Talk or poster	Talk
presentation:	Englich
presentation	
Title of the presentation	How effective are created or restored freshwater wetlands for nitrogen
(limited to 150 characters	and phosphorus removal?
including spaces)	
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Abstract (limited to 150	A widely used method to reduce the input of polluting nutrients to
words)	freshwater and coastal marine environments is to let nutrient-rich
	water pass through a created or restored wetland. To better
	understand the large variations in measured nutrient removal rate and
	removal efficiency in such wetlands we conducted a systematic review
	including meta-analyses and response surface analyses. Regressions
	were performed using generalized additive models that can handle
	nonlinear relationships and interaction effects. In total, 93 articles
	including 203 wetlands receiving secondary or tertiary treated domestic
	wastewater, urban storm water, stream/river water, or agricultural
	runoff were included. The removal rate of total nitrogen (TN) and total
	phosphorus (TP) is highly dependent on loading rate. Median removal
	rates of TN and TP were 93 and 1.2 g·m ⁻² ·yr ⁻¹ , respectively. The median
	removal efficiency was 37% (95% CI 29-44) for TN and 46% (95% CI 37-
	55) for TP. Effect modifiers will be discussed.
Required support for	
French/English	
translation (for talks)	