, KB, 24.7.2012, WHB 62997

F8 Czech Republic, South Bohemian Region, Strakonice district, fishpond Velkorojický, Rojice, 49.34997° N, 13.94233° E, 457 m, JB, KŠ, KT, 13.7.2012, WHB 62961

F9 Czech Republic, South Bohemian Region, Strakonice district, fishpond Chválovec, S of Chrášťovice, 49.32103° N, 13.89727° E, 466 m, JB, KŠ, KT, 13.7.2012, WHB 62962

F10 Czech Republic, South Moravian Region, Znojmo district, fishpond Želízkovice, Slatina, 49.01413° N, 16.00398° E, 348 m, KB, 22.8.2012 (relevés), JB, 5.9.2012 (sampling of plants and soil), WHB 62983 (locality in Böckelmann et al. [27,28] not correct)

Fish storage ponds

S1 Czech Republic, Liberec Region, Česká Lípa district, fish storage pond, Doksy, 50.56383° N, 14.65887° E, 276 m, JB, KŠ, KT, 10.7.2012, WHB 62969

S2 Czech Republic, Central Bohemian Region, Mladá Boleslav district, fish storage pond, Střehom, 50.47235° N, 15.13253° E, 251 m, JB, ZH, SP, KŠ, KT, 23.8.2012, WHB 62985 (no cultivation of seeds from soil)

S3 Czech Republic, Central Bohemian Region, Rakovník district, fish storage pond, Mšec, 50.19692° N, 13.91085° E, 407 m, JB, KŠ, KT, 12.7.2012, WHB 62963

S4 Czech Republic, Central Bohemian Region, Benešov district, fish storage pond, Semovice, 49.75112° N, 14.66092° E, 354 m, JB, KB, 6.8.2012, WHB 62959

S5 Czech Republic, Central Bohemian Region, Příbram district, fish storage pond, Dobrá Voda, 49.55412° N, 13.99650° E, 448 m, JB, KB, 9.8.2012, WHB 62988

S6 Czech Republic, South Bohemian Region, Strakonice district, fish storage pond, Tchořovice, 49.43525° N, 13.80737° E, 453 m, JB, KB, 9.8.2012, WHB 62987

S7 Czech Republic, South Bohemian Region, Strakonice district, fish storage pond, Rojice, 49.34737° N, 13.94838° E, 452 m, JB, KB, KŠ, 8.8.2012, WHB 62989

S8 Czech Republic, South Bohemian Region, Strakonice district, fish storage pond, Čejetice, 49.24955° N, 14.02218° E, 382 m, JB, KB, KŠ, 8.8.2012, WHB 62958

S9 Czech Republic, South Bohemian Region, České Budějovice district, fish storage pond, Hluboká nad Vltavou, 49.04477° N, 14.43318° E, 372 m, JB, KB, KŠ, 7.8.2012, WHB 62991

S10 Czech Republic, South Bohemian Region, České Budějovice district, fish storage pond, Hluboká nad Vltavou, 49.04373° N, 14.43253° E, 374 m, JB, KŠ, KT, 14.7.2012, WHB 62960

Localities not included in [27,28], used for cultivation of seeds from the soil and sampling of the relevés

RP Czech Republic, South Bohemian Region, České Budějovice district, fish rearing pond (used for young fish rearing), Čejkovice, 49.00913° N, 14.38212° E, 385 m, JB, KB, KŠ, 7.8.2012, WHB 62990

Q Czech Republic, Central Bohemian Region, Nymburk district, old quarry Hliňovka, Hořátev, 50.14867° N, 15.05128° E, 186 m, JB, ZH, SP, KT, 24.8.2012, WHB 62984

Localities included in [27], but not used for cultivation of seeds from the soil, relevés collected

Czech Republic, Pardubice Region, Pardubice district, fish storage pond, Lázně Bohdaneč, 50.08323° N, 15.66478° E, 220 m, JB, KŠ, KT, 9.7.2012, WHB 62971

Czech Republic, Central Bohemian Region, Příbram district, fish storage pond, Nedrahovice, 49.61427° N, 14.46000° E, 355 m, JB, KB, 1.8.2012, WHB 62993

Localities not included in [27,28], relevés collected

Czech Republic, Hradec Králové Region, Jičín district, unnamed fishpond near Kopidlno, 50.33827° N, 15.24772° E, 236 m, JB, KŠ, KT, 9.7.2012 (only a single relevé), JB, KB, 25.7.2012 (three relevés), WHB 62995

Czech Republic, Central Bohemian Region, Mělník district, oxbow of river Labe/Elbe, NW of Liběchov, 50.41458° N, 14.42995° E, 158 m, JB, ZH, SP, KŠ, KT, 22.8.2012, WHB 62986