

Authors, year of publication	Objective	Type of data used
López-Tarazón et al. (2012)	Quantify the sediment budget of the Isábena basin	Meteorological data, hydrological data, suspended sediment concentration
Brosinsky et al. (2014a)	Trace back sediment origin by spectral fingerprinting: application to flood events in Isábena basin	Meteorological data, hydrological data, suspended sediment concentration, spectral data
Brosinsky et al. (2014b)	Trace back sediment origin by spectral fingerprinting: method development	Spectral data
Foerster et al. (2014)	Assess sediment connectivity from vegetation cover and topography in two sub-basins of the Isábena basin	Airborne lidar and hyperspectral data as well as in situ ground cover data made available in Foerster et al. (2015)
Francke et al. (2014)	Analyse runoff, sediment dynamics and sediment yield of sub-catchments in in the Isábena basin	Meteorological data, hydrological data, suspended sediment concentration
López-Tarazón and Batalla (2014)	Assess dominant discharges and associated sediment dynamics of the River Isábena	Hydrological data, suspended sediment concentration
Francke et al. (2018)	Propose framework to assess the effect of model enhancements shown in the example of the WASA-SED model applied to the Isábena basin	Meteorological data, hydrological data, suspended sediment concentration