

Schowaneck, D.<sup>1</sup>, Fox, K.<sup>2</sup>, Schröder, F.R.<sup>3</sup>, Rottiers, A.<sup>1</sup>, Alonso, M.<sup>4</sup>, Schulze, C.<sup>5</sup>, Schröder, A.<sup>5</sup>, Hess, O.<sup>5</sup>, Klasmeier, J.<sup>5</sup>, Pope, L.<sup>6</sup> and Le Gall, G.<sup>7</sup>

<sup>1</sup>Procter & Gamble ETC, Belgium; <sup>2</sup>Unilever Research, UK; <sup>3</sup>Henkel KGaA, Germany; <sup>4</sup>Girona University, Spain; <sup>5</sup>Osnabrueck University, Germany; <sup>6</sup>Environment Agency, UK; <sup>7</sup>Beture-Cerec, France.

**Abstract:** GREAT-ER is a GIS-assisted computer model for risk assessment and management of chemicals in river basins. Since the release of the model in 1999 a number of regional projects have been initiated by various organisations with the aim of exploring the different applications of the model and/or to increase the number of functional catchments. This poster presents the different initiatives, which are currently ongoing in Belgium, France, Germany, Catalunya and the UK, along with their objectives. An overarching aim of these initiatives is to apply the model to regions of a size comparable to a virtual EU region (200 x 200 km) as defined in the EU Technical Guidance Documents for Chemical Risk Assessment. This will allow a direct comparison of the PEClocal/PECregional predictions of a multimedia chemical fate model (e.g. EUSES), with their analogous PECinitial/PECcatchment values in the spatially explicit GREAT-ER model. Information on GREAT-ER and a regular update on the different project initiatives can be found at [www.great-er.org](http://www.great-er.org).

