

## Water Quality - Chemical/Pesticide Regulation

### Aims

The aim of this one-day course is to provide a clear understanding of how and why issues surrounding water quality and chemical/pesticide regulation have originated and developed. This will be done by providing a brief historical perspective and explaining the underlying science behind these important issues and the interactions with different policy initiatives. Although the focus will be on the EU, developments elsewhere – especially in the US and Japan – will be used to compare and contrast responses and alternative approaches.

Endocrine disruption (see below), water disinfection byproducts and/or PFOS/PFOA will be used as case examples.

### Anticipated Audience

Policy makers and industry staff who need to develop an understanding of these issues and how they are developing, both within and outside the EU.

### Example: Endocrine disruption

Defining the issue – the scientific origins (e.g. fish feminisation in the River Lea, 'Stolen Future' etc.), UK freshwater studies, effects of TBT etc.

Initial regulatory/policy responses - the EU Community Strategy and US initiatives: Food Quality Protection Act and the Safe Drinking Water Act Amendments in 1996, EDSP.

The current EU Regulatory Framework and recent changes – from risk to hazard based assessment.

The need for a regulatory definition – the underlying scientific issues: NMDRs, thresholds, test method development.

EU responses to current situation – EC Roadmap and consultation – possible future developments.

Comparison with other jurisdictions – how EDCs are approached in the US, Japan, Korea, for example.

Taking things forward – the SETAC Pellston workshop on how to select hazard or risk based approaches to EDCs.