



## Occupancy Workshop

### 13-15 of January 2016, University of Kent

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*The three-day workshop consists of both theoretical and practical sessions on occupancy modelling. It covers basic and advanced occupancy modelling from a classical and a Bayesian approach, with models being fitted to real and artificial data using R and Presence.*

#### Day 1 Introduction to Occupancy Models and Maximum Likelihood

Session 1: Maximum likelihood

Practical 1: Using R code and functions

Session 2: Basic occupancy models

Practical 2: Using unmarked or Presence to fit occupancy models

#### Day 2 Bayesian Inference and Occupancy Models

Session 1: Bayesian inference background

Session 2: Bayesian inference examples

Practical: Fitting occupancy models using a Bayesian approach

#### Day 3 Advanced Occupancy Modelling

Session 1: Multi-species occupancy model

Session 2: Incorporating false positives into an occupancy model

Session 3: Estimating abundance from presence/absence data

Practical: Using R, Presence or unmarked to fit advanced occupancy models

Individual discussion sessions