

Subject: Distance sampling workshops St Andrews, August 2016, second notice

The Centre for Research into Ecological and Environmental Modelling (CREEM) is hosting two linked workshops in the summer of 2016 at the University of St. Andrews, Scotland. This second announcement is to note

- Workshop registration is now open (see website URL at bottom of this note to reserve a place)
- As part of the registration fee, participants will receive the 2015 book *Distance Sampling: Methods and Application* by Buckland et al. that focuses upon topics of relevance to distance sampling practitioners. The case studies found in this book will form the basis of both the introductory and advanced workshops.

The first workshop (16-19 August) will run at an introductory level, and will focus on distance sampling methods, largely described in the standard reference book "Introduction to Distance Sampling." The workshop will be a blend of theory and practice and participants will learn how to use the program "Distance." Participants will gain a solid grounding in both survey design and methods of analysis for distance sampling surveys.

The advanced distance sampling workshop (22-25 August) will include advanced treatment of analyses in which detectability on the transect line is not assumed to be perfect (the so-called $g(0)$ problem) and spatial (or density surface) modelling. We will showcase a series of R packages for performing standard as well as sophisticated analyses in R.

For all workshops, participants are encouraged to bring their own data sets, and can expect to perform preliminary analyses of their data. Participants can use our computers or bring their own laptops.

Additional details regarding the workshop contents and registration details can be found at our website

<http://creem2.st-andrews.ac.uk/distance-sampling-workshops-st-andrews-august-2016-2/>