

GOFC-GOLD

Global Observation of Forest and Land Cover Dynamics



NERIN

Northern Eurasia Regional Information Network

The goal: to promote and coordinate the production and provision of Earth System observations for a wide range of user communities in the region and to the global Earth Science community.

Задача: поддержка и координация сбора и распространения наблюдений за поверхностью Земли для широкого круга пользователей в регионе и для специалистов по глобальным изменениям

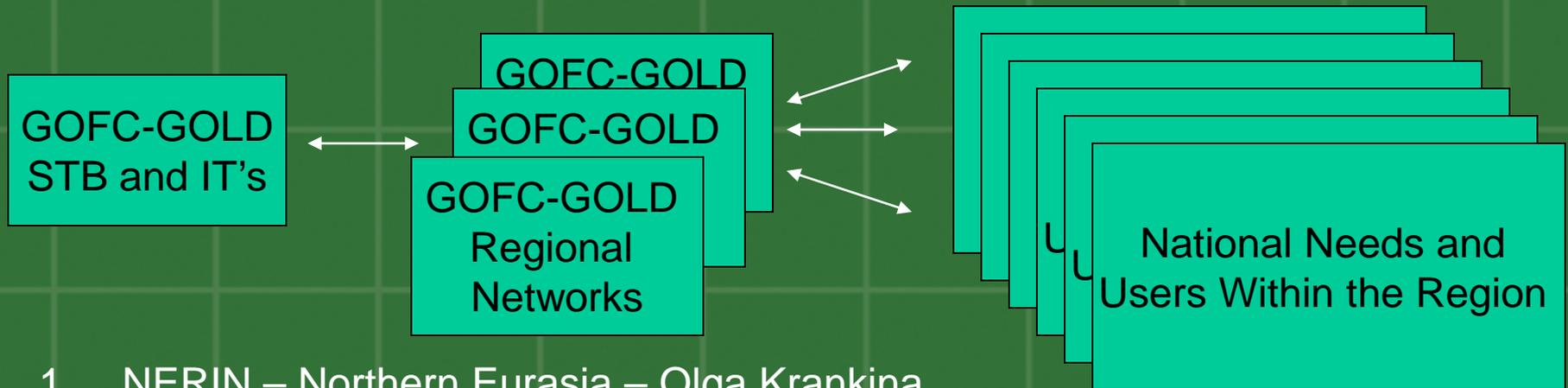
Thematic components - Land-cover and Fire

Тематические компоненты – Растительный покров и Пожары

Regional Networks

a critical component of the implementation of GOFC-GOLD

Providing the interface between the Implementation Teams and national level data users



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2. SEARRIN - South East Asia – Mastura Mahmud
3. OSFAC - Central Africa – Patrick Lola Amani
4. Miombo - Southern Africa – Dominick Kwesha
5. SAFNET – Southern Africa – Blessing Siwela and Philip Frost
6. Latin America - Carlos DiBella
7. WARN – West Africa – Cheikh Mbow



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NERIN Workshops

(or how we got ourselves organized)

- Boreal Forest Workshop -Novosibirsk, Russia, August 2000
- Regional workshop for Western Russia-Fennoscandia -- St. Petersburg, Russia, June 2001
- Northern Eurasia Earth Science Partnership Initiative (NEESPI) workshops -- Suzdal', April 2003; Yalta, September 2003
- "Observational Data in Support of NEESPI", St. Petersburg, Feb. 23-26, 2004
- "Observations of land cover and needs of research projects in Northern Eurasia", June 18-19, 2005, St. Petersburg, Russia
- "NELDA project" July 8, 2006, Tomsk, Russia
- "Detection and Validation of Land-cover Change", December 15-16, 2006, Moscow, Russia
- "Requirements for Observations of Landcover Dynamics in Dryland Regions of Northern Eurasia", September 20, 2007, Urumqi, China
- "Land Cover Mapping at High Latitudes", July 9-11, 2008, Syktyvkar, Russia
- **"Monitoring land cover, land use and fire in agricultural and semi-arid regions of Northern Eurasia", September 15-21, 2009, Almaty, Kazakhstan**
- **Next?**



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METADATA

Bringing Scientific Data to Light

Make NERIN community aware of available data resources

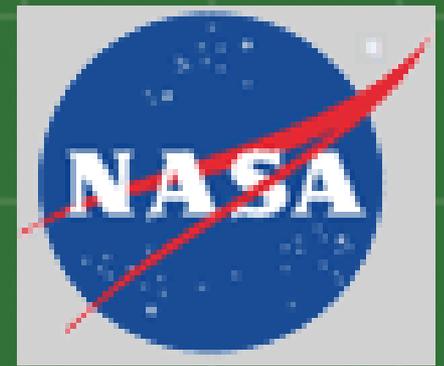
180 data sets

<http://wwdata.forestry.oregonstate.edu/MDEDIT/index.aspx>

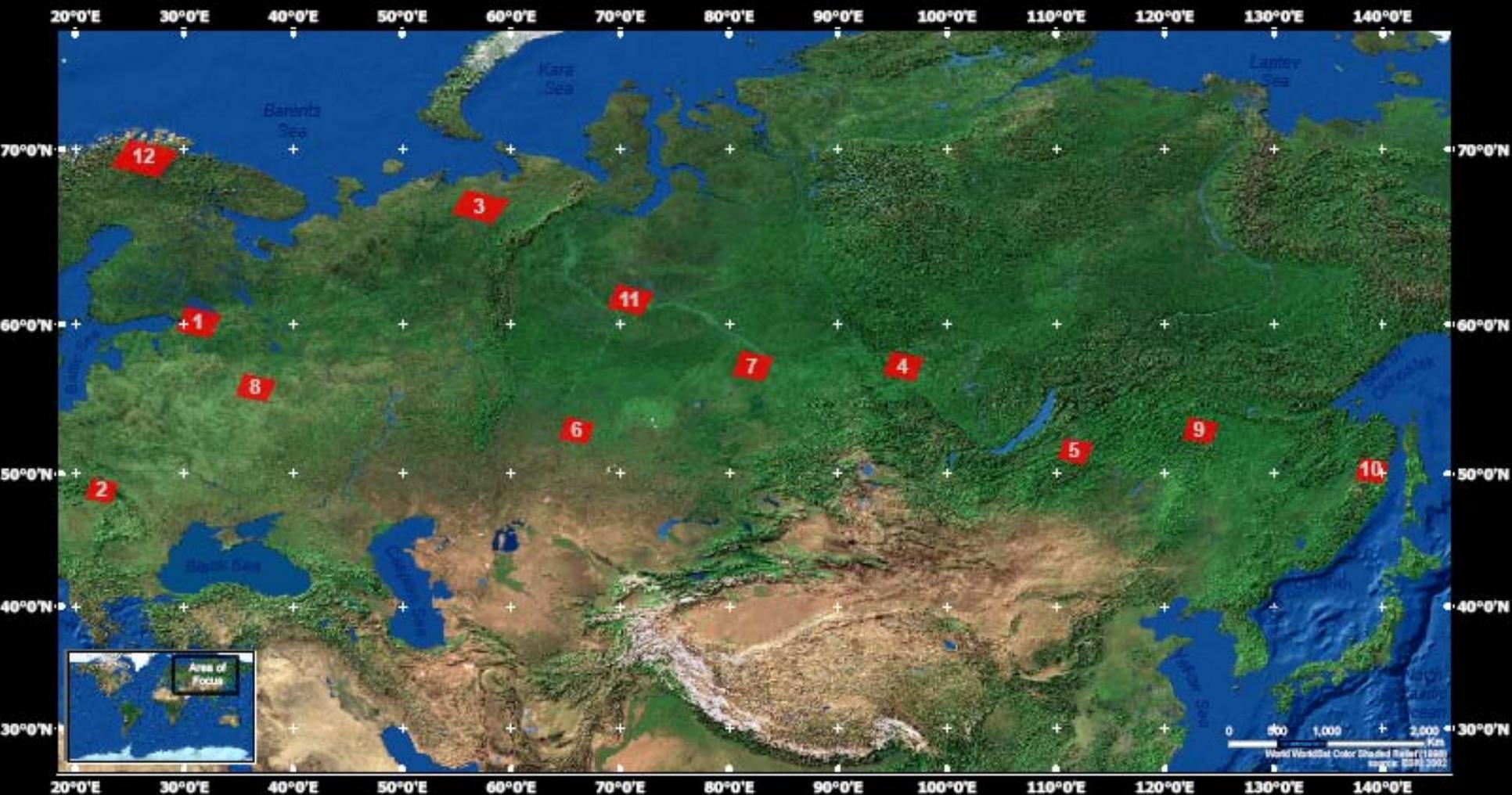
<http://nerin.scert.ru>

NEELDA

(Northern Eurasia Landcover Dynamics Analysis)



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NELDA Sites

- | | | |
|-----------------------------------|--------------------------------|-------------------------------------|
| 1 CARPATHIANS (p186 r20) | 5 CHITA (p129 r24) | 9 AMUR (p122 r23) |
| 2 ST PETERSBURG (p184 r18) | 6 KAZAKHSTAN (p160 r24) | 10 Khabarovsk (p111 r25) |
| 3 KOMI (p171 r13) | 7 VASYUGANJE (p149 r20) | 11 KHANTY-MANSI (p159 r17) |
| 4 PRIANGARJE (p141 r20) | 8 MOSCOW (p179 r21) | 12 FINNMARKSVIDDA (p193 r11) |

GOFC-GOLD Regional Network Data Initiative

Goals

- Disseminate Landsat and other US earth observation data in regions where available distribution methods are not effective
- Compile regional and in country data sets relevant to land cover and fire observations and make them freely available
- Engage regional expertise in global data set development, evaluation and validation

Opportunity

- USGS opened free access to Landsat 4–7 archive at EDC
- Growing MODIS record and availability of MODIS-based fire and LC/change products

Approach -- establish data distribution nodes within GOFC-GOLD regional network structure

- Given the problems with internet data access in Africa, African pilot workshop was a priority



Participants and organizers of Africa Pilot Workshop at EDC, Sioux Falls, South Dakota, USA, April, 2009



GOFC-GOLD Regional Network Data Initiative

(Continued)

- **Next Step – Data Initiative - Asia**
 - Workshop planned for April-May, 2010
 - Identify participants
 - Collaborate with participants on preparing for the workshop



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Is it time to form NERIN-South Network?

Main web page <http://www.fao.org/gtos/gofc-gold/>

Land cover IT web page <http://www.gofc-gold.uni-jena.de/>

Fire IT web page <http://gofc-fire.umd.edu>