

GOFC INFORMATION PRODUCTS FOR FOREST AND LAND MANAGEMENT IN SIBERIA/FAR EAST

Workshop Overview

This prospectus outlines the one-day workshop **GOFC Information Products for Forest and Land Management in Siberia/Far East**. The goals of the Global Observation of Forest Cover (GOFC) program are to coordinate on-going space-based and in-situ observations of forests to facilitate sustainable management of terrestrial resources and to obtain an accurate understanding of the terrestrial carbon budget. GOFC works to meet this goal through completing the following objectives: 1) provide a forum for users and producers of satellite data to discuss needs and programs, 2) provide regional and global datasets, 3) promote globally consistent or inter-comparable methods for data processing, and 4) promote international networks for data access, data sharing and international collaboration (Adapted from GOFC Overview, www.gofc.org). A key mechanism for achieving these objectives is regional meetings. The goal for the regional meetings is that they lead to regional networks, and these regional networks then continue to provide the forum for on-going international collaboration and implementation. The GOFC program has been established in part to ensure that earth observation and other data are used effectively for the monitoring of natural resources. GOFC has a vision to share data and information leading to informed action.

The initial GOFC regional workshop on remote sensing of the Siberian/Far East forest will be held in Krasnoyarsk, Russia, on August 7. The theme for the meeting will be ***“GOFC Satellite Information Products for Forest and Land Management in Siberia/Far East”***. The goal of the Krasnoyarsk workshop will be formation of the core leadership team and production of a draft planning document for the Siberia/Far East network. This initial workshop will be followed by a larger regional workshop in Irkutsk in August 2003 where there will be a larger number of invited papers and leadership will share information, and planning goals with a larger audience. 2002 workshop presentations will be focus on science and management issues concerning the dynamics of the Siberian/Far East forest, and on satellite information needs and GOFC information products. GOFC leadership will provide overview presentations and guide discussions. Discussion and summary periods will be used to explore areas of greatest need as well as opportunities for international collaboration within the GOFC framework on remote sensing of Siberian/Far East forests.

The objectives to be met during the workshop are:

1. Clearly discuss and define the critical science AND management issues for a) fire, b) logging/land-cover conversion, and c) forest and ecosystem health.
2. Clearly discuss and define the priority GOFC information products and network needs for a) fire management, b) logging/land-cover management, and c) forest and ecosystem health management
3. Establish the components of a regional GOFC network that is also integrated into important infrastructures and existing networks in Siberia.

The objectives to be met after the workshop are:

4. Draft a planning document as a result of the Krasnoyarsk 2002 workshop.
5. Plan and implement next steps in the new regional network including the 2003 workshop in Irkutsk.

The outcome should be a strongly regional-led Siberian/Far East prototype regional GOFc network. This prototype network should be enabled to meet the goal of this workshop and that in 2003: to actively work to provide access to the best information products to sustain the important efforts of scientists and forest and land managers in Siberia/Far East.

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**GOFc INFORMATION PRODUCTS FOR
FOREST AND LAND MANAGEMENT IN SIBERIA/FAR EAST**

8:00-9:00 Registration

9:00-10:45 **Opening greetings from organizers/sponsors:**

- Introductions, goals, and format for the workshop
(Organizers: Bergen/Isaev/Vaganov/Gutman)

GOFc Introduction:

- Goals of the Global Observation of Forest Cover Program and Regional Networks (GOFc representatives: Townshend/Belward/Justice/Skole)

Discussion

10:30-11:00 **Break**

11:00-12:30 **Science papers: (20 minutes)**

- Isaev, A.S. Large-scale changes in Siberian boreal forests and their assessment by means of remote sensing data
- Shvidenko, A.Z., About the project on estimation of Siberian forests role in the global carbon cycle
- Blam, Y. Logging and Economics of Central Siberian forest industry
- Sheingauz, A.S. Logging and economics of Far East forest industry

1:00-2:00 **Lunch**

2:00-3:30 **Data and Management Papers: (20 minutes)**

- Bergen, K.M., Bartalev, S., Ippolitov, V. Remote sensing of Northern Eurasian forests: a review
- Vekshin, V.N., Skudin, V.M., Sokolov, V.A., Management of Siberian/Far East forests: data and information sources
- Gershenson, V. Russian remote sensing initiatives
- Malykh and Faleychik: GIS for environmental investigations of nature-protected forests of the Chita Oblast

3:30-4:00 **Break**

4:00 – 6:00 **Results From Region Networks and Programs (15 minutes)**

- TACIS (Rhein, M.)
- NEESPI (Deering, D., Shugart, H.)
- SIBERIA (Schmullius, C.)
- GOFC Western Russia/Fennoscandia Regional Network (Krankina, O.,Isaev, A.)
- Far East (TBA)
- China/Japan (Sun, G., Dye, D.)
- IGBP/GAME (TBA)

6:00 – 6:30 **Discussion and Conclusion of Workshop Day 1**

Thursday A.M.

9-12 **Discussion: Formation of the Prototype Regional Network for Siberia/Far East**
Participants: all attendees who want to play a role in the GOFC Siberia/Far East regional network.
(Leads: Isaev, Vaganov, Bergen, Gutman, Townshend, Justice, Skole, Belward)