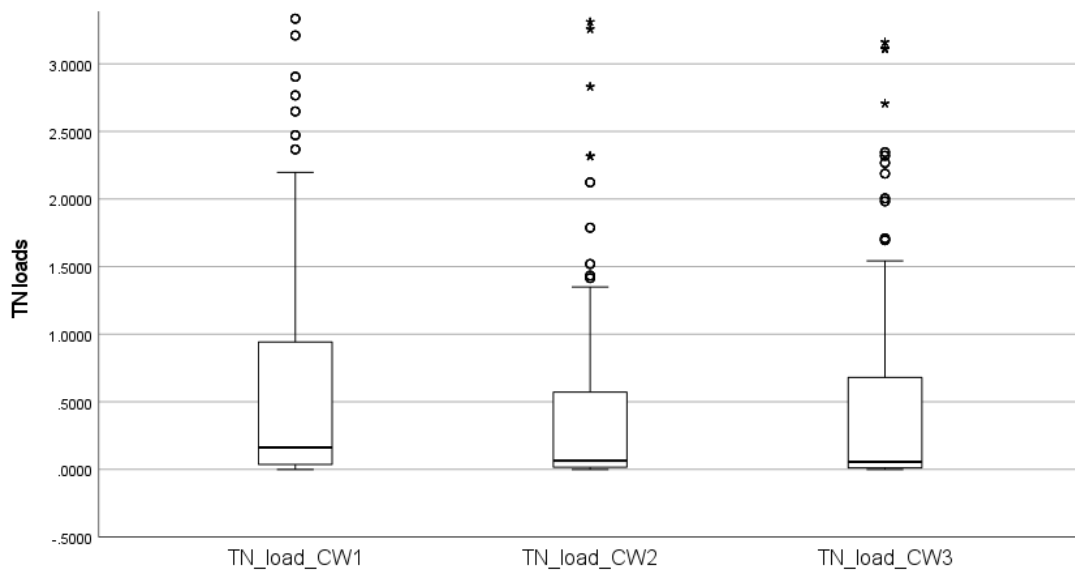


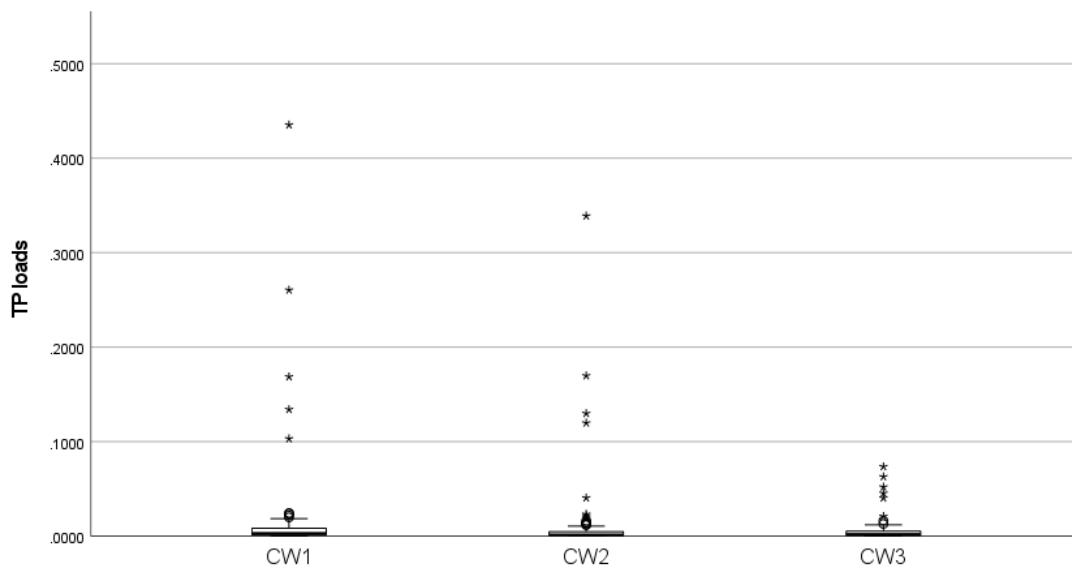
SM1: Phosphorus removal process (Reddy and D Angelo, 1996)



Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
inflow	138	7.2100	141.0000	16.414638	12.1282790
CW1	138	.1400	52.8900	7.186377	8.5722967
CW2	138	.1900	55.0100	6.628623	8.5881974
CW3	138	.0230	120.1800	6.320819	11.8635297

SM 2: TN loads g/m2d and TN statistical table



Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
inflow	141	.0000	.2300	.058382	.0481514
CW1	141	.0000	.3000	.050348	.0522306
CW2	141	.0000	.5000	.053832	.0715389
CW3	141	.0000	.5850	.047705	.0632484

SM3:TP loads excluding the outliers and statistical table

SM5

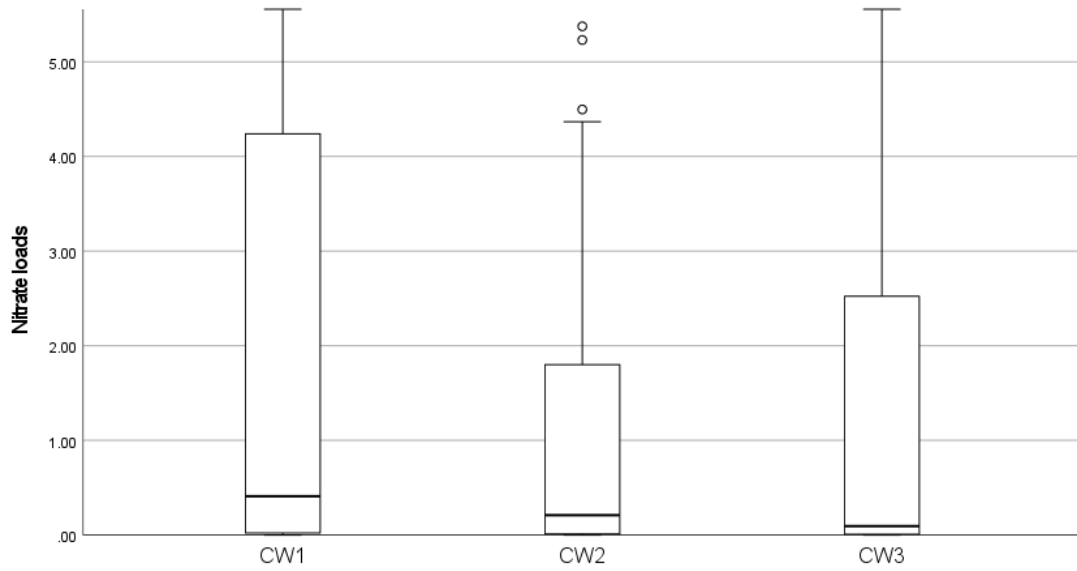
Supplementary Material 5. The amount of nitrogen removed in constructed wetlands with free water surface treating agricultural drainage waters. Systems are ranked according to the removed load. *Based on concentration. Updated and modified from Vymazal (2017).

Locality	Wetland area (A) (ha)	Catchment area (B) (ha)	A/B (%)	Removed load (kg N ha ⁻¹ yr ⁻¹)	Removed load (g N m ⁻² d ⁻¹)	Concentration (mg/l)		Rem (%)
						In	Out	
Finland	0.48	90	0.53	11	0.003	8.4		
Norway	0.087	103	0.085	50	0.0137	1.6	1.5	6
Norway	0.09	148	0.06	56	0.0153	3.21	3.10	4
Finland	60	2000	3.0	57	0.0156	3.1	2.76	1
Norway	0.0345	50	0.07	93	0.0255	3.49	3.35	4
USA	0.16	3.76	4.26	117	0.0321	15.6	9.3	40
Norway	0.084	22.1	0.38	159	0.0436	5.14	4.38	17
Korea	0.886	465	0.19	195	0.0534	7.2	5.3	26
Australia	0.045	90	0.05	230	0.0630	2.77	2.57	7
USA	0.78	25	3.12	241	0.0660	7.5	1.16	84
New Zealand	0.01125	1.7	0.66	246	0.067	5.76	4.11	28
Norway	0.046	21.9	0.21	285	0.0781	5.14	4.40	14
Italy	0.32	6	5.33	359	0.0984			
USA	0.40	12.3	3.25	367	0.0101	18.4	12.8	30
New Zealand	0.0293	2.6	1.11	506	0.139	13.39	8.65	35
USA	1.63	71500	0.0023	542	0.149	2.4	0.75	68
Korea	5.0	20	25	605	0.166	3.5	1.35	61
New Zealand	0.0898	5.65	1.58	644	0.177	10.69	7.36	31
USA	150	2000	7.5	681	0.187	10.89	2.50	77
USA	0.6	15	4.0	780	0.214	14.1	11.0	22
Norway	0.12	80	0.15	800	0.219	8.03	6.29	21
USA	4.5	1620	0.28	888	0.243	5.7	5.31	6
Sweden	3.0			1030	0.282	4.6	3.5	
USA	3.3	425	0.78	1050	0.288	8.2	3.5	57
Czech Republic	0.145			1102	0.302	6.39	3.95	38
Sweden	0.65	880	0.074	1524	0.417			
USA	2.5	324	0.77	2072	0.568	16.17	9.77	39
Sweden	0.4			4336	1.188	8.7	7.5	
New Zealand	0.026	2,6	1.0	8410	2.304	34.9	7.59	78
USA	2.3	324	0.71	11267	3.087	16.17	9.76	39

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation
inflow	138	29.80	606.00	67.8536	52.47057

CW1	138	.04	229.50	27.7756	37.91506
CW2	138	.00	237.60	24.1231	37.08814
CW3	138	.00	526.90	24.0220	51.61439



SM6 : nitrate loads (Nitrate loads excluding outliers.) and statistical tables