



## **Modelling nutrient flows in British rivers**

**T. Earl**, D. Nedwell, M. Johnston

University of Essex, England

tearl@essex.ac.uk

Nutrient concentration data from the Harmonised Monitoring Scheme have been combined with flow data from the National River Flow Archive to investigate the seasonal variations in nitrogen (N) and phosphorous (P) loads in British rivers. To represent the wide variety of conditions in Britain, eutrophic conditions (such as the River Chelmer) and relatively natural catchments (such as the River Conwy) were compared. The different seasonal variations of N and P quantities, and the ratio N:P, were used to illustrate the properties of the different types of river catchments.