System of inter-industry calculations on the base statistics of corporations
The main problems

• From time to time it is necessary to analyze in details a situation in various sectors

• We should use plans of the large companies by working out of scenarios.

• The methodological problem consists in necessity of integration the level of companies with the macroeconomic level. It can achieve by working out of model complexes including some models of different levels
The general scheme of the analysis and calculations

**The block of the analysis of the primary data**

- The current official statistics
- Short-term economic indicators
- The sectors and corporate statistics
- Statistics of an external world

**Formation of databases and analytical materials**

**Modeling of economic indicators for the companies**

**Macroeconomic and sector modeling**

**Formation of the general forecast and economic policy actions**
The scheme of a complex of models

Inter-industry model

Model of sector

The block of the key sectors companies
- Model of Company «N 1»
- Model of Company «N 2»
- Model of Company «N 3»
- Model of company «N N»

The block of the key business-unit of the companies
- Business-unit «N 1»
- Business-unit «N 2»
- Business-unit «N 3»
- Business-unit «N N»
What the I-O model receives from the model of sector?

- Output
- Export
- Import
- Investments
- Some I-O coefficients
- Employment

......
What the model of sector receives from I-O model?

• Demand for productions

• Prices for intermediate recourses

• Macroeconomic environment
The scheme of a complex for oil sector (Upstream and Downstream)

Inter-industry model

Model of oil sector

The block of economy of the key sectors companies + DOWNSTREAM

The block of the key business-unit of the companies (UPSTREAM)

Model of company «N N»

Business-unit «N3»

Business-unit «NN»