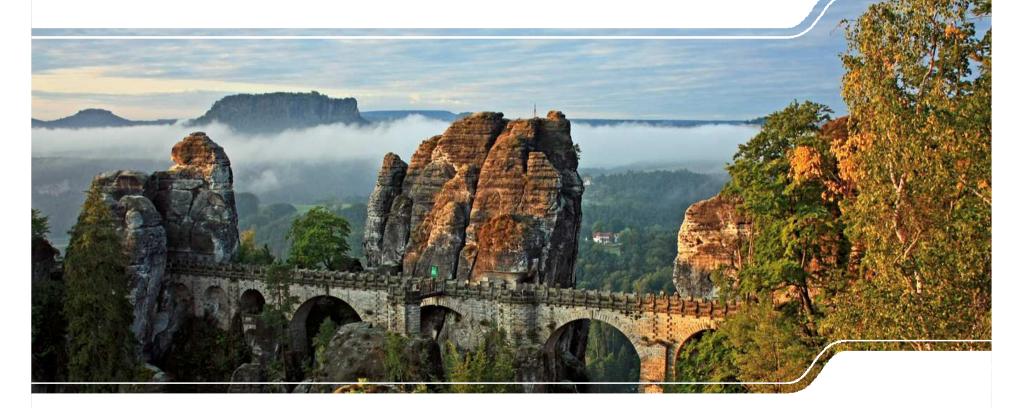


Activities in Action Group D2 Surveys to nutrient fluxes/cycling in Saxony (Germany)







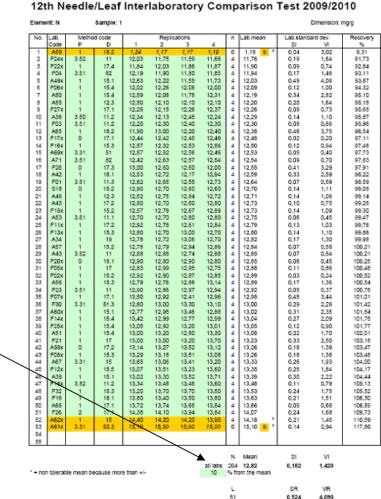
Activities in Action Group D2

Activity	remarks	problems		
Litterfall	\rightarrow adjustment from 9 to 10	data submission 2009		
	samplers	I dried sample quantity sometimes not big enough for analyzing C/N and ICP		
	→ subdivision into functional groups (seeds, foliar, fruits)			
Interlaboratory Comparisons	→ own lab participated in needle/ leaf-, water- and soil-	extra ring test for litterfall or in combination with needle/leaf		
2009/10	ring-tests			
	\rightarrow results in *.pdf-file	conversion into *.xls-file		
		Ineffective data submission of the results to the FutMon database		
Soil vegetation	\rightarrow 4 sample frames à 0.5 m ²	I dried sample quantity sometimes not big enough for analyzing C/N and ICP		
	→ rough subdivision into functio- nal groups in the stand and in the lab precisely			



Proposal for improvements in data submission Results of the ring-tests 12th Needle/Leaf Interlaboratory Comparison Test 2009/2010

important information for lab`s to do their own statistic evaluation ! should be available for all participants as *.xls-file







Surveys in soil vegetation



4 | 18. März 2010 | Dirk Reinhold



Results of ground vegetation- and needle/leaf-analysis Comparison

plot	survey	Cu	Fe	Pb	Со	Cr	К	S
1405	grass	4,44	143,0	1,83	0,07	0,59	7274	1013
1405	blueberry	5,81	64,6	0,74	0,03	0,42	4022	951
1405	moss	9,54	474,6	6,20	0,32	1,52	2982	1495
1405	pine , c+1	3,27	86,6	0,45	0,24	0,26	4755	1076
1402	grass	5,90	127,0	2,58	0,13	0,46	12095	1391
1402	spruce saplings	6,39	126,9	1,88	0,12	0,41	5820	1025
1402	herbs	13,90	54,0	0,53	0,08	0,12	26960	2322
1402	moss	9,73	1178,5	14,68	0,67	3,41	4443	1689
1402	spruce, c+4	1,99	58,6	0,45	0,08	0,32	2930	943

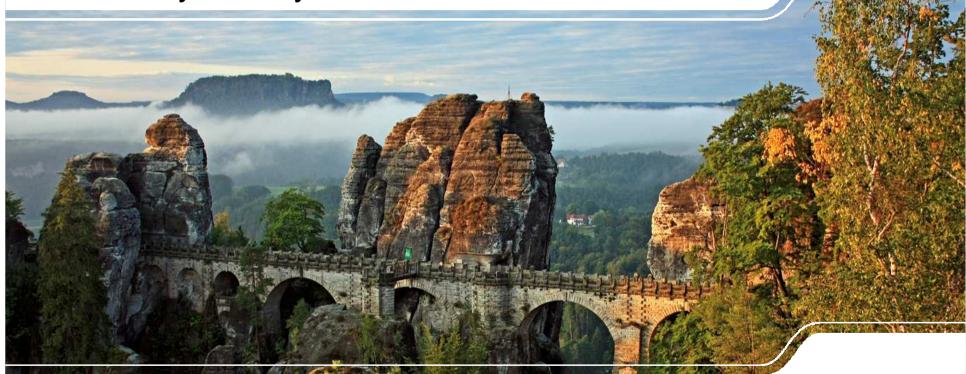
mosses store long-times high quantities of heavy metals

*all values in mg/kg

differences between the functional groups and the investigated plots



Thank you for your attention!





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