

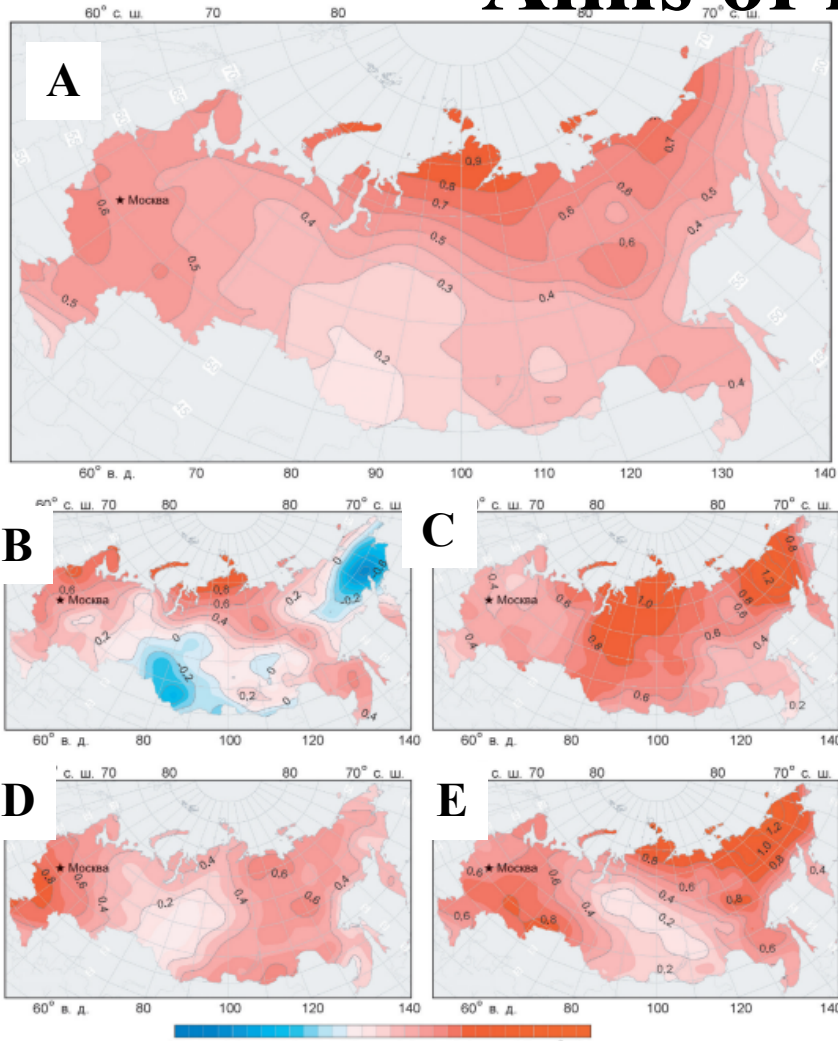


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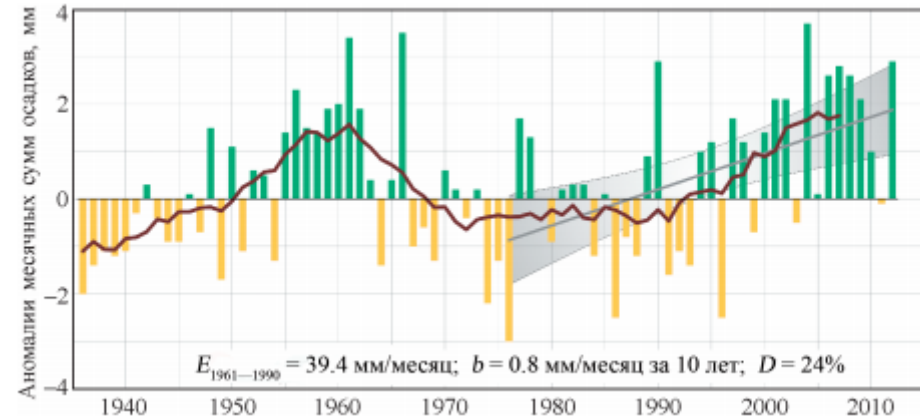
**Seasonal and annual variability of  
coefficient of degree of fire-danger of  
Ob and Tom interfluves at the  
present period**

**Enviromis - 2016**

# Aims of research



*Pic. 1. The geographic distribution of the coefficients of the linear trend of average annual (A) and average seasonal (B-E) temperature in Russia (1976-2012); B) winter; C) summer; D) spring; E) autumn.\**



*Pic. 2. The average annual monthly precipitation anomalies (1936-2012).\**

*\* The second assessment report by Rosgidromet on climate change and their impact on the territory of the Russian Federation (2012).*

## The hydrothermic coefficient of degree of fire-danger

$$CFD_n = \sum_{J=1}^n t_J (t_J - \tau_J)$$

***CFD*** – coefficient of degree of fire danger;

***n*** – days **without precipitation** or with 2,5 mm less precipitation;

***t*** – air temperature near 13 a.m.;

***τ*** – dew-point temperature.

# Object of research is of the territory Ob and Tom interfluves

Near the large city of Tomsk.

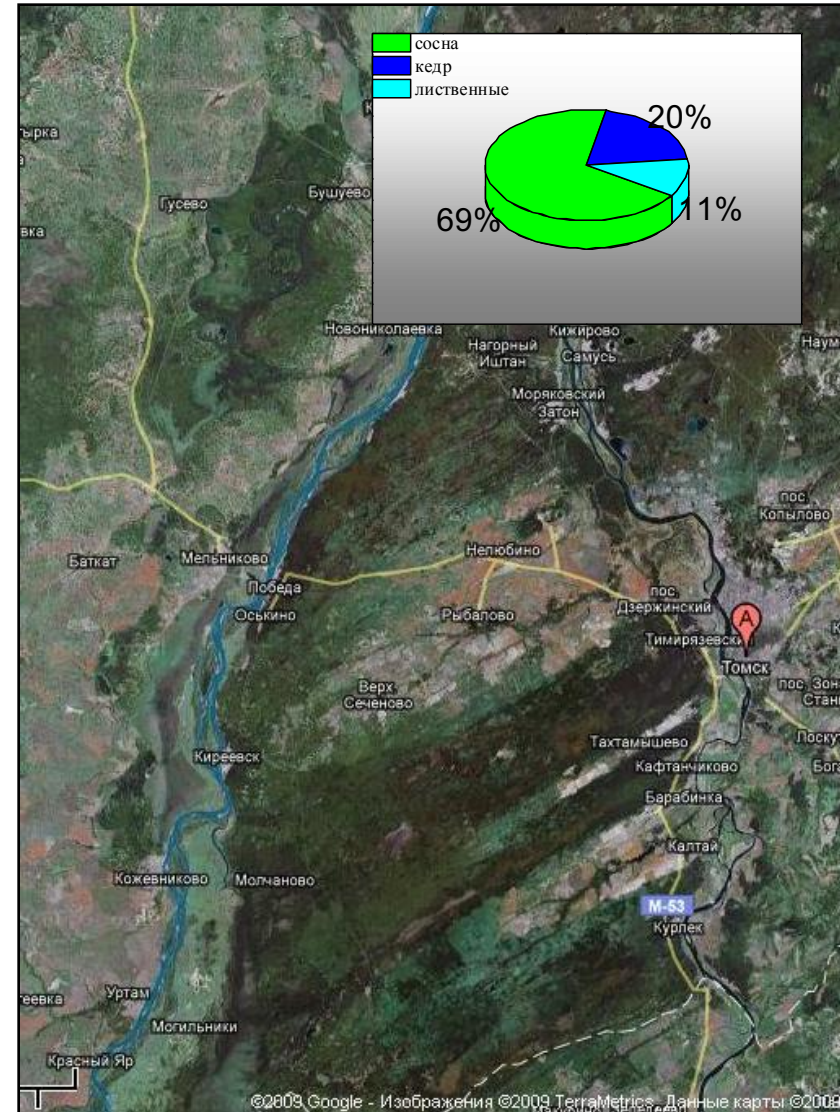
In the climatic is formed under defrosting influence of the Ob and Tom Rivers.

Average annual temperature near – 1.3 °C.

The features of regional climate are the cold winter and hot dry summer.

The average annual fire-dangerous season makes 100-110 days and lasts since the beginning of May and to the second decade of September.

The maximum number of the fires happens in June and July.



# Results

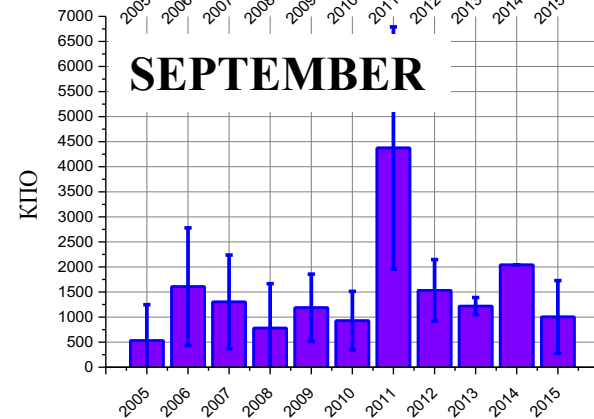
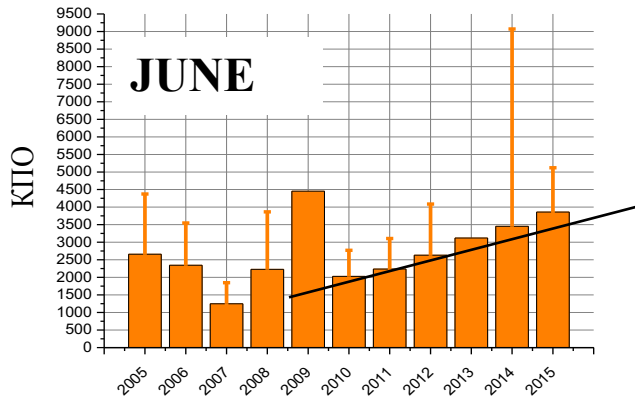
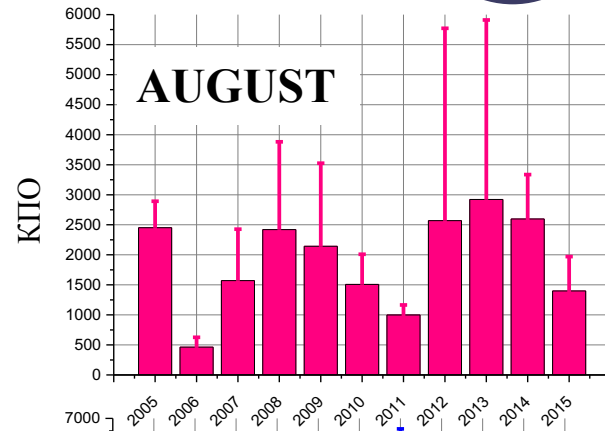
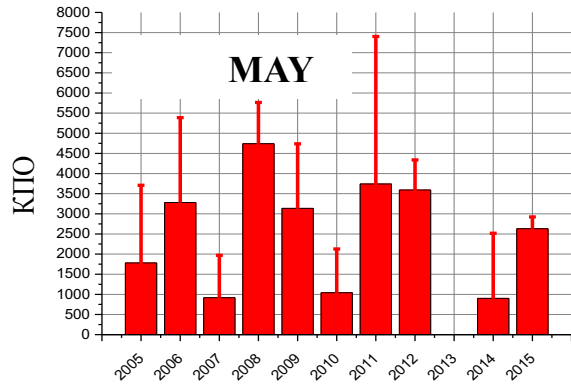
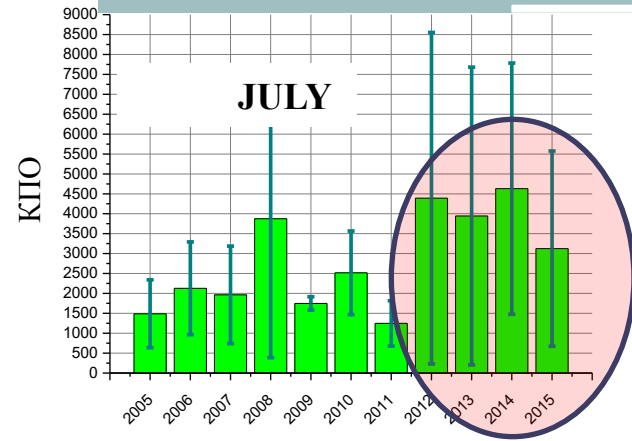
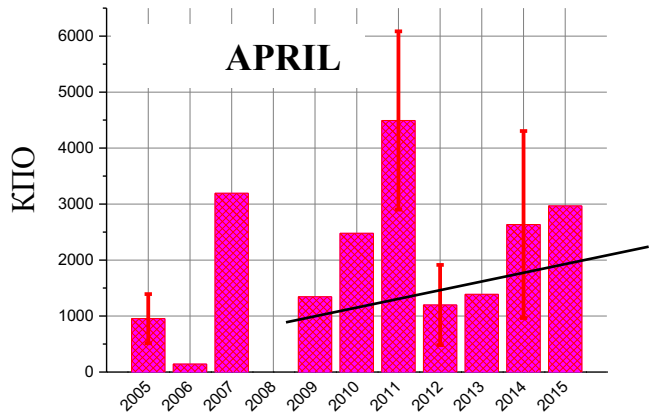
Table 1.

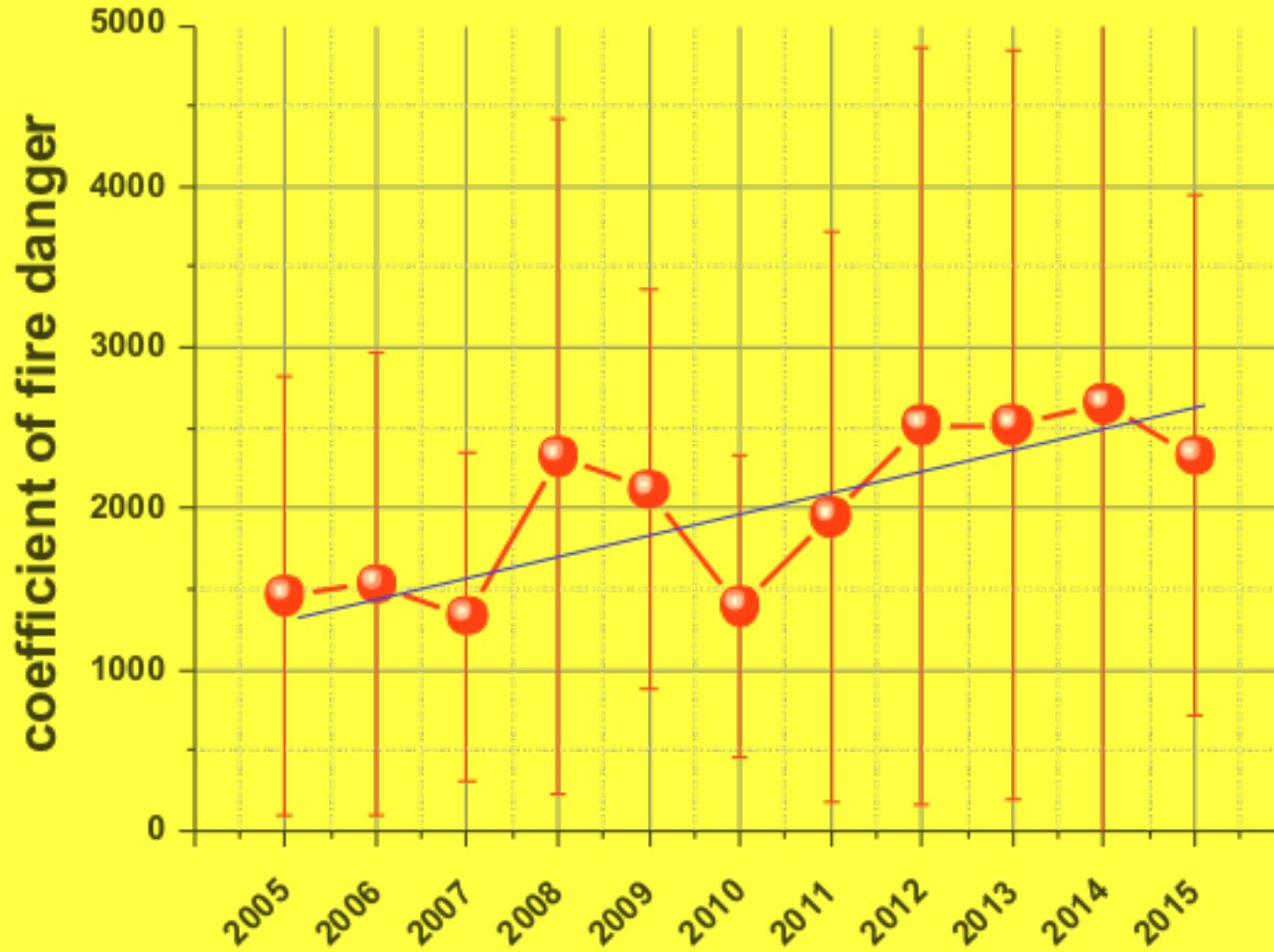
Fire danger class	Fire-danger
I class (to 300)	absent
II class (301 – 1000)	Low
III class (1001 – 4000)	Medium
IV class (4001 – 10 000)	High
V class (more 10 000)	Significant



Table 2.

Period of fire-danger season	Upper limit of coefficient of fire danger				
	Class				
	I	II	III	IV	V
<b>spring-summer</b> (melting snow cover – 9 June)	150	700	2000	10000	>10000
<b>Summer</b> (10 June – 31 August)	550	2000	5500	10000	>10000
<b>summer-autumn</b> (1 September – snow cover)	200	800	1400	10000	>10000





# Thank you for attention

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