Results of analyses of trend.
* Not homogeneity between seasons.

Country	Station/river	Flow				
Austria	Seitengraben plus Hauptgraben	Z=3.54; P=0.00026; $\hat{\beta}$ =0.0003; $\hat{\beta} \in$ [0.0001; 0.0004]				
Czech Rep.		Flow	Total-N	NO3	Total-P	DRP
	Hejzlar	Z=-1.11; * P=0.27; $\hat{\beta}$ =-0.0011; $\hat{\beta} \in$ [-0.0032; 0.0011]	Z=0.0328; P=0.033; $\hat{\beta}$ =0.0503; $\hat{\beta} \in$ [0.0034; 0.0964]	Z=2.61; P=0.0089; $\hat{\beta}$ =0.070; $\hat{\beta} \in$ [0.0184; 0.1244]	Z=-0.10; P=0.92; $\hat{\beta}$ =-0.0001; $\hat{\beta} \in$ [-0.0010; 0.0009]	Z=-0.45; P=0.66; $\hat{\beta}$ =-0.0001; $\hat{\beta} \in$ [-0.0006; 0.0004]
Denmark		Flow	Total-N	NO23-N	Total-P	PO4-P
	Odderbæk	Z=2.82; P=0.0048; $\hat{\beta}$ =0.0007; $\hat{\beta} \in$ [0.0002; 0.0013]	Z=-5.88; P<0.0001; $\hat{\beta}$ =-0.071; $\hat{\beta} \in$ [-0.096; -0.052]	Z=-5.85; P<0.0001; $\hat{\beta}$ =-0.073; $\hat{\beta} \in$ [-0.098; -0.052]	Z=1.08; P=0.28; $\hat{\beta}$ =0.0004; $\hat{\beta} \in$ [-0.0004; 0.0012]	Z=1.54; P=0.12; $\hat{\beta}$ =0.0002; $\hat{\beta} \in$ [-0.0001; 0.0004]
	Lillebæk	Z=-0.022; P=0.98; $\hat{\beta}$ =0; $\hat{\beta} \in$ [-0.0002; 0.0002]	Z=-9.46; P<0.0001; $\hat{\beta}$ =-0.181; $\hat{\beta} \in$ [-0.212; -0.149]	Z=-8.94; P<0.0001; $\hat{\beta}$ =-0.166; $\hat{\beta} \in$ [-0.201; -0.137]	Z=-3.96; P<0.0001; $\hat{\beta}$ =-0.0026; $\hat{\beta} \in$ [-0.0040; -0.0013]	Z=-1.96; P=0.050; $\hat{\beta}$ =-0.0007; $\hat{\beta} \in$ [-0.0015; 0]
Germany		Flow	Total-N	DIN	Total-P	SIO2
	1	Z=-4.24; P<0.0001; $\hat{\beta}$ =-2.97; $\hat{\beta} \in$ [-4.32; -1.68]	Z=;16.68 P<0.0001; $\hat{\beta}$ =0.044; $\hat{\beta} \in$ [0.0394; 0.0492]	Z=13.18; P<0.0001; $\hat{\beta}$ =0.032; $\hat{\beta} \in$ [0.0280; 0.0366]	Z=9.78; P<0.0001; $\hat{\beta}$ =0.0047; $\hat{\beta} \in$ [0.0038; 0.0057]	Z=3.32; P=0.0009; $\hat{\beta}$ =0.0027; $\hat{\beta} \in$ [0.0011; 0.0044]
	2	Z=-3.79; P=0.0001; $\hat{\beta}$ =-3.73; $\hat{\beta} \in$ [-5.86; -1.94]	Z=-8.70; P<0.0001; $\hat{\beta}$ =-0.094; $\hat{\beta} \in$ [-0.1110; -0.0744]	Z=-2.09;* P=0.037; $\hat{\beta}$ =-0.010; $\hat{\beta} \in$ [-0.0192; -0.0005]	Z=-12.85; P<0.0001; $\hat{\beta}$ =-0.019; $\hat{\beta} \in$ [-0.0209; -0.0167]	
	3	Z=-1.42; P=0.16; $\hat{\beta}$ =-2.38; $\hat{\beta} \in$ [-5.77; 1.16]	Z=-2.32; P=0.020; $\hat{\beta}$ =-0.035; $\hat{\beta} \in$ [-0.0660; -0.0051]	Z=-8.36; P<0.0001; $\hat{\beta}$ =-0.053; $\hat{\beta} \in$ [-0.0634; -0.0422]	Z=-13.50; P<0.0001; $\hat{\beta}$ =-0.016; $\hat{\beta} \in$ [-0.0176; -0.0140]	
Lithuania		Flow	Total-N	NO3	Total-P	
	Graisupis	Z=-0.654; P=0.51; $\hat{\beta}$ =-0.038; $\hat{\beta} \in$ [-0.673; 0.189]	Z=-0.472; P=0.64; $\hat{\beta}$ =-0.017; $\hat{\beta} \in$ [-0.125; 0.099]	Z=1.03; P=0.30; $\hat{\beta}$ =0.043; $\hat{\beta} \in$ [-0.0446; 0.1266]	Z=1.82; P=0.069; $\hat{\beta}$ =0.0034; $\hat{\beta} \in$ [-0.0004; 0.0085]	

	Lyz.	Z=-0.322; P=0.75; $\hat{\beta}$ =0; $\hat{\beta} \in$ [-0.0300; 0.0327]	Z=3.18; P=0.0015; $\hat{\beta}$ =0.071; $\hat{\beta} \in$ [0.0236; 0.143]	Z=2.01; P=0.045; $\hat{\beta}$ =0.022; $\hat{\beta} \in$ [0; 0.0565]	Z=0.410; P=0.68; $\hat{\beta}$ =0.0003; $\hat{\beta} \in$ [-0.0012; 0.0023]	
	Vardas	Z=-0.996; P=0.32; $\hat{\beta}$ =-0.145; $\hat{\beta} \in$ [-0.718; 0.106]	Z=1,12; P=0.26; $\hat{\beta}$ =0.047; $\hat{\beta} \in$ [-0.0289; 0.1317]	Z=0.315; P=0.75; $\hat{\beta}$ =0.010; $\hat{\beta} \in$ [-0.0502; 0.05611]	Z=2.29; P=0.022; $\hat{\beta}$ =0.0033; $\hat{\beta} \in$ [0.0009; 0.0059]	
Netherlands		Flow	Total-N	NO3	Total-P	PO4-P
	Schuitenbeek	Z=0.730; P=0.47; $\hat{\beta}$ =0.0009; $\hat{\beta} \in$ [-0.0013; 0.0033]	Z=-7.83; P<0.0001; $\hat{\beta}$ =-0.129; $\hat{\beta} \in$ [-0.163; -0.0989]	Z=-7.71; P<0.0001; $\hat{\beta}$ =-0.099; $\hat{\beta} \in$ [-0.120; -0.0751]	Z=-3.61; P=0.0003; $\hat{\beta}$ =-0.0042; $\hat{\beta} \in$ [-0.0066; -0.0020]	Z=0.365; P=0.72; $\hat{\beta}$ =0.0001; $\hat{\beta} \in$ [-0.0008; 0.0010]
Norway		Flow	Total-N	NO3	Total-P	PO4-P
	Skuterud	Z=0.185; P=0.85; $\hat{\beta}$ =0; $\hat{\beta} \in$ [-0.0200; 0.0250]	Z=0.033; P=0.97; $\hat{\beta}$ =0.0033; $\hat{\beta} \in$ [-0.0745; 0.0893]	Z=0.268; P=0.79; $\hat{\beta}$ =0.012; $\hat{\beta} \in$ [-0.0636; 0.0806]	Z=-2.95; P=0.0032; $\hat{\beta}$ =-0.0048; $\hat{\beta} \in$ [-0.0083; -0.0015]	Z=-3.14; P=0.0017; $\hat{\beta}$ =-1.05; $\hat{\beta} \in$ [-1.73; -0.324]
	Kolstad	Z=0.240; P=0.81; $\hat{\beta}$ =0; $\hat{\beta} \in$ [-0.0071; 0.0083]	Z=2.22; P=0.027; $\hat{\beta}$ =0.095; $\hat{\beta} \in$ [0.0096; 0.190]	Z=1.45; P=0.15; $\hat{\beta}$ =0.072; $\hat{\beta} \in$ [-0.0151; 0.1642]	Z=1.26; P=0.21; $\hat{\beta}$ =0.570; $\hat{\beta} \in$ [-0.330; 1.36]	Z=2.06; P=0.039; $\hat{\beta}$ =0.343; $\hat{\beta} \in$ [0.0142; 0.624]
Scotland		Flow		NO3	TDP	SRP
	1	Z=1.85; P=0.064; $\hat{\beta}$ =0.035; $\hat{\beta} \in$ [-0.0137; 0.0809]		Z=0;* P=1; $\hat{\beta}$ =0.0014; $\hat{\beta} \in$ [-0,0720; 0,0745]	Z=2.78; P=0.0055; $\hat{\beta}$ =0.0025; $\hat{\beta} \in$ [0.0005; 0.0063]	Z=3.59; P=0.0003; $\hat{\beta}$ =0.0020; $\hat{\beta} \in$ [0.0008; 0.0031]
	5	Z=1.85; P=0.064; $\hat{\beta}$ =0.0021; $\hat{\beta} \in$ [-0.0008; 0.0046]		Z=-0,578; P=0.56; $\hat{\beta}$ =-0,060; $\hat{\beta} \in$ [-0.134; 0,0800]	Z=-0.578; P=0.56; $\hat{\beta}$ =-0.0003; $\hat{\beta} \in$ [-0.0032; 0.0014]	Z=0.810; P=0.42; $\hat{\beta}$ =0.0008; $\hat{\beta} \in$ [-0.0007; 0.0017]
	6	Z=1.85; P=0.064; $\hat{\beta}$ =0.0014; $\hat{\beta} \in$ [-0.0006; 0.0031]		Z=-2.31;* P=0.021; $\hat{\beta}$ =-0,124; $\hat{\beta} \in$ [-0.182; -0.0237]	Z=1.85; P=0.064; $\hat{\beta}$ =0.0020; $\hat{\beta} \in$ [-0.0001; 0.0035]	Z=3.13; P=0.0018; $\hat{\beta}$ =0.0020; $\hat{\beta} \in$ [0.0007; 0.0030]
	7	Z=1.62; P=0.11; $\hat{\beta}$ =0.0060;		Z=0.060; P=0.95; $\hat{\beta}$ =0.0026;	Z=1.26; P=0.21; $\hat{\beta}$ =0.0006;	Z=0.858; P=0.39; $\hat{\beta}$ =0.0004;

		$\hat{\beta} \in$ [-0.0031; 0.0162]		$\hat{\beta} \in$ [-0.0483; 0.0585]	$\hat{\beta} \in$ [-0.0008; 0.0020]	$\hat{\beta} \in$ [-0.0003; 0.0010]
	8	Z=1.40; P=0.16; $\hat{\beta}$ =0.0023; $\hat{\beta} \in$ [-0.0019; 0.0055]		Z=-4.58; P<0.0001; $\hat{\beta}$ =-0.171; $\hat{\beta} \in$ [-0.227; -0.111]	Z=2.14; P=0.033; $\hat{\beta}$ =0.0012; $\hat{\beta} \in$ [0.0001; 0.0025]	Z=0.250; P=0.80; $\hat{\beta}$ =0.0001; $\hat{\beta} \in$ [-0.0007; 0.0005]
	14	Z=1.26; P=0.21; $\hat{\beta}$ =0.0050; $\hat{\beta} \in$ [-0.0049; 0.0139]		Z=1.98; P=0.048; $\hat{\beta}$ =0.106; $\hat{\beta} \in$ [-0.0016; 0.231]	Z=1.62; P=0.11; $\hat{\beta}$ =0.0032; $\hat{\beta} \in$ [-0.0003; 0.0059]	Z=1.50; P=0.13; $\hat{\beta}$ =0.0019; $\hat{\beta} \in$ [-0.0009; 0.0038]
	16	Z=1.83; P=0.067; $\hat{\beta}$ =0.0088; $\hat{\beta} \in$ [-0.0038; 0.0213]		Z=-0.649; P=0.52; $\hat{\beta}$ =-0.021; $\hat{\beta} \in$ [-0.101; 0.0505]	Z=0.295; P=; $\hat{\beta}$ =0.0004; $\hat{\beta} \in$ [-0.0022; 0.0023]	Z=-0.313; P=0.75; $\hat{\beta}$ =-0.0001; $\hat{\beta} \in$ [-0.0008; 0.0011]
Sweden		Flow	Total-N	NO3	Total-P	PO4-P
	N34	Z=1.87; P=0.061; $\hat{\beta}$ =0.0018; $\hat{\beta} \in$ [-0.0004; 0.0051]	Z=-7.44; P<0.0001; $\hat{\beta}$ =-0.291; $\hat{\beta} \in$ [-0.356; -0.239]	Z=-7.61; P<0.0001; $\hat{\beta}$ =-0.281; $\hat{\beta} \in$ [-0.335; -0.234]	Z=-0.333; P=0.74; $\hat{\beta}$ =-0.0002; $\hat{\beta} \in$ [-0.0016; 0.0007]	Z=3.70; P=0.0002; $\hat{\beta}$ =0.0005; $\hat{\beta} \in$ [0.0003; 0.0008]