

Software framework for development of web-systems for georeferenced data analysis

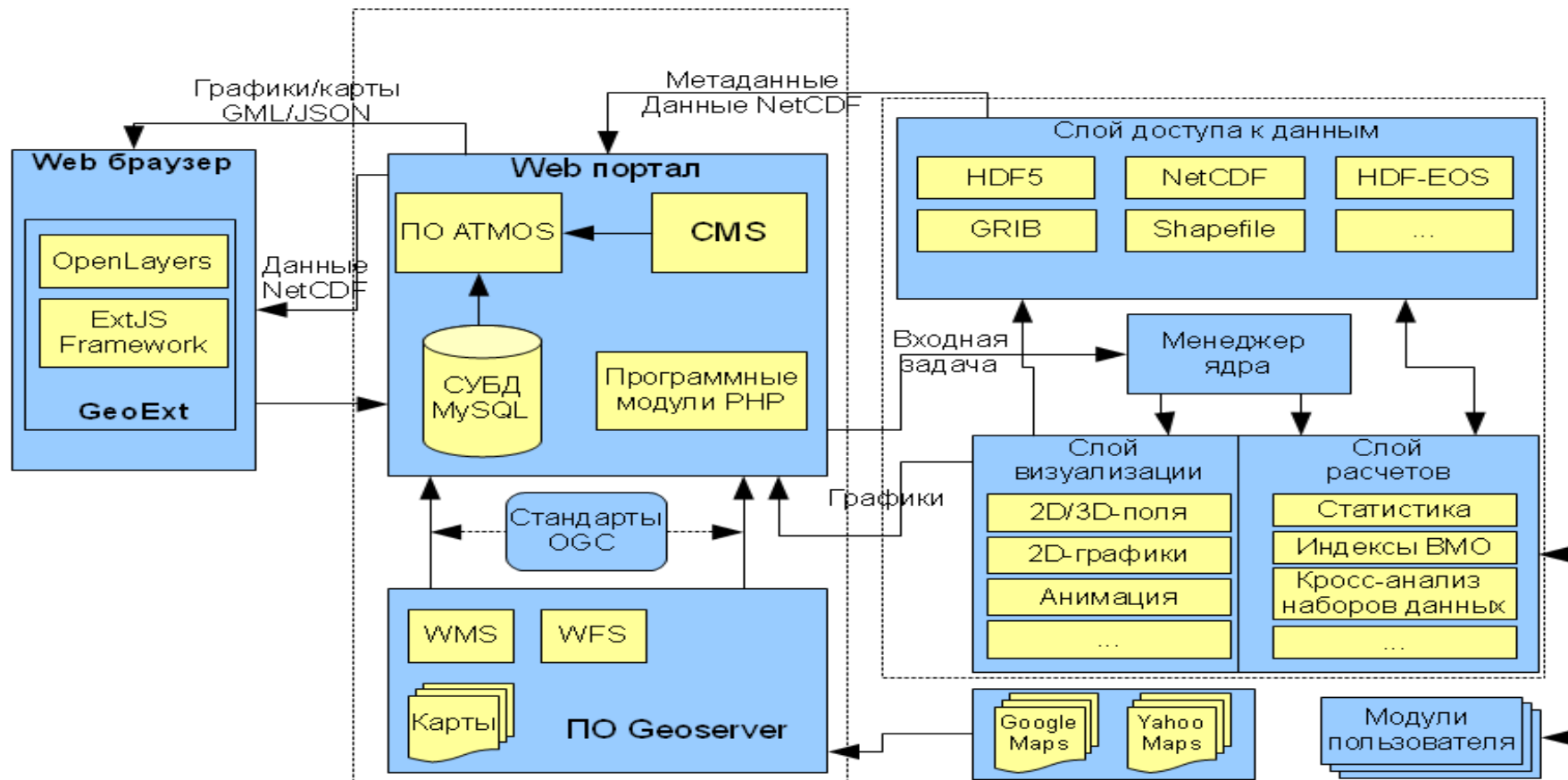
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Background & Objectives

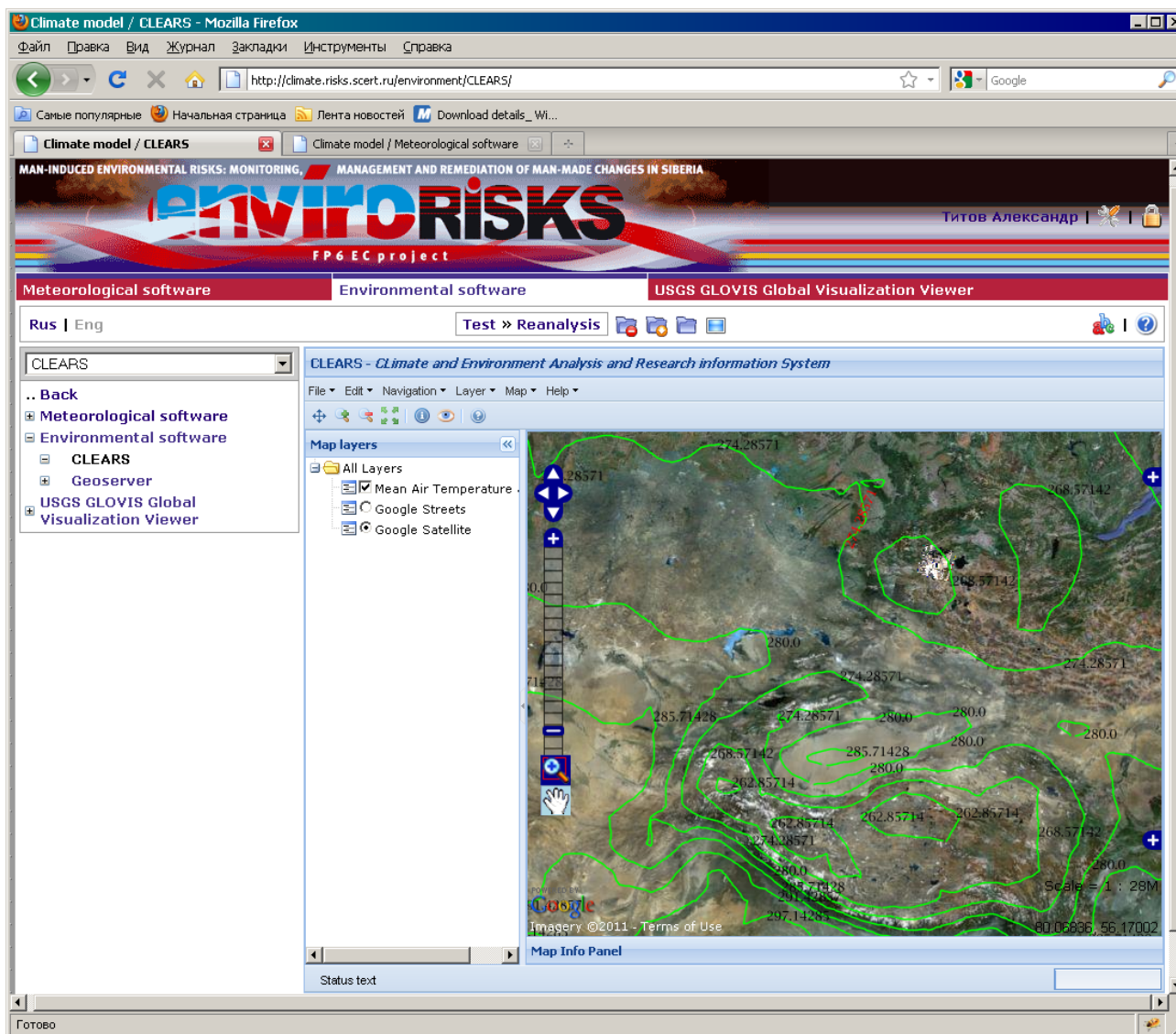
- Information-computational support of integrated scientific research in the area of climate and ecological monitoring
- A number of existing systems for geodata processing
- Great variety of application tasks to be solved
- Software framework for rapid development of thematic information-computational Web-GIS systems aiming at complex analysis of spatially distributed geophysical data
- Web-GIS approach advantages: independence of browser and OS versions, automatic application updates, providing basic desktop GIS functionality
- Using OGC (Open Geospatial Consortium) standards

Preliminary results



- Computational kernel, implemented in ITTVIS IDL
- A set of PHP-controllers run within specialized web portal
- JavaScript class library for building typical components of web mapping application GUI based on AJAX technology

Graphic user interface prototype example



Thank you for attention