



Agenda

2nd Interdisciplinary and International

Short Course on Ecological Modelling

Nelson Mandela African Institution for Science and Technology, Arusha, Tanzania

Monday, 21 May 2018

Introduction & working with models

08:30	Welcome & objectives	Karen, Ulfia, Thomas
09:00	Self-introduction (including modelling interests)	all delegates
10:00	Why ecological modelling and workshop outline	Karen
10:30	Tea break	
11:00	Working with models	Karen, Ulfia
11:30	Modelling lifecycle	Ulfia, Karen
12:30	Lunch	
13:30	From concept to simulation (case study Predator-Prey)	Thomas
15:00	Tea break	
15:30	Defining your own research question (as the first step in the modelling process)	all
16:30	Wrap-up of day 1	all
19:00	Dinner	

Tuesday, 22 May 2018

Sharpening the question & different ecological models

08:30	Conceptual modelling I	all
10:30	Tea break	
11:00	Conceptual modelling II	all
12:30	Lunch	



Tuesday, 22 May 2018 (continued)

13:30	Conceptual modelling III	all
15:00	Tea break	
15:30	Model implementation I	Karen, Thomas
16:30	Wrap-up of day 2 (including discussion of evening NetLogo assignment)	all
19:00	Dinner	

Wednesday, 23 May 2018

Multi-agent modelling and simulation

08:30	Model implementation II (starting with looking at overnight assignment)	all
10:30	Tea break	
11:00	Model implementation III	all
12:30	Lunch	
13:30	Result analysis	Thomas, Karen
15:00	Tea break	
15:30	Finalization of own conceptual model	all
19:00	Dinner	

Thursday, 24 May 2018

Analysis of results

08:30	Running your own model	all
10:30	Tea break	
11:00	Model runs and interpretation	all
12:30	Lunch	
13:30	Result analysis	Thomas, Karen
14:00	Final discussion	
15:00	Closure of workshop & Tea break	

Prerequisites for workshop participants:

- Bring your own computer
- Please come with your own research question. You will achieve much more from this event if you can apply the methods directly to your own research.
- If possible, please install NetLogo prior to the workshop (free download: <https://ccl.northwestern.edu/netlogo/>)
- Some of the results and visualization will be shown in the program R. Therefore, we recommend installing the R application (<https://www.r-project.org/>) and RStudio (<https://www.rstudio.com/products/RStudio/#Desktop>) free of charge.

Lecturers

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