



# NCSE Summer Meeting @ Kent

## 26<sup>th</sup> – 29<sup>th</sup> June 2017

### Draft Programme

(Note that timings might change)

#### Monday 26<sup>th</sup> June

2.00-2.15 Registration

2.15-2.30 Welcome and Introduction

2.30-2.50 *Ruth King* Efficient state-space model-fitting for ecological data

2.50-3.10 *Emily Dennis* Efficient occupancy model-fitting for extensive citizen-science data

3.10-3.30 *Byron Morgan* A stochastic dynamic model for longitudinal butterfly data

3.30-4.00 Coffee

4.00-4.20 *Ming Zhou* The use of penalised likelihood to improve estimation in removal models

4.20-4.40 *Alex Diana* A Polya Tree based model for counts of unmarked individuals in an open population

4.40-5.00 *Anita Jeyam* Goodness-of-fit tools for special cases of multievent models

5.00-5.20 *Eleni Matechou* Modelling temporary emigration using a Bayesian nonparametric changepoint process for capture-recapture data

#### Tuesday 27<sup>th</sup> June

9.00-9.10 Announcements

9.10-9.30 *Jon Barry* UK and European Marine Litter Monitoring

9.30-9.50 *Mike Spence* Combining ecosystem models

9.50-10.10 *Len Thomas* Counting something that's almost gone: combined visual-acoustic abundance estimate of the vaquita

10.10-10.30 *Cornelia Oedekoven* Comparing methods for estimating abundance from passive acoustic monitoring data using the example of bowhead whales

10.30-11.00 Coffee

11.00-12.00 Plenary *Rob Freckleton* Measuring and modelling large-scale population dynamics at the interface between statistics and applied ecology

12.00-12.20 *Diana Cole* Problems with Using Data Cloning to Investigate Identifiability

12.30 Optional Walk to Whitstable (or free afternoon)

7.00 Meeting Dinner at Cafe du Soleil in Canterbury

## Wednesday 28<sup>th</sup> June

9.00-9.10 Announcements

9.10-9.30 *Marina Jimenez-Munoz* Integrated Population Models incorporating Spatial Information

9.30-9.50 *Adam Butler* Modelling the spatial distribution of non-breeding seabirds using multiple data sources

9.50-10.10 *Takis Besbeas* Estimation of roe deer population density in a mountainous Mediterranean area using hierarchical distance sampling

10.10-10.30 *Richard Glennie* Incorporating animal movement with distance sampling and spatial capture-recapture

10.30-11.00 Coffee

11.00-11.20 *Hajar Alkhezi* Bayesian Inference for animal habitats from movement in continuous time

11.20-11.40 *Alison Parton* Inferring animal movement and behaviour in continuous time from irregular and noisy GPS observations

11.40-12.00 *Joseph Bailey* Multiple movement behaviours with wrapped normally distributed turning angles can lead to mis-classification as a single movement strategy with a wrapped Cauchy distribution.

12.00-12.20 *Théo Michelot* Can animals do MCMC? Integrating resource selection and step selection

12.20-2.00 Lunch

2.00-2.20 *Nicola Walker* Using GAMs to estimate fishing gear efficiency in the North Sea

2.20-2.40 *Izabela Barata* How much effort is needed to detect population changes in amphibians? A test using a bromeliad-inhabiting frog

2.40-3.00 *Richard Griffiths* Incorporating statistical models into conservation practice: challenges and opportunities

3.00-3.30 Coffee

3.30-3.50 *Martin Ridout* An alternative improved Chao estimator

3.50-4.10 *Paul Blackwell* Will you walk a little faster...? Prospects for efficient inference for continuous-time movement models

4.10-4.30 *Rosemary Bailey* Design and analysis of experiments testing for biodiversity

4.30-4.50 *Stephen Buckland* Monitoring the biodiversity of regions

4.50-5.00 Closing Remarks

## Thursday 29<sup>th</sup> June

9.00 – 5.00 Workshop on Spatial Point Process Modelling with INLA by David Borchers and Finn Lindgren

10.30-11.00 Coffee

12.30-1.30 Lunch

3.00-3.30 Coffee