



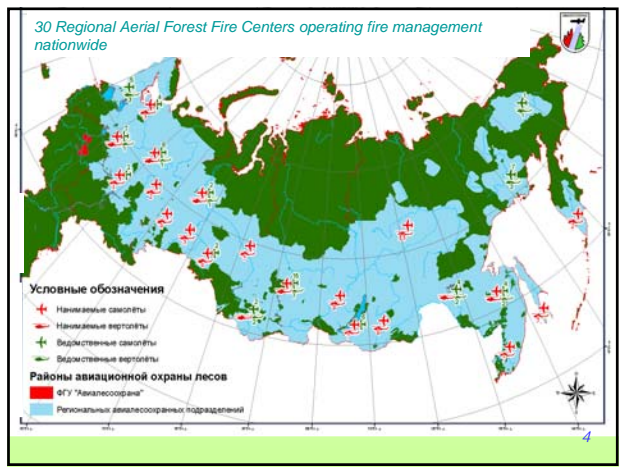
1931 г 2009 г

Development of Aerial Forest Fire Center and Role of GFMC in Wildfire Management of Russia


Andrey Eritsov




Forest fund of Russia is 1,2 bln ha
Annual number of forest fires 20 000 – 30 000
Area burned 2 mln – 3 mln ha on protected territories




Dynamics of personal




Heli-rappellers

4300




Smokejumpers

600



Aerial Fire managers

971



Pilots of own aviation

150

After reorganization in 2007

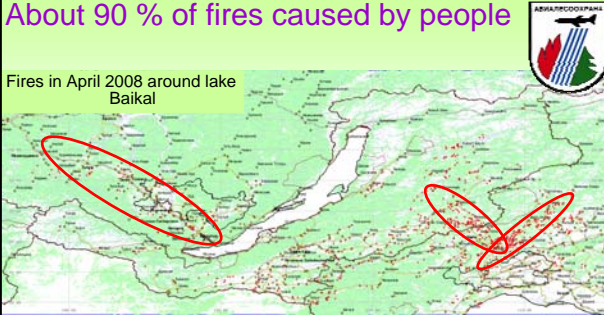

2200

300

150

5

About 90 % of fires caused by people

Fires in April 2008 around lake Baikal

Most fires ignited along routes, nearby lakes and rivers

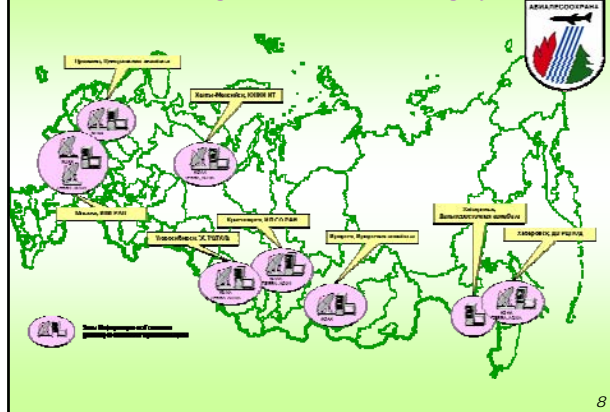
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National Aerial Forest Fire Center provide:



- ❖ Forest fire monitoring based on remote sensing
- ❖ Aviation monitoring of forest in Moscow region
- ❖ Training of fire management personal
- ❖ Control of regions on fire management

Information Receiving Stations of Monitoring System



Monitoring system provides following data:

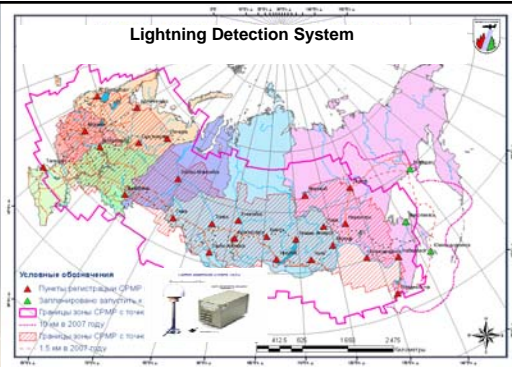


- Daily reports on forest fires nationwide
- Space imagery of forest fires
- Weather data, including weather forecasts
- Lightning detection information
- Comparative data of fires based on space imagery and information from the regions

Comparisons of fire data provided by regions and information from monitoring system

№ №	Regions	Area burned according monitoring data (x 1000 ha)	Area burned according reported information from the regions (x 1000 ha)	Difference	
				x 1000 ha	Times
1	Far East Region	2659,8	965,5	-1694,7	-2,8
2	Volga Region	18,6	5,3	-13,3	-3,5
3	North West Region	12,2	3,9	-8,3	-3,1
4	Siberian Region	3147,4	401,2	-2746,2	-7,8
5	Ural Region	247,9	107,7	-140,2	-2,3
6	Central Region	14	3,2	-10,8	-4,4
7	Southern Region	4,5	2,9	-1,6	-1,6
Total, Russian Federation		6104,4	1489,7	-4614,7	-4,1

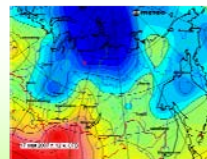
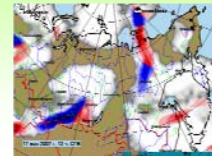
Lightning Detection System



WEATHER FORECAST for FIVE-DAYS



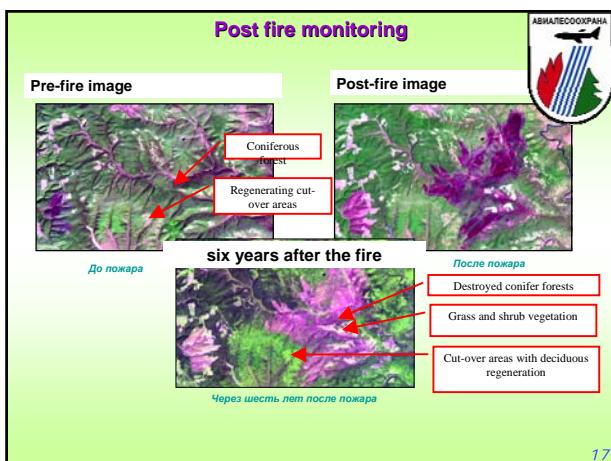
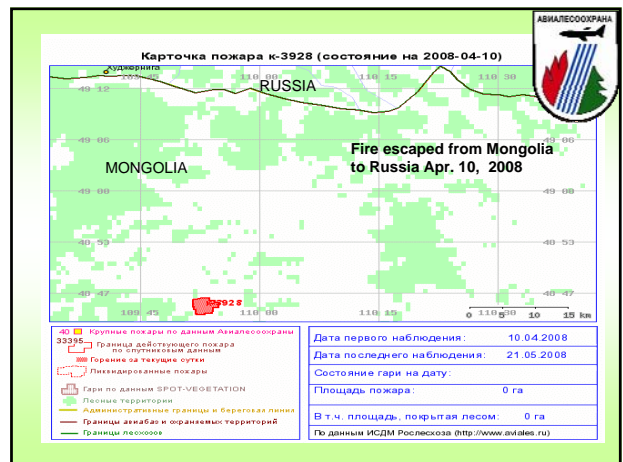
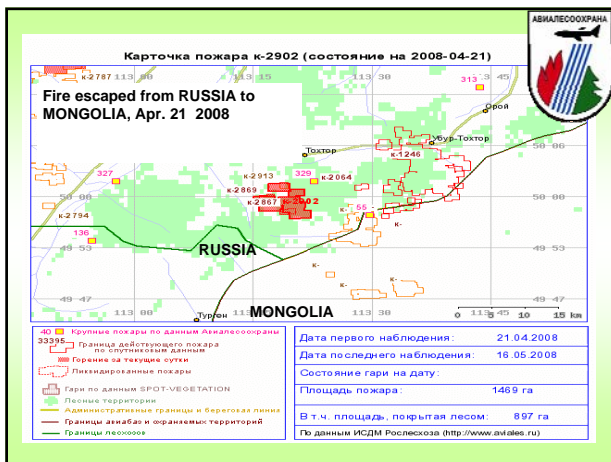
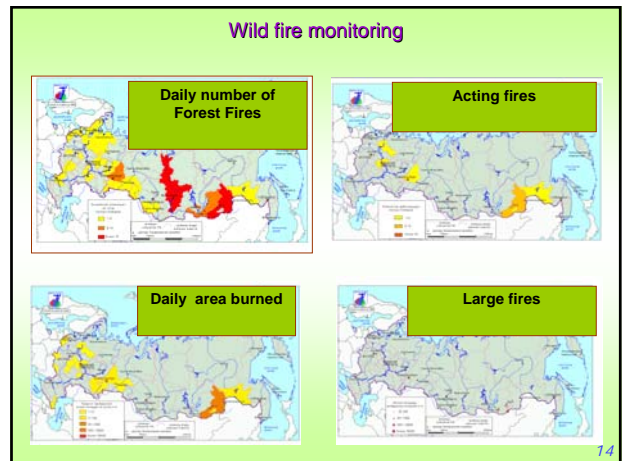
CLOUDINESS Forecast



TEMPERATURE FORECAST



PRECIPITATION for 6 hours



Global Fire Monitoring Center highly involved to Russian Wildfire management since 1991



Main issues of GFMC activity in Russia

Main issues of GFMC activity in Russia



- International Conference @Fire in Ecosystems of Boreal Eurasia and International Bor Forest Island Fire Experiment, Krasnoyarsk 1993
- Organization of 1-st International conference on "Forest Fire and Global Change", Shushenskoe-Krasnoyarsk 1996
- Organization of International Conference in Khabarovsk "Fire on Ice", Khabarovsk 1997
- Joint project with Tacis on Development of Information System, 1997-2002

Main issues of GFMC activity in Russia



- Development of training program in Ural air base 2000-2001 and in Freiburg, Germany for Russian managers jointly with US BLM
- Participation on Annual meeting of Aerial Forest Fire Managers: 2000, 2003, 2005, 2007
- Assistance on Development of Aerial Forest Fire Center Web site
- Promotion of Russian Fire Management Activity and Fire information worldwide
- Development of Vocabulary of Fire Management
- Co-organizer of International Consultations on transboundary fires, Chita - May 2009

Joint ICS training program





Спасибо !