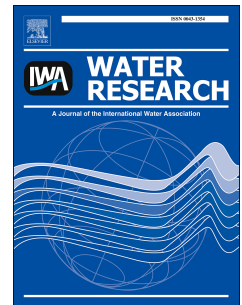


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**On the implementation of reliable early warning systems at European bathing waters using
multivariate Bayesian regression modelling**

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Abbreviations

WWTP: wastewater treatment plant

LOO-IC: Approximate leave-one-out information criterion

PPD: Posterior predictive distribution

Q : Flow in [m^3/s]

MLE: Maximum likelihood estimate

MPN: most probable number

FIB: Fecal indicator bacteria

P : Precipitation in [mm/d]

BWD: Bathing water directive

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