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

Petrozavodsk International August. 25 conference 1111 September, 6 on Computational 1111 Information Technologies 111 for Environmental Sciences Young scientists school Международная конференция Вычислительные и информационные технологии для наук об окружающей Петрозаводск среде 25 августа -Школа молодых ученых 6 сентября

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 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

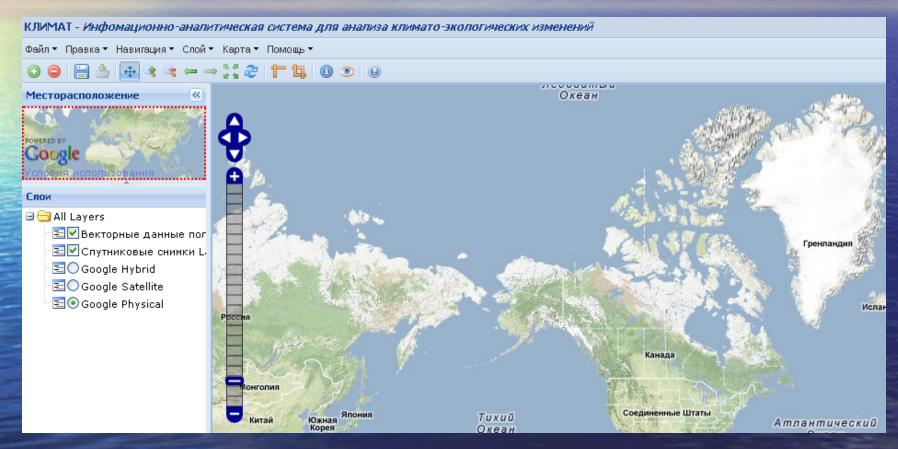
 invited lectures on each area embedded into the conference program

Seven ENVIROMIS and six CITES events

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

Window of web-GIS system

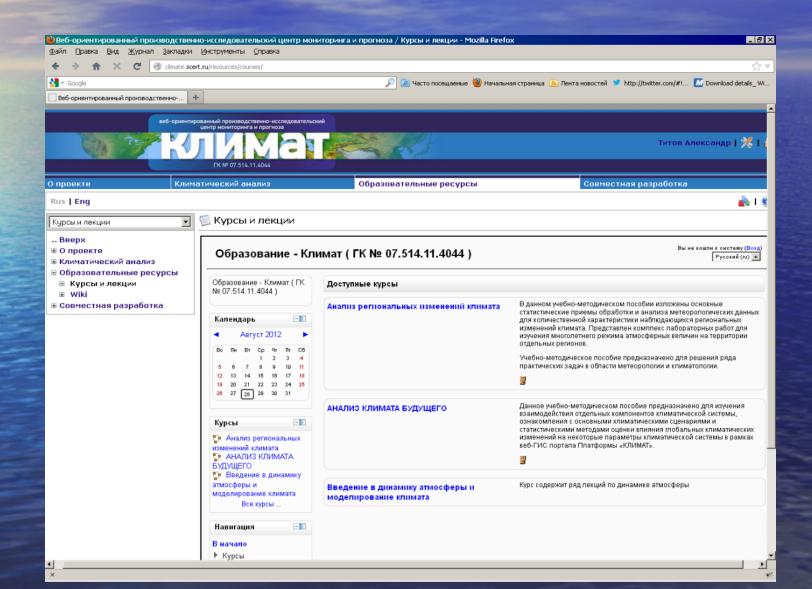
http://climate.scert.ru/



Window "Layers"

Доступные слои				×
WMS Свойства				
Идентификатор	Название	Описание	Базовый слой	
scert:2010-Feb-MOD13A2_M_NDV	I_NDVI Global for Feb, 2010. MOD13A2_M			^
nurc:Arc_Sample	A sample ArcGrid file			
nurc:ling_Sample	North America sample imagery			
scert:Land_Cover_Classification_2	2 Land_Cover_Classification_2003-Jan			
scert:Mean_Air_2m_Temp_annual	1 Mean_Air_2m_Temp_annual_1979_NCE			
nurc:Pk50095	Pk50095 is a A raster file accompanied b			≡
scert:Shape_Mean_Air_2m_Temp_	s Shape_Mean_Air_2m_Temp_annual_19;			
sf:archsites	Spearfish archeological sites	Sample data from GRASS, archeolog		
sf:bugsites	Spearfish bug locations	Sample data from GRASS, bug sites I		
tiger:giant_polygon	World rectangle	A simple rectangular polygon coverin		
nurc:mosaic	Sample PNG mosaic			
scert:out_rgb-L5	out_rgb-L5			
scert:out_rgb-L7	out_rgb-L7			
tiger:poi	Manhattan (NY) points of interest	Points of interest in New York, New Y		
tiger:poly_landmarks	Manhattan (NY) landmarks	Manhattan landmarks, identifies wate		
sf:restricted	Spearfish restricted areas	Sample data from GRASS, restricted		
sf:roads	Spearfish roads	Sample data from GRASS, road layou		
sfisfdem	stdem is a Tagged Image File Format wit			Y
	📹 Создать новый слой 💿 Добавить слой к карте 🗙 Отмен			

"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

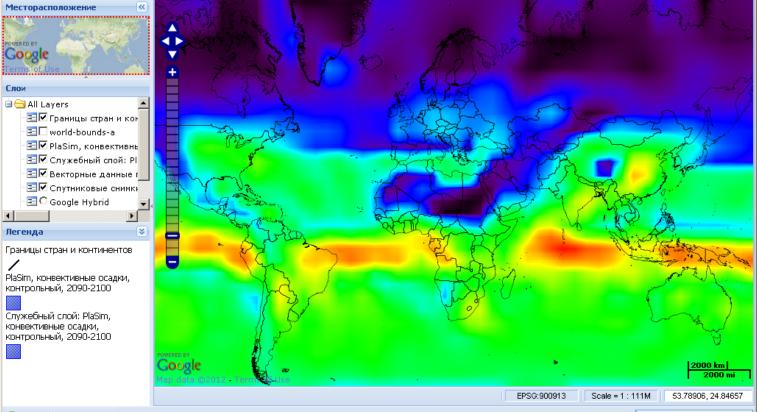
 trainings with results of the model "Planet simulator" calculations

Training results

КЛИМАТ - Инфомационно-аналитическая система для анализа климато-экологических изменений

Файл т Правка т Навигация т Слой т Карта т Помощь т





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📀 Готово 🛛 Статус задачи

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Bilingual portal Tests for observational series homogeneity

