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Corrigendum

Corrigendum to “Predicting soil erosion and sediment yield at regional scales: Where do we stand?”

[Earth-Sci. Rev. 127 (2013) 16–29]

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The authors would like to correct some of the numbers in Table 2 in the article by de Vente et al. (2013) referring to the performance of linear regression models applied to Italian catchments. The corrected numbers are indicated in the Table below and concern 1) correction of catchment areas, 2) addition of Model Efficiency for validation data reported Grauso et al. (2008), and, 3) addition of reference to the study where the model calibration was reported (Ciccacci et al., 1987).

Table 2

Overview of model performance for linear regression equations applied to Italian catchments as reported in the literature. Indicated are the number of catchments included for model development (N), R² and Model Efficiency (ME) for calibration and validation.

	Model	Study region	N	Area (km ²)	Calibration		Validation		Reference	
					R ²	ME	R ²	ME		
Regression	Spatially lumped	Linear regression	Italy	16 ^b	24–505	0.96 ^a	NA	0.21 ^a	NA	Calibration: Ciccacci et al. (1987). Validation: Grauso et al. (2008) (Grauso et al., 2008)
			Italy	16	24–505	0.87 ^a	NA	0.78 ^a	0.87 ^a	

NA: Not available.

^a For annual area-specific sediment yield (SSY; Mg km⁻² a⁻¹).^b N and catchment size refer to validation data points used. For calibration, 20 different catchments were used ranging in size between 43 and 2015 km² (Ciccacci et al., 1987).

The authors would like to apologise for any inconvenience caused.

References

- Ciccacci, S., Fredi, P., Lupia Palmieri, E., Pugliese, F., 1987. Indirect Evaluation of Erosion Entity in Drainage Basins Through Geomorphic, Climatic and Hydrological Parameters. In: Gardiner, V. (Ed.), *International geomorphology 1986 Part II*. Wiley, Chichester, pp. 33–48.
- de Vente, J., Poesen, J., Verstraeten, G., Govers, G., Vanmaercke, M., Van Rompaey, A., Arabkhedri, M., Boix-Fayos, C., 2013. Predicting soil erosion and sediment yield at regional scales: where do we stand? *Earth-Sci. Rev.* 127, 16–29.
- Grauso, S., Pagano, A., Fattoruso, G., De Bonis, P., Onori, F., Regina, P., Tebano, C., 2008. Relations between climatic–geomorphological parameters and sediment yield in a Mediterranean semi-arid area (Sicily, southern Italy). *Environ. Geol.* 54 (2), 219–234.

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