

## Online Resource 1

### **Review title: Hydrological extremes modulate nutrient dynamics in mediterranean-climate streams across different spatial scales (published in *Hydrobiologia*)**

Susana Bernal<sup>1\*</sup>, Daniel von Schiller<sup>2</sup>, Francesc Sabater<sup>3</sup> and Eugènia Martí<sup>1</sup>

<sup>1</sup>Center for Advanced Studies of Blanes (CEAB-CSIC), Accés a la Cala Sant Francesc 14, 17300, Blanes, Girona, Spain.

<sup>2</sup>Catalan Institute for Water Research (ICRA), Emili Grahit, 101, Edifici H<sub>2</sub>O, 17003 Girona, Spain.

<sup>3</sup>Department of Ecology, Faculty of Biology, University of Barcelona, Diagonal 645, 08028, Barcelona, Spain.

\*Corresponding author: [sbernal@ceab.csic.es](mailto:sbernal@ceab.csic.es), telf: +34 972 336101, fax: +34 972 337806

Figure 3 was adapted from Bernal et al. (2005). We searched for published studies including both annual runoff and annual export of dissolved inorganic nitrogen published during the last three decades by using the Isi Web of Knowledge (<http://apps.webofknowledge.com>). We restricted our search to forested sites (> 80%) with almost no anthropogenic activities. None of these catchments was N saturated according to Dise & Wright (1995) (atmospheric N deposition ranged from 2 to 18 kg N ha<sup>-1</sup> year<sup>-1</sup>).

Data for med-catchments were extracted from the following studies: Riggan et al. (1985), Britton (1991), Àvila et al. (1992), Durand et al. (1992), Butturini & Sabater (2002), Meixner & Fenn (2004), and A. Leydecker (personal communication).

Data for temperate and tropical catchments came from Adams et al. (1997), Kortelainen et al. (1997), Williams & Melack (1997), Campbell et al., (2000), Goodale et al. (2000), Lovett et al. (2000), Coats & Goldman (2001), Sickman et al. (2001), Lewis (2002), Vanderbilt et al. (2003), and Cairns & Lajtha (2005).

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