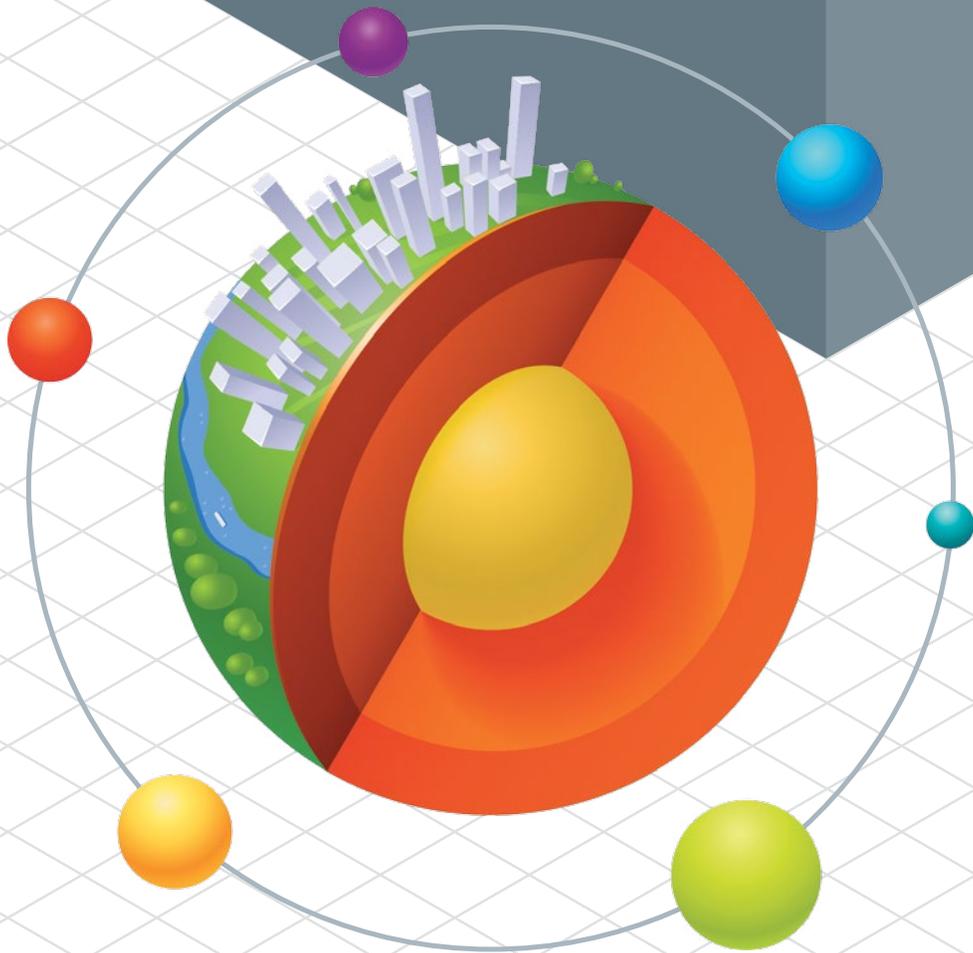# Prognoz
Platform

Prognoz Platform

The **Prognoz Platform** is a cutting-edge BI platform for building information systems. It can also be used as a standalone product. Most of our standard and custom solutions are built on top of this platform. The platform fully meets the modern demands of the global BI market. It has improved its position in the 2014 Magic Quadrant for Business Intelligence and Analytics Platforms report by Gartner, the world's leading information technology research and advisory company.

Key Benefits

- A comprehensive set of analytical tools for efficient management
- Embedded advanced analytics combined with a broad range of modeling and forecasting capabilities to help you gain future insights and make more informed decisions
- Interactive charts, graphs, and maps for visually-compelling analysis across a variety of data slices
- Self-service BI for fast data import and analysis that can lead you to new insights
- Access to analytical tools and ready reports via Web, desktop, and mobile applications, and easy export to popular formats

  To try the platform and its capabilities, use our free trial version and the Prognoz Data Portal cloud service, both of which are available on our Web site. You can find the mobile version of the platform on the App Store.

Prognoz Platform Architecture

Multiple Delivery Options

Desktop   Web   Mobile

Microsoft Office Integration

W   X   P

Collaboration, Portals and GIS Integration and Embedding

SharePoint   WebSphere.   bing maps   Open street maps

Google maps   Yandex maps   ArcGIS

Interactive Visual Exploration, Pixel-Perfect Reporting, Data Preparation and Advanced Analytics Components

Dashboards	Reports	Analytical Queries (OLAP)	Time Series Analysis	Modeling and Forecasting

Development Tools, External Products/Software Support and Data Integration Components

Data Warehouse Designer	Master Data Management	Extract, Transform, Load	Application Development Kit	Interactive Visualization Components

BI Administration, Metadata Management Components and Deployment Capabilities

Security Management and Administration	Metadata Management • Metadata Repository based on: MS SQL, Oracle, DB2, Teradata, PostgreSQL, SQLite • Internal file format support	BI Server, Web Services and Cloud

Data sources

| Big Data	Data Warehouses and Appliances		MDBMS	RDBMS	Flat files
hadoop Prognoz Data Portal	ORACLE EXADATA EMC² Greenplum IBM NETEZZA Data Warehouse Appliance Microsoft SQL Server 2008 SAP BW PostgreSQL HP VERTICA TERADATA		ODBO	OLE DB, ODBC	xls, dbf, csv, txt, xml, sdmx

Dashboards

Business users are now empowered with intuitive tools for creating dashboards in minutes, without the need for IT support.

- A wide range of powerful interchangeable visualizations including charts, maps, speedometer gauges, and spreadsheets
- Dashboard design via the platform's What-You-See-Is-What-You-Get, or WYSIWYG, interface
- Easy insertion of reports prepared with other tools such as Analytical Queries (OLAP) and Reports
- Analysis of multiple sources in a single visualization component
- Rich analytical capabilities and quick display of analysis output due to the embedded advanced analytics panel
- Concurrent multi-user analysis made possible with collaboration features

Reports
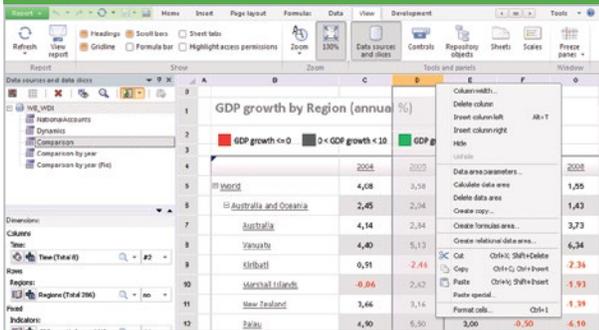
With this tool, IT professionals and power users can easily generate complex scheduled reports.

- Scheduled reports of any complexity
- Analytical notes in popular formats such as Word
- Fine-tuning of the tool's look and feel to meet any user need, with an interface similar to that of spreadsheets
- Advanced report printing options
- Full-featured interface, including sorting, filtering, and conditional formatting
- Flexible data editing and the ability to save changes to the data source
- Microsoft Office integration

Analytical Queries (OLAP)
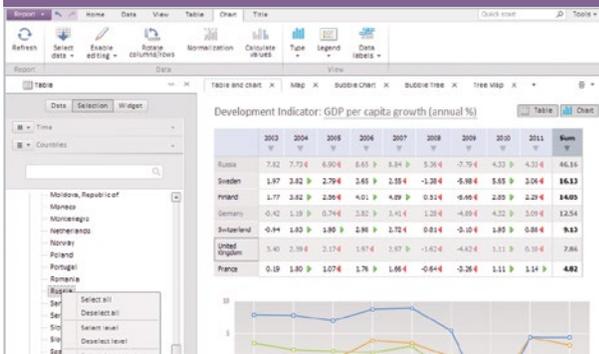
This tool equips business users with capabilities for real-time multidimensional data analysis combined with powerful visualizations.

- Interactive data visualizations such as charts, maps, and spreadsheets
- Analysis of multiple sources in a single visualization component
- Heterogeneous sources merged into multipage reports
- User permissions for analyzing and editing data
- Filtering, sorting, calculations, 80/20 analysis, trend identification, conditional formatting, and other analytical features
- Microsoft Office integration

Time Series Analysis
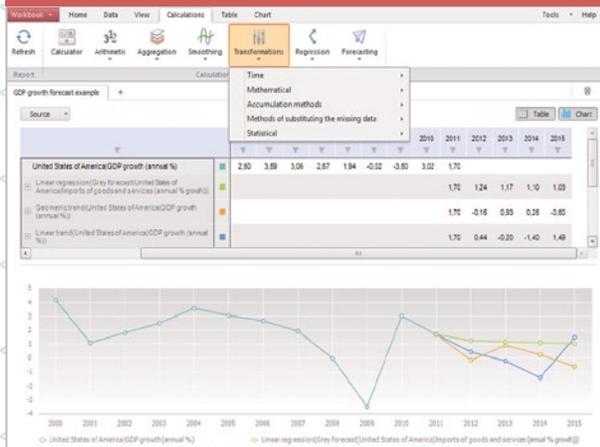
This tool provides capabilities for statistical data processing and time series analysis alongside with advanced analytics and data preparation for modeling.

- Data transformations performed with arithmetic and mathematical methods, including transformation, aggregation, smoothing, forecasting, and regression
- User-defined validation rules paired with automatic gap detection and filling
- Visualizations such as interactive charts and spreadsheets
- Concurrent work with multiple workbooks
- Time series grouping, sorting, filtering, conditional formatting, and calculation of statistical characteristics
- User permissions for analyzing and editing data
- Microsoft Office integration

Modeling and Forecasting
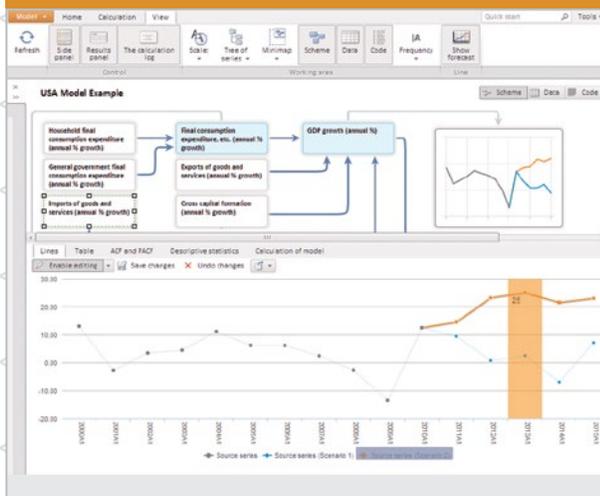
To assist users with simulation, forecasting, and optimal control problems, this tool comes complete with a wide range of modeling methods, including econometric, balance, optimization models, and criterion function.

- Access via Web-based and desktop applications
- Design of complex models and algorithms for econometric calculations, optimization, and forecasting using the visual interface of the Web-based application
- What-if and what-is-needed-for analysis
- Loading source variables from the data warehouse and saving the output back
- Scenario modeling
- An extensive library of over 300 mathematical and statistical algorithms and functions
- Visual tools for configuring models and selecting input and output series and method parameters
- Debugging of sophisticated models and statistical calculations

Company profile

Prognoz is Russia's leading BI vendor, with more than twenty years in the global BI and IT market. Public, corporate, and financial sectors around the world have leveraged a wide range of solutions built atop our hallmark Prognoz Platform. We have completed over 1,500 dedicated projects for 450 customers based in 70 countries. Underlying all our technology is a proven academic theoretical framework provided by our in-house research center and adapted to the specific needs of our clients, including: