

Mathematical Ecology: Theory and Applications (META)

Joint Research Group in the UK - LMS Scheme 3



META WORKSHOP

'Mathematical methods for complex ecological systems'

UNIVERSITY OF BIRMINGHAM (UK), 16TH DECEMBER 2016

PROGRAMME

10:00–11:00 Jonathan Pitchford

[Simple mathematical models in a world of Big Data](#)

11:00–11:20 Coffee break

11:20–11:50 Nick Isaac

[Modelling biodiversity change from messy and biased data](#)

11:50–12:20 Dmitri Finkelshtein

[Mean-field description of individual-based models: how to reduce the losses](#)

12:20–13:40 Lunch

13:40–14:10 Andrew Morozov

[Imperfect prey selectivity of generalist predators promotes biodiversity and irregularity in food webs](#)

14:10–14:40 Kam W. Tang

[Microbial dynamics on marine particles: experimental and modelling study of a complex microcosm](#)

14:40–15:10 Irene Moroz

[Chaos in an NPPZ model for plankton](#)

15:10–15:40 Coffee break

15:40–16:40 Stuart Townley

[Adaptive control and robust management of natural populations](#)