



MAPPING FISHERIES

Draft Programme

Mapping environmental management Workshop

March 1st - 2nd 2016

Edinburgh Training & Conference Venue, Edinburgh, EH1 1SU

Day 1: March 1st

- 10:00** **Tea, coffee and refreshments on arrival**
10:30 **Welcome and introductions**
- 10:35 – 11.50** **Session 1: Introduction to mapping and Geographical Information Systems**
- 10.35. Introduction to mapping and geographical information systems
Nick Paling, Westcountry Rivers Trust
- 10.50. Title to be confirmed
Christina Ross, Scottish Natural Heritage GIS Team
- 11.10 Fisheries management geographies
James Hunt, The Tweed Foundation
- 11.30 Analysis of river course change using historical mapping
Caroline McGillivray, Clyde River Foundation
- 11:50** **Tea & Coffee**
- 12:15 – 12.55** **Session 2: *Explore my contours: mapping case studies***
- 12.15. Fisheries management communication through web-based mapping
Jonathan Louis, River Forth Fisheries Trust.
- 12.35 Fish Obstacles App, barriers to fish migration and WFD Classification.
Dominic Habron, Senior SEPA GIS Analyst
- 13:00** **LUNCH**
- 14:00 – 17:00** **Session 3: Field data collection workshop & hands-on demonstrations**
- 14:00** Intro to geodatabases and field data collection using the Esri Collector Application
Sean Dugan, Scottish Fisheries Co-ordination Centre
- 14:20** *Alexander Macdonald, Leica Geosystems*
- 14:40** *Lee Hannan, Trimble UK (Korec Group)*
- 15:00** **Tea & Coffee**
- 15:20– 17.00** **Session 3 workshop continued**
Mobile field data collection demonstration and field trial in two groups
(details to be confirmed)
Venue: Hollyrood Park (weather permitting)
- 17:00** **Close**

Day 2: 2nd March

- 09:30** **Tea & Coffee**
- 10:00** **Welcome & Introductions**
- 10:05** Esri Non-profit Programme & updates to the ARCGIS Platform
Harriet Gwilt – *Esri UK (By Skype link)*
- 10:25 – 11.05** **Session 4: Mapping Case Studies Continued...**
- 10.25 Scotland's Environment Web
Olivia Gill, *Scotland's Environment Web (SEPA)*
- 10.45 Hydraulic Habitat Mapping: Case studies of design, investigation and appraisal.
David Mould, *JBA Consulting*
- 11.05 SCIMAP - Diffuse Pollution Risk Mapping
A framework for modelling and mapping diffuse pollution risk across landscapes
David Higgins, *Tees Rivers Trust*
- 11:25** **Tea & Coffee**
- 11:45 – 12.30** **Session 5: Wildlife Species Mapping**
- 11.45 Mapping cormorant distribution and relationship with environments at a European scale
David Carss, *Centre For Ecology & Hydrology (CEH)*
- 12.05 Mapping fish at the UK scale: present and potential
Ian J. Winfield (*Lake Ecosystem Group, CEH Lancaster*) **and David B. Roy** (*Biological Records Centre, CEH Wallingford*)
- 12:30** **LUNCH**
- 13:30 – 14.45** **Session 6: Ecology, technology, ufology: New approaches to environmental mapping**
- 13.30 3D Drone surveys (title to be confirmed)
Nick Paling, *Westcountry Rivers Trust*
- 13.50 Combining remote sensing and ground surveys to provide an innovative approach to fish habitat mapping
Matthew Sutcliffe, *APEM*
- 14:10 *Processing ecology and habitat data from drone surveys*
Richard Gauchwin, *KOREC Group/Trimble UK*
- 14:45** **Tea & Coffee**
- 15:00 – 16.00** **Session 7: Mapping data availability**
- 15:00 Advances in the One Scotland Mapping Agreement (OSMA) and wider data availability.
Shona Nicol (TBC), *Geographic Information Science & Analysis Team. The Scottish Government*
- 15:20 *Break-out group discussion session: Advances in data access and open data*
- 16:00** **Summing up and safe home**