



COURSE

APPLYING DYNAMIC LANDSCAPE MODELS FOR RESEARCH AND SUSTAINABLE FOREST MANAGEMENT: EXPERIENCES AND LESSONS FROM ACROSS CANADA, FINLAND AND CATALONIA

SOLSONA, MAY 5TH 2010

PRESENTATION

Landscape ecology focuses on interactions between pattern and process. Landscape models provide a practical tool for landscape ecologists to explore natural disturbance, habitat supply, potential impacts from climate change, endangered species recovery planning, sustainable forest management, cumulative impact assessments, connectivity analysis, etc.

This one-day course will focus on the development and application of spatial-dynamic landscape models for research and management of large spatial areas. Dr. Fall has developed a tool to build landscape models, SELES (Spatially Explicit Landscape Event Simulator) over the past 14 years, which has been used across Canada and elsewhere for research and decision support. Models have ranged from simple experiments (e.g. neutral models) to complex land-use planning and integrated analysis of coastal temperate rainforest ecosystems.

This course will draw on these experiences using a mixture of presentations of concepts and case studies. Depending on participant interest, some simple hands-on examples, and open discussion among participants on current/local issues.

LED BY

Dr. Andrew Fall

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Simon Fraser University, Canada and President, Gowlland Technologies Ltd, Canada.

ORGANIZATION

Miquel de Cáceres & Lluís Brotons
Centre Tecnològic Forestal de Catalunya

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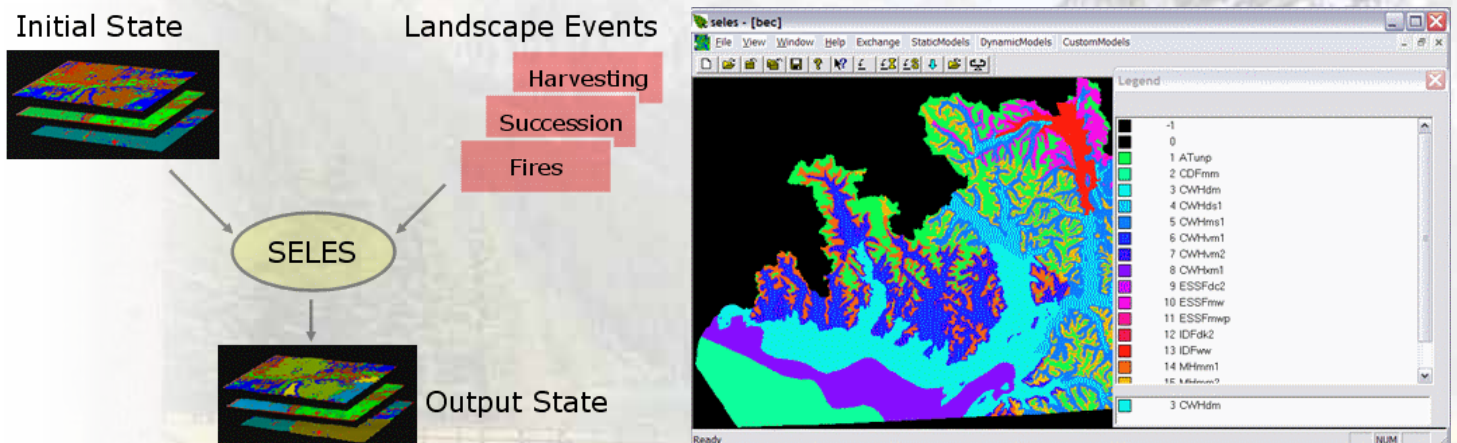
COURSE PROGRAMME

08:30-09:00	Arrival, registration and presentation of the activity
09:00-10:30	Theoretical framework and approach
10:30-11:00	Coffee break
11:00-13:30	Modeling applications 1
12:30-14:00	Lunch time
14:00-15:30	Modeling applications 2
15:30-16:00	Coffee break
16:00-18:00	Potential and future developments

WHAT ABOUT SELES?

The *Spatially Explicit Landscape Event Simulator* is a tool for constructing and running spatially explicit spatio-temporal landscape models that integrate natural and anthropogenic processes (e.g. fire, insect outbreaks, logging, succession) and track indicators (e.g. age class, habitat supply, timber volumes) over long time-frames and large spatial areas.

Researchers and managers use SELES in the fields of landscape ecology, simulation, and ecological modelling. SELES is useful as a tool for land-use planning scenario exploration, sustainable forest management, natural disturbance modelling and habitat modelling.



REGISTRATION

FEE: 45€, including course materials, coffees and lunch.

REGISTRATION:

- 1) Bank transfer at: 2100-0081-97-0200281317 (transfer taxes to be paid by the participant). **IMPORTANT:** include SELES COURSE and your NAME as transfer information.
- 2) Send the following information to lluis.brotons@ctfc.cat:
 - Bank transfer proof
 - Your personal or your company fiscal information (name, address, and fiscal identification number (NIF or CIF).

VENUE AND FURTHER DETAILS

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