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), 16 DECEMBER 2016

AIM AND SCOPE

Ecological complexity has several different components (spatial, temporal, structural, behavioural etc.) and each of them requires application of a different variety of mathematical techniques. This workshop will be mostly focussed on advanced mathematical topics related to spatiotemporal models of ecosystem dynamics. Topics will include (but not limited to) the control theory for ecological applications, movement ecology, and uncertainty and structural sensitivity in models of population dynamics.

INVITED SPEAKERS

Dmitri Finkelshtein (Swansea University)

Nick Isaac (Centre for Ecology & Hydrology)

Irene Moroz (Oxford University)

Andrew Morozov (University of Leicester)

Jonathan Pitchford (University of York) – keynote talk

Kam Tang (Swansea University)

Stuart Townley (University of Exeter) – keynote talk