



Kindly hosted by:



## Catchment Monitoring

18 March 2015

**Wilkins Room, Rothamsted Research, North Wyke near Exeter, EX20 2SB**

The water framework directive (WFD) came into force in 2000. Since then, key milestones have been reached and in 2015 the first management cycle ends. This workshop will be exploring how the WFD has impacted on catchment monitoring, what processes have been adopted and what type of sensor technology has been developed and implemented to meet these requirements. The workshop will also cover research in the area of catchment monitoring and future requirements for sensor and sensor networks in these environments.

The Workshop will take place at the Rothamsted Research, Grassland and Arable Systems site, at North Wyke, Devon, which forms part of the Biotechnology and Biological Sciences Research Council. The workshop will cover the programmes that Rothamsted have recently covered on catchment monitoring, and attendees to the workshop can take advantage of a field tour in the afternoon to see the Rothamsted Farm Platform Project. ([Bring wellington boots and a warm coat!](#))

---

**Chair: Justin Dunning, Chelsea Technologies Group**

09.30 Tea, Coffee & registration

10.00 Introduction, Chairman, Justin Dunning, Chelsea Technologies Group

10.10 Tryptophan Fluorometer Trials by the Environment Agency in Devon and Cornwall. Adam Gilbert, Environment Agency.

10.40 Catchment monitoring by the West Country Rivers Trust, Alex Taylor, West Country Rivers Trust

11.10 Tea & Coffee

11.30 Use of in-situ UV fluorometry for Water Catchment Monitoring, Dr Cathy Rushworth, Chelsea Technologies Group Ltd

12.00 Integrated sensing and sampling system for catchment based research. Simon Browning, Wavelength Environmental

12.30 Discussion & Lunch

13.30 WISECAM: Wireless Sensors for Catchment Monitoring. Liz Bagshaw, University of Cardiff

14.00 Issues and difficulties in the setting up of the North Wyke Farm Platform sensor network. Bruce Griffith & Paul Harris, Rothamsted Research

14.30 Tour of Rothamsted Farm Platform Project

16.00 Return to seminar room & close

---

**SWIG REGISTRATION:** The cost of attending the Workshop is £82.00 inc VAT for SWIG members. £149 inc VAT for non-members. £41 for students. Literature may be distributed for a fee of £62 and a limited number of table top displays are available at £118 each. Registrations can be made by Tel 01934 830658 or by email to [rosa.richards@swig.org.uk](mailto:rosa.richards@swig.org.uk) or using the on-line booking form.

**Please advise of any special dietary requirements at time of booking.** Cancellation policy: Refunds can only be made if cancellations are notified at least 5 days in advance of the Workshop date.