

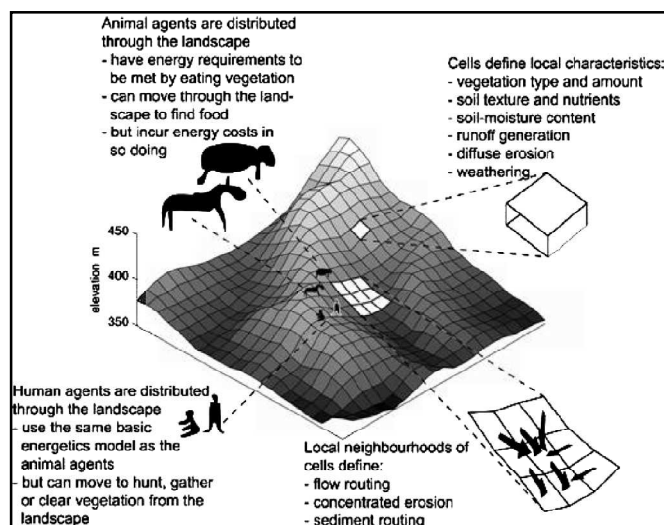
AGENT-BASED MODELS AND NEW ZEALAND ARCHAEOLOGY

Half day workshop

Friday 31 July 2009: 1.30 – 4.30 pm

Room 429 HSB201

School of Geography, Geology and Environmental Science,
The University of Auckland, 10 Symonds Street, Auckland



Agent-based models (ABM) are used in the social and ecological sciences to explore patterns that emerge from interactions between autonomous entities, such as people or animals or plants. ABM is also applied in archaeology overseas to investigate questions about human impacts on landscape, through simulating the response of dynamic landscapes to the actions of people and animal agents. We believe this technique has application to New Zealand archaeology, for example, to investigate patterns of landscape change in the early period of Polynesian settlement.

This half-day workshop will present an introduction to Agent-Based Modelling and provide an opportunity to discuss the use of ABMs to aid investigation of key issues in New Zealand archaeology and environmental change.

Programme:

1.30 pm – Welcome by Dr George Perry, University of Auckland.

1.45 pm – Assoc. Prof. David O’Sullivan, University of Auckland: *Use of Agent-based modelling in Social Sciences*

2.30 pm – Prof. John Wainwright, University of Sheffield: *Agent based modelling of Neolithic landscape change in Southern France*

3.15 pm – Discussion forum: *Agent-Based Modelling and key issues in New Zealand Archaeology and environmental change*

4.30 pm – Drinks and nibbles

RSVP: Dr Gretel Boswijk (g.boswijk@auckland.ac.nz) by Friday 10 July 2009