

ALCES for Users

Date: November 19 - 23, 2001

Location: Environmental Training Centre, Hinton

Registration Fee: \$2,000 + \$140 GST*

Early-bird Registration Fee: \$1,500 + \$105 GST (if received before November 5)*

* Fees do not include accommodation and meals at the Environmental Training Centre; see Accommodation below.

This five-day course offers biologists, foresters, and other natural resource professionals an opportunity to understand how to use ALCES, A Landscape Cumulative Effects Simulator. ALCES® is a fast user-friendly internet-delivered landscape simulator that enables resource managers, society, and the scientific community to explore and quantify dynamic landscapes subjected to single or multiple human land use practices and various natural disturbance regimes (such as fire). ALCES assists resource managers in identifying strategic-level environmental and industrial problems associated with landscape sustainability and in discovering mitigation strategies for issues related to flows of natural resources. ALCES can be run for relatively small landscapes (for example, a quarter-section) or for large regional landscapes of millions of hectares. Additional information is available at http://www.foremtech.com/products/pr_alces.htm

After completing this course, students will:

1. Understand the data and other technical and logistical requirements needed to support an integrated land management process using ALCES.
2. Be able to forecast changes in landscape structure and composition from existing conditions based on AVI or satellite imagery, incorporating ecological processes of natural disturbance, vegetation succession, and hydrological cycles.
3. Be able to forecast the potential flow of natural resources such as timber and petroleum, agricultural products, and social measures of employment, recreation opportunities, and traditional land uses.
4. Have completed challenging hands-on exercises that demonstrate the potential effects of multiple land uses on landscape composition and natural resource flows and values, including forestry, energy, agriculture, transportation, protected areas, recreation, and urbanization.

Who should attend?

This course is intended for persons with technical responsibility for supporting regional strategic planning processes such as the Northern East Slopes Strategy, the Regional Sustainable Development Strategy, and other planning initiatives such as Detailed Forest Management Plans, Irrigation Plans, Environmental Impact Assessments. Persons with responsibility for directing such initiatives are encouraged to participate in a one-day course, ALCES for Managers.

Instructors

Brad Stelfox and Daniel Farr

Registration

Complete the ALCES Registration Form available at <http://www.foremtech.com/education>. Room and board at the ETC must be reserved separately by completing the ETC registration form at <http://www3.gov.ab.ca/env/resedu/etc/pre.html>, and returning it to the address given on the ALCES Registration Form.

For more information

Background information, course objectives, agenda, and recommended reading are available at <http://www.foremtech.com/education>, or contact Harry Archibald, Integrated Resource Management Division, Alberta Environment, phone 780-422-4578, email Harry.Archibald@gov.ab.ca.

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