NEESPI/SIRS capacity building program: from CITES/ENVIROMIS YS conferences to continuous learning on the base of web-GIS platform "Climate"

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Environmental issues

Necessity to operate with

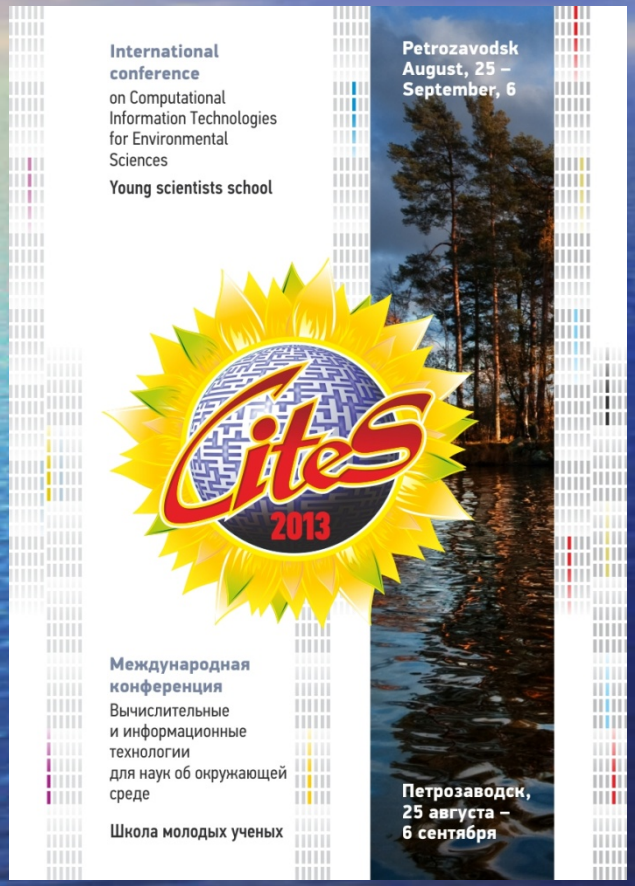
- sophisticated computational models
- huge archives of geo-referenced observational and modeling data
- analysis

Two steps in training of future professionals in Earth system sciences:

- organization of young scientists schools and and interdisciplinary conferences

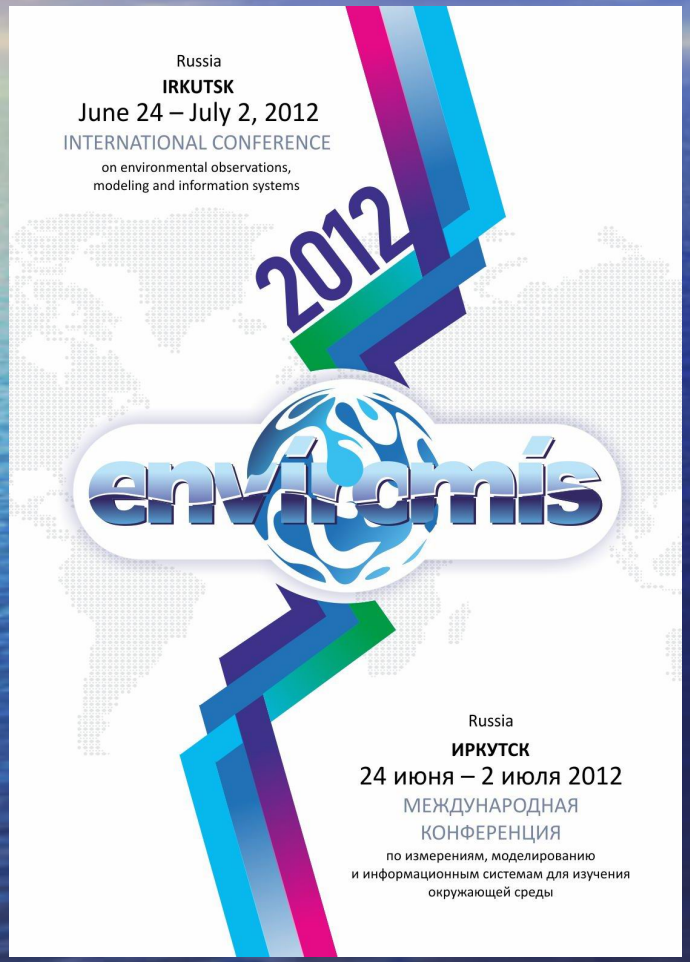
- usage of thematic informational computational systems

Young Scientists' schools CITES



- a thematic school with short lecture courses on selected topics of informational – computation technologies, one of which is supported by training sessions
- a thematic conference where the audience is enlarged by invited specialists including regional decision makers

Multidisciplinary conferences ENVIROMIS



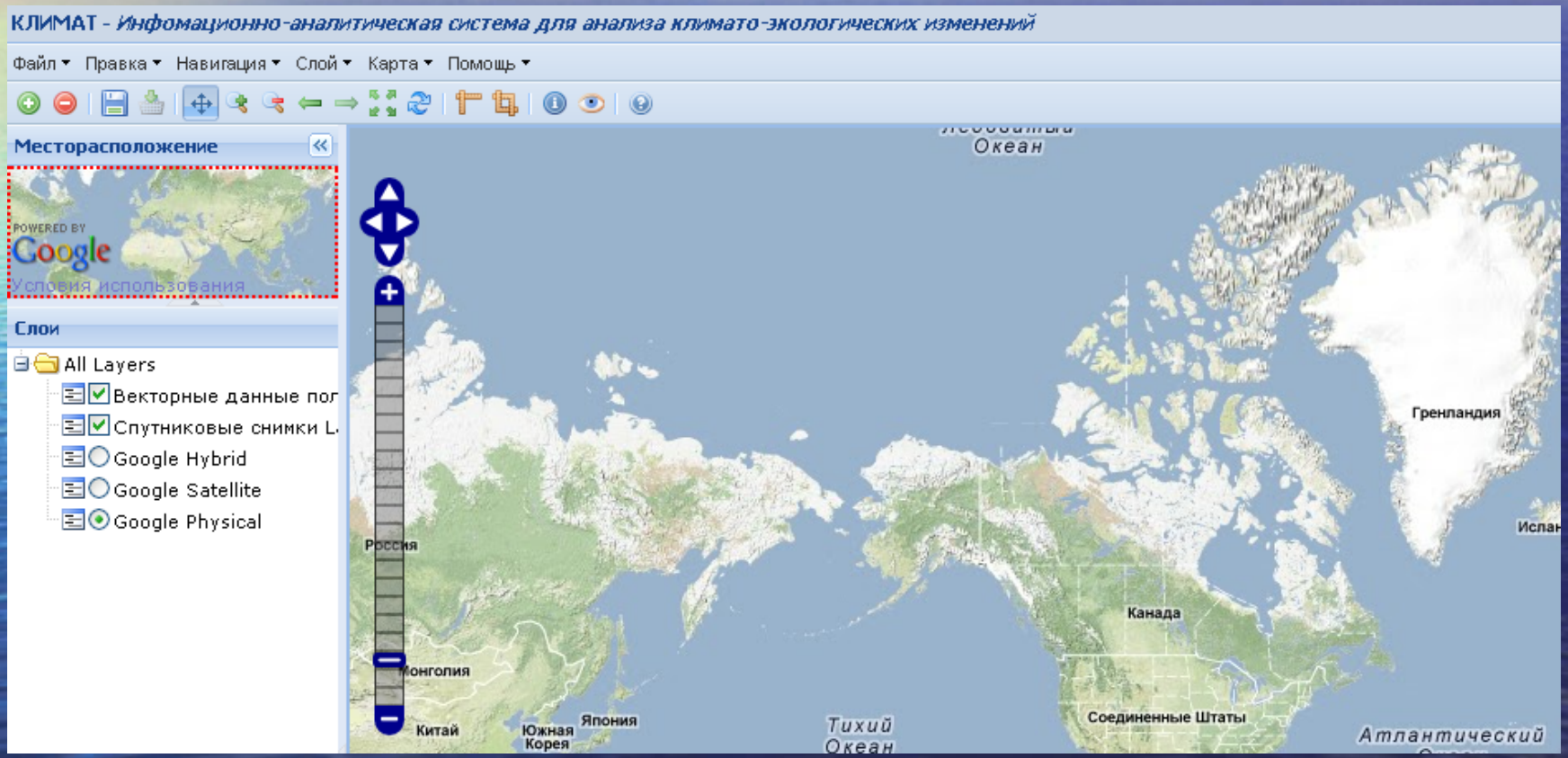
- basic set of thematic sessions
- invited lectures on each area embedded into the conference program

Seven ENVIROMIS and **six** CITES events

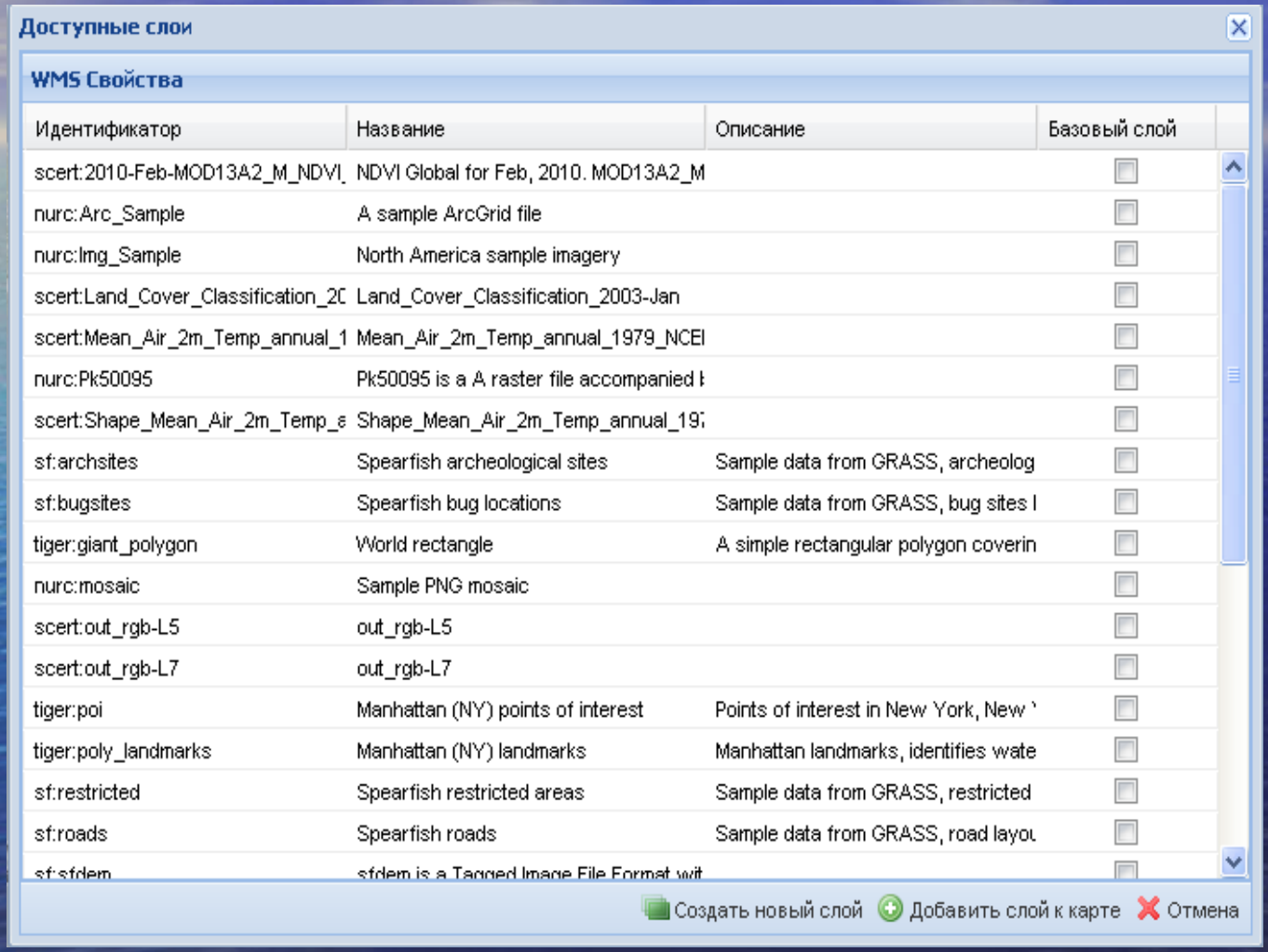
- total number of participants - 1900
- young scientists 865
- foreign scientists 228

Window of web-GIS system

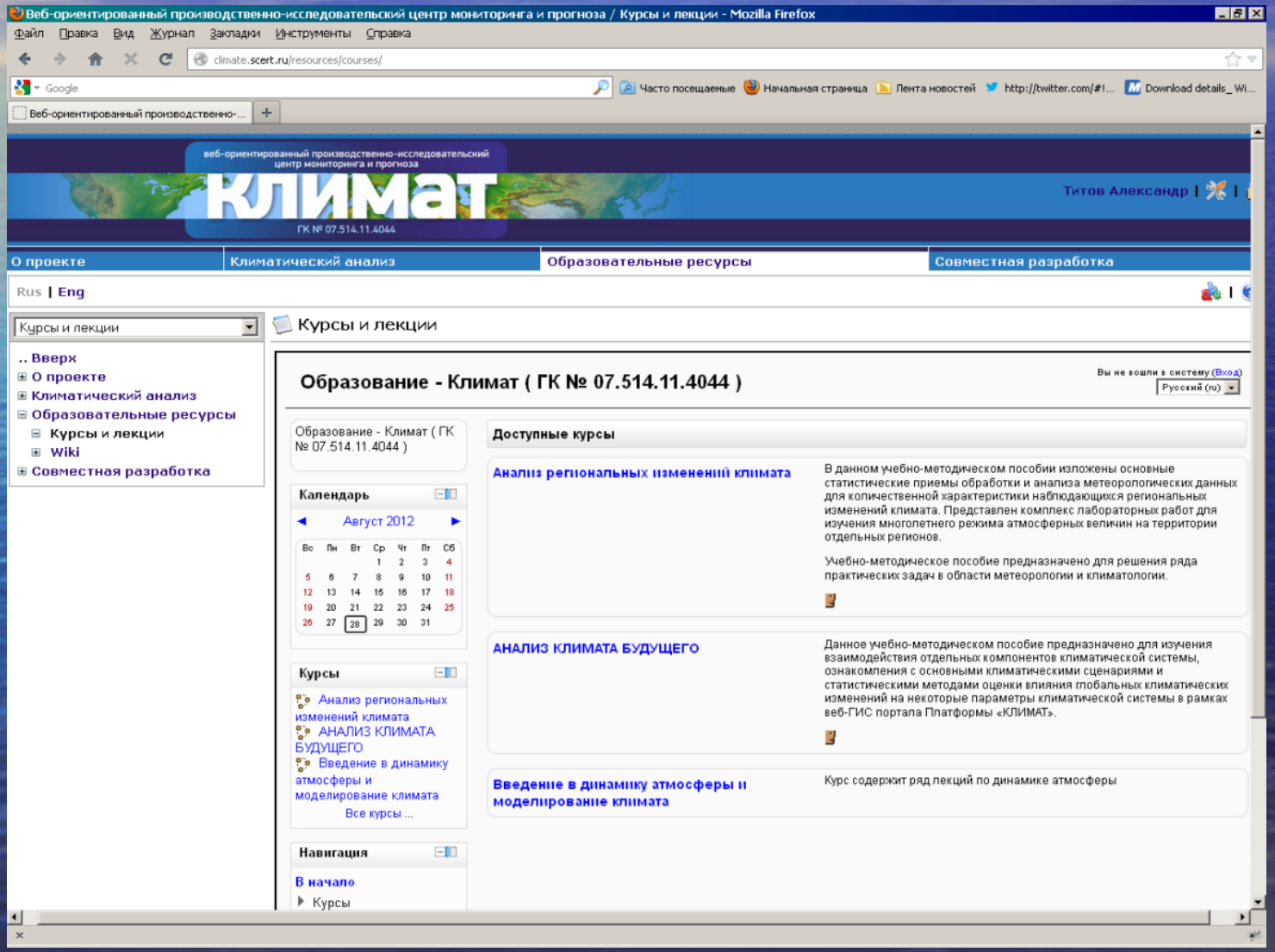
http://climate.scert.ru/



Window “Layers”



“Educational resources” window



Educational block of the platform "Climate"

"Analysis of regional climate changes":

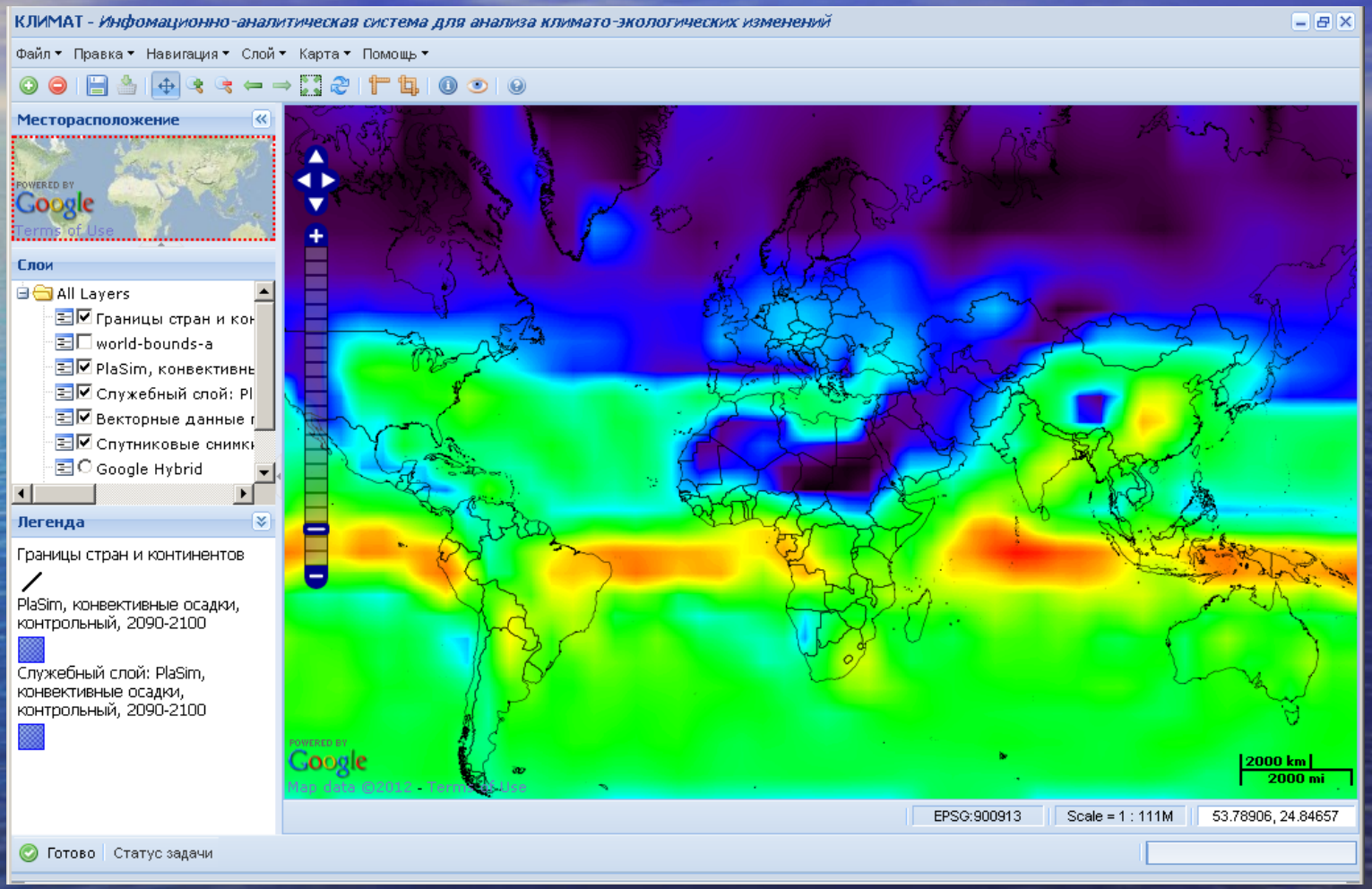
- description of the main statistical methods of processing and analysis of meteorological data which are used to characterize the ongoing changes of regional climate
- trainings to study a long-term dynamics of climatic variables in the selected regions

Educational block of the platform "Climate"

"Analysis of future climate":

- analysis of changes of different climatic characteristics and their correlations
- trainings with results of the model "Planet simulator" calculations

Training results



Plans

- Bilingual portal
- Tests for observational series homogeneity

THANKS FOR YOUR ATTENTION