

TTOM
Innovation Partnering Event

Dr Andy Kerr
Director, SAGES

SAGES Pooling Initiative:

>120 researchers

Centre for Earth System Dynamics
Graduate School: >20 students

**Theme 1:
Landscape Change**



**Theme 2:
Carbon Cycles**



**Theme 3:
Climate**



**Theme 4:
Society - Environment**



Data Acquisition

- Using smart phones to collect report on the forest state/carbon balance in Africa
 - Sensing greenhouse gas emissions at global and regional scale – satellites and ground monitoring stations
 - Monitoring methane emissions from upland peatlands in UK
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ecometrica



Models / visualisation

- Visualising impact of policies on urban / rural environment
- Developing simulation models to help decision makers understand impact of different actions
- Developing agent-based models of decision making processes in society



Simulistics

Technology development

- Developing technology for identifying irradiated food/ingredients – e.g. pulsed photon-simulated luminescence
- Developing geospatially linked backpack systems to measure radioactivity – to map semi-urban environments



Scottish Universities Environmental Research Centre



Contacts

Andy Kerr

SAGES

University of Edinburgh

t. 0131 650 8523 / 0771 819 2995

e. andrew.kerr@ed.ac.uk

