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*Supplement of*

## **Carbon and nutrient export regimes from headwater catchments to downstream reaches**

**Rémi Dupas et al.**

*Correspondence to:* Rémi Dupas ([remi.dupas@inra.fr](mailto:remi.dupas@inra.fr))

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**Figure S1: Localization of the TERENO Harz/Central German Lowland Observatory (Bode catchment) and of the study sites included in the present study.**

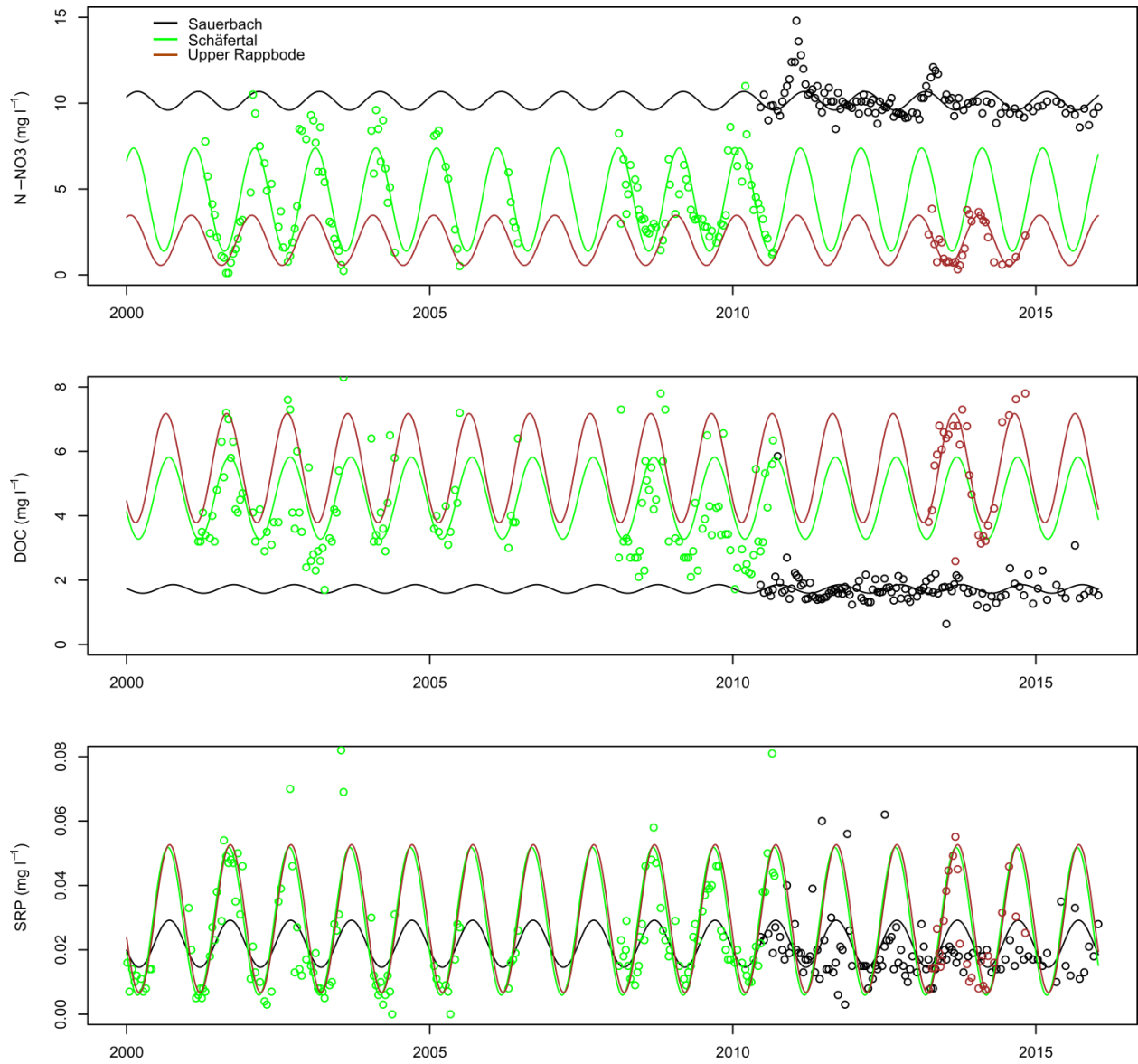
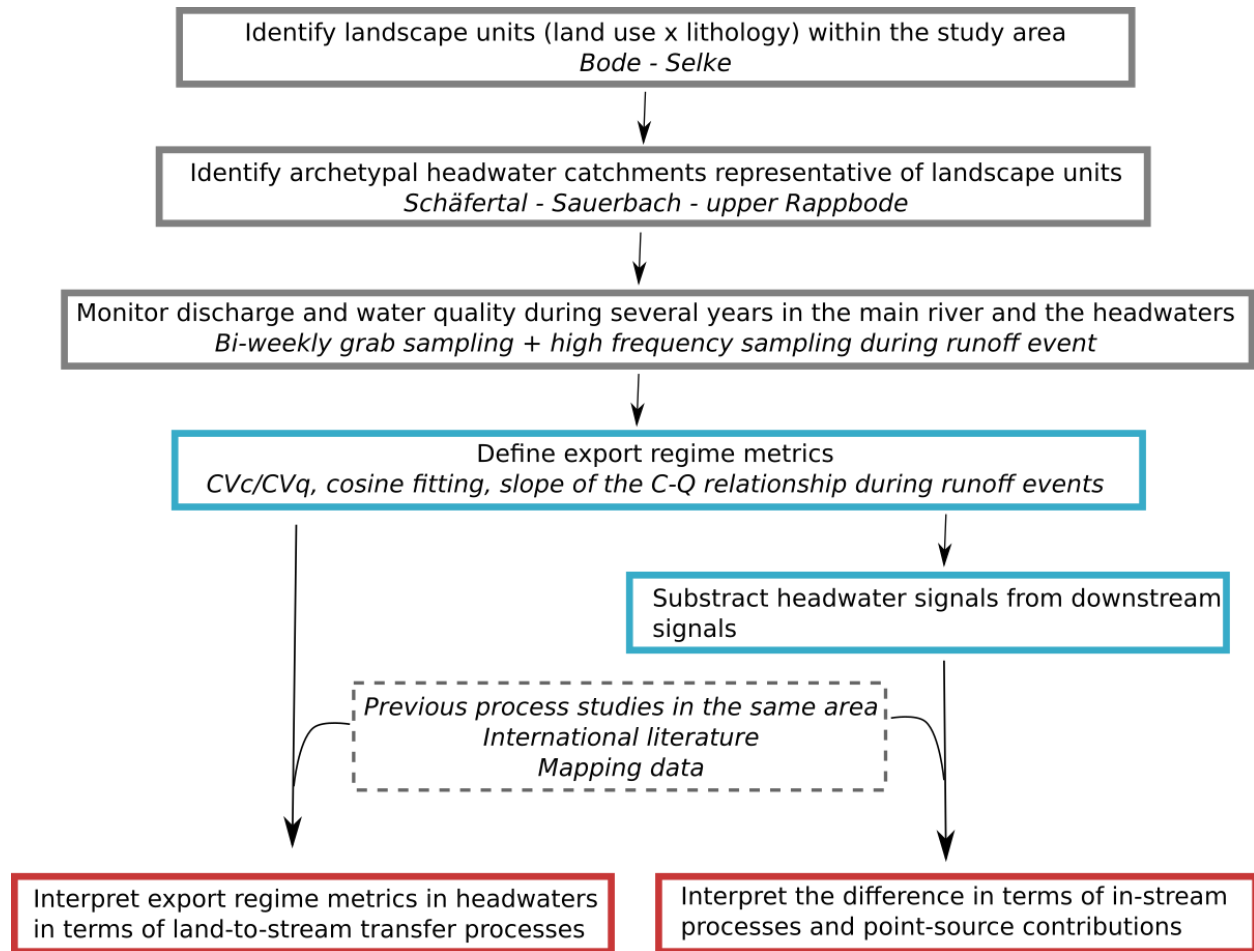


Figure S2: Grab sampling data in thee headwater catchments and cosine fitting.



**Figure S3: Monitoring strategy and data analysis.**

Table S1: Summary of catchments characteristics.

NAME	ABBREVIATION	NESTED IN SELKE/BODE	SIZE (KM <sup>2</sup> )	LAND USE	HYDROMORPHIC SOILS
<b>SAUERBACH</b>	LS-Agr	Bode	1.37	Agriculture (98%), other (2%)	0%
<b>SCHÄFERTAL</b>	US-Agr	Selke	1.44	Agriculture (98%), other (2%)	19%
<b>UPPER RAPPBODE MEISDORF</b>	US-For	Bode	2.58	Forest (100%)	19%
	MEIS	Selke	184	Forest (73%), agriculture (25%), other (2%)	10%
<b>HAUSNEINDORF</b>	HAUS	Selke	456	Agriculture (81%), Forest (10%), other (9%)	<3%