THE REPUBLIC OF KAZAKHSTAN

"BASTAU" METHODOLOGY AND SOFTWARE PACKAGE

Big Data Spatial Visualization Technology for Multinational Corporations and Government Entities

Copyright certificate No. 1073. July 26, 2013

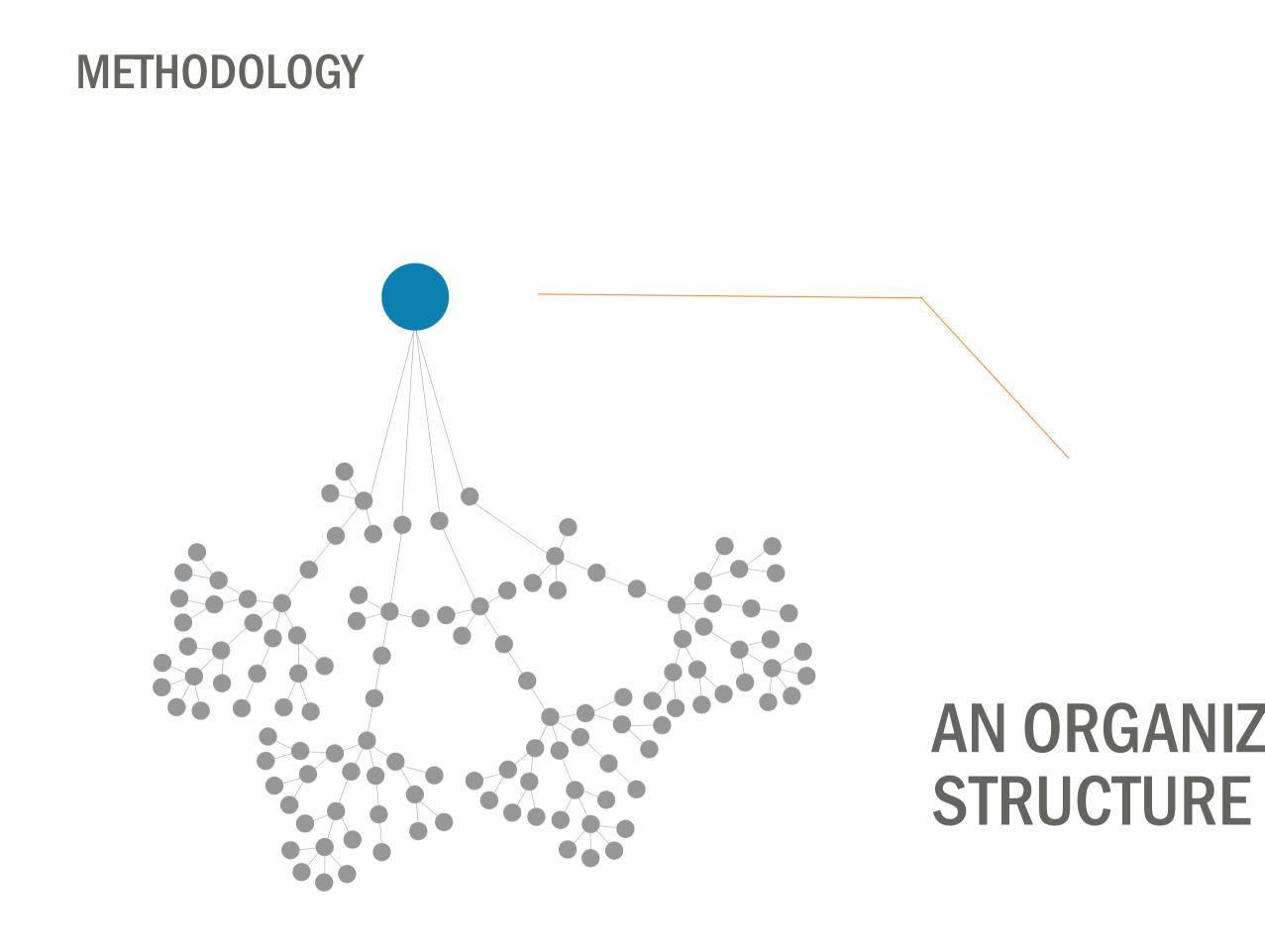
THE ESSENCE OF INNOVATION:

A NEW STAGE IN EVOLUTION OF MANAGEMENT THEORIES, PHILOSOPHIES, **PRACTICE AND THOUGHTS**

WE ARE CREATING **A NEW METHOD OF MANAGEMENT**

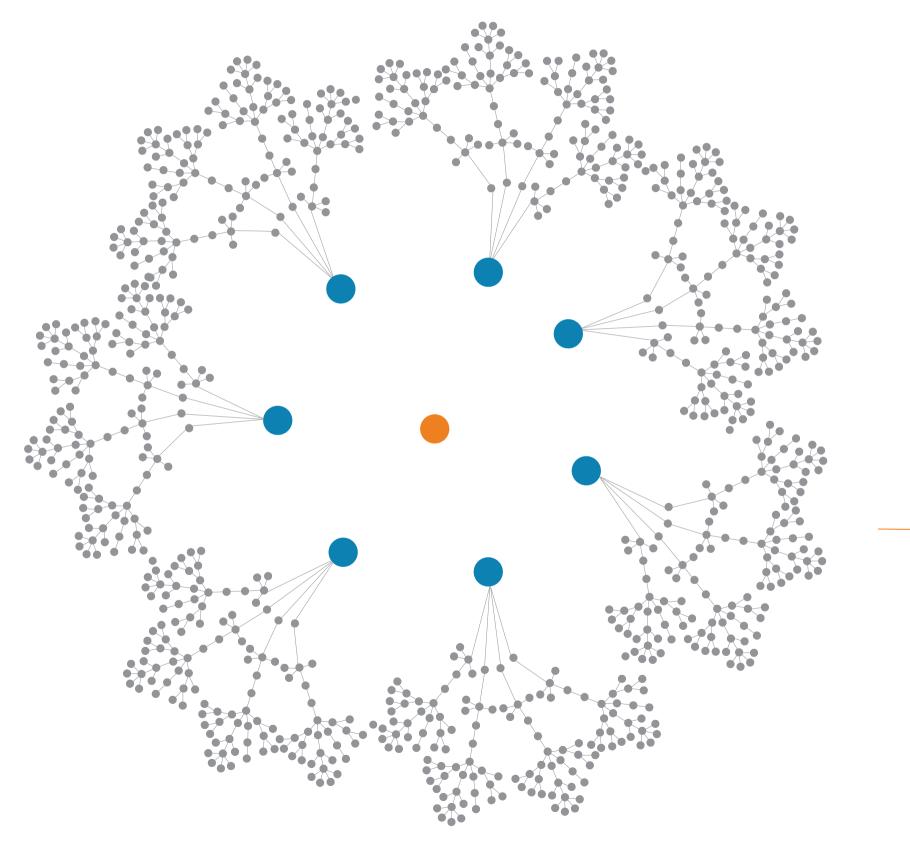
A DATABASE FOR ADOPTING STRATEGIC DECISIONS

- full structure of an organization
- data on key leaders
- map of divisions and development plans
- distribution of financial flows
- staffing
- key projects
- tangible and intangible assets
- key customers, partners and contractors



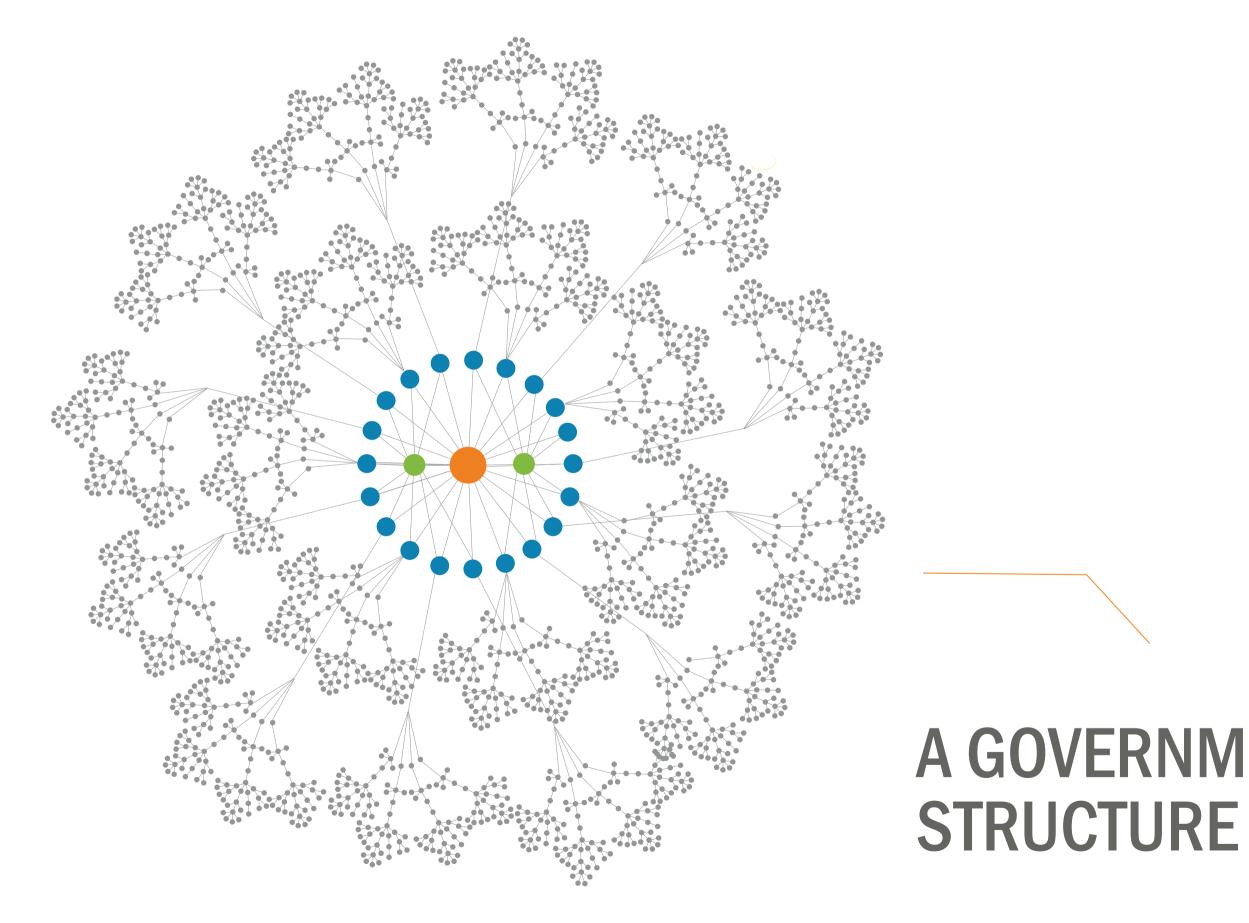
AN ORGANIZATION

METHODOLOGY

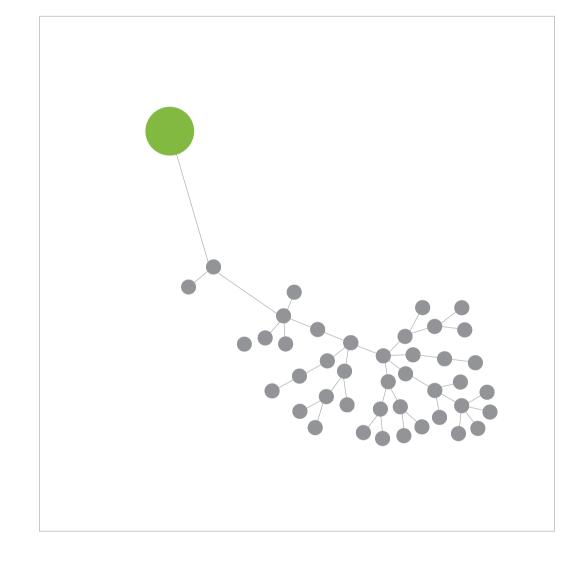


THE STRUCTURE OF HOLDINGS

METHODOLOGY



A GOVERNMENTAL



AN EXAMPLE OF A SUBSIDIARY COMPANY IN KAZAKHSTAN

MINISTRY OF AGRICULTURE OF KAZAKHSTAN

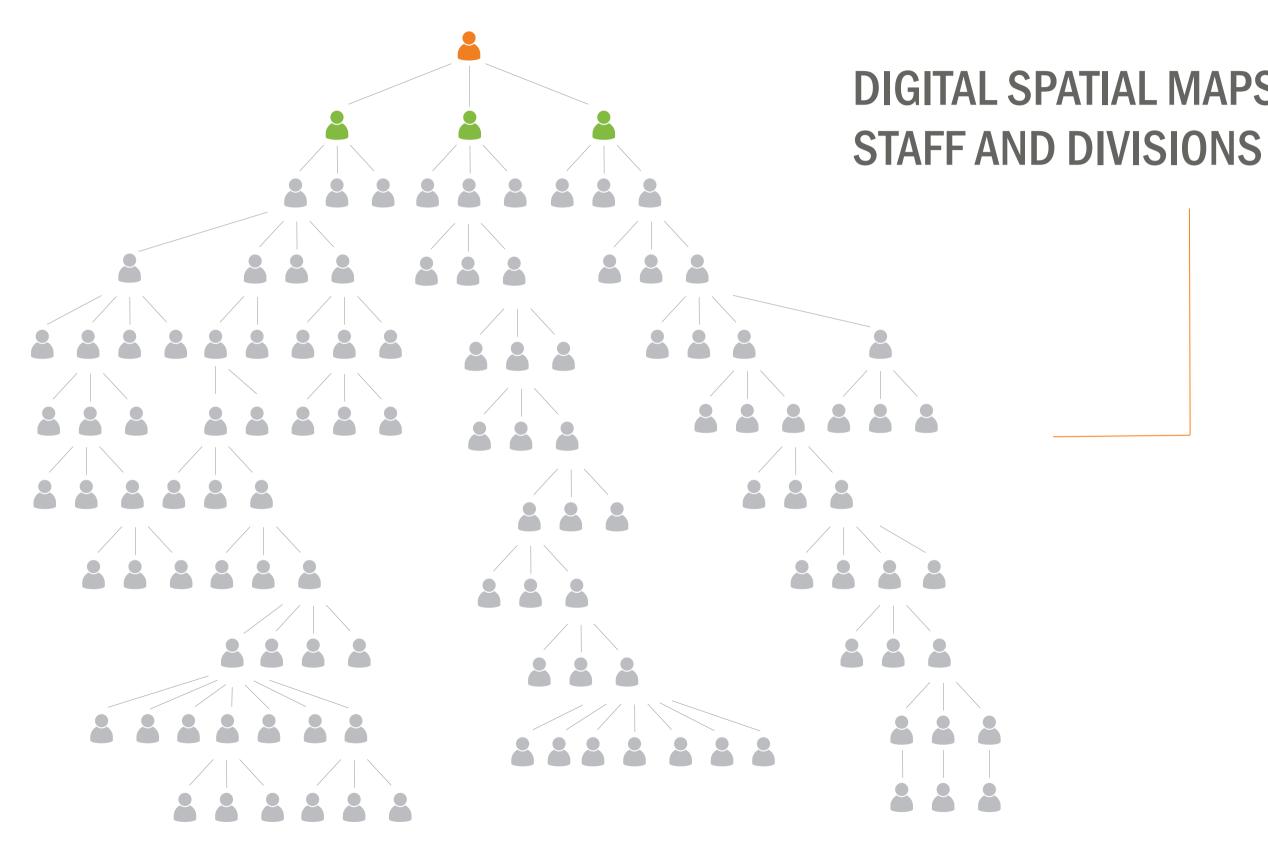
JSC "NATIONAL AGRARIAN SCIENTIFIC AND EDUCATIONAL CENTER"

There are 47 legal entities, including:

24 Research Institutes 17 Experimental Farms

- **3 Service Companies**
- **3** Agrarian Universities

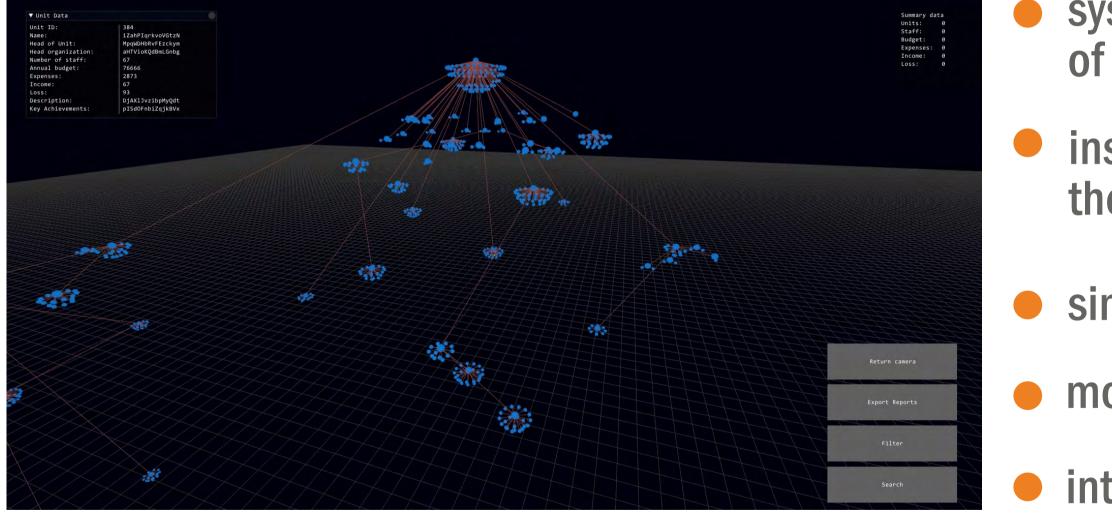
METHODOLOGY



DIGITAL SPATIAL MAPS:

TECHNOLOGY

A new generation information platform that supports the management activities of large organizations by projecting key organisation data structures into 3D spatial visualization format



coordination of activities high-speed data collection

system analysis of the structure

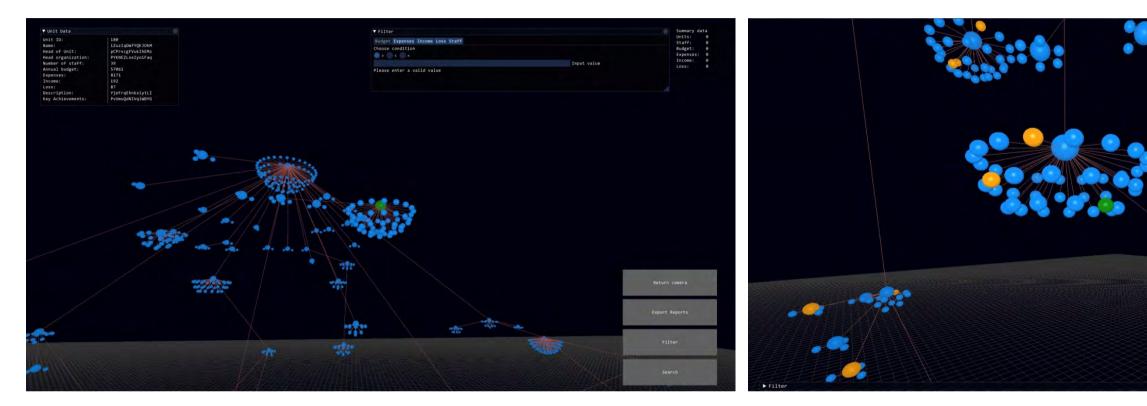
instant access to the data in real time

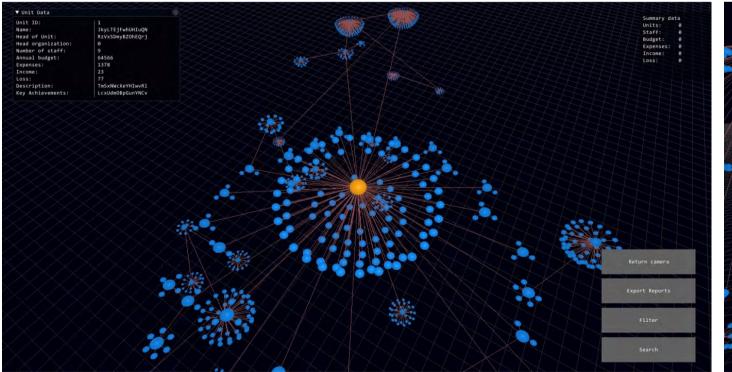
simulation

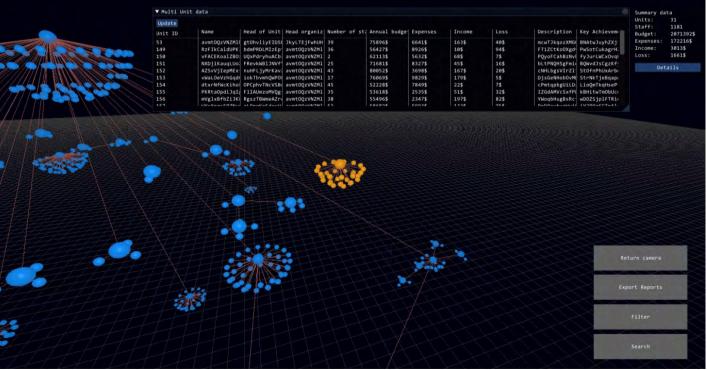
monitoring

interactivity

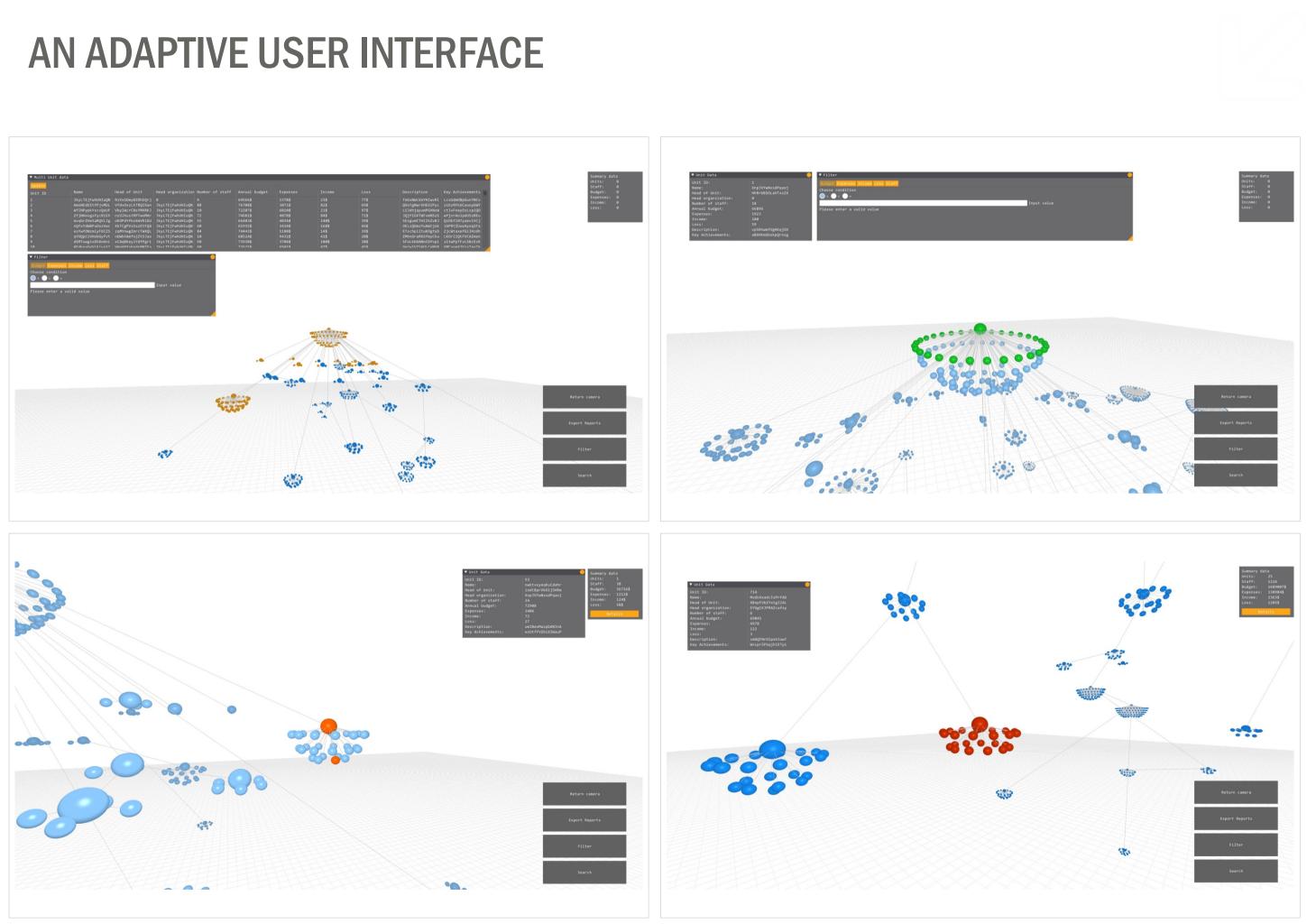
VERSION 1.0 - CLASSIC











FEATURES & SPECIFICATIONS

A completely new management tool that will provide "one-click" access to data on leaders, budgets, staff, income or loss, revenue, list of fixed assets, missions and the performance of any of the hundreds or thousands of branches and structural units of users' organization.

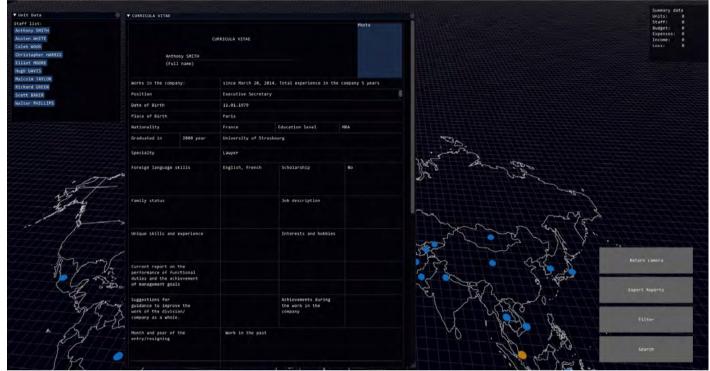
Users can instantly summarize data for any group of units, select and display units by any of the following criteria:

- the budget above or below the desired indicator
- the number of staff
- income or loss
- activities

The technology allows for an instant formation of consolidated reports, which saves hundreds of hours of labor collecting summary data.

VERSION 2.0 - HR









VERSION 3.0 - SCIENCE

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Nationwide Database of Scientific Discoveries

GOALS

- Significant improvement in management efficiency, saving financial and human resources of the organization, ensuring transparency, effective feedback
- Formation of national/general corporate databases on areas of responsibility, tasks, results of work of each structural unit
- Acceleration of the speed of making management decisions, thereby improving the quality and reliability of service information
- **Reducing the number of office documents and correspondence**

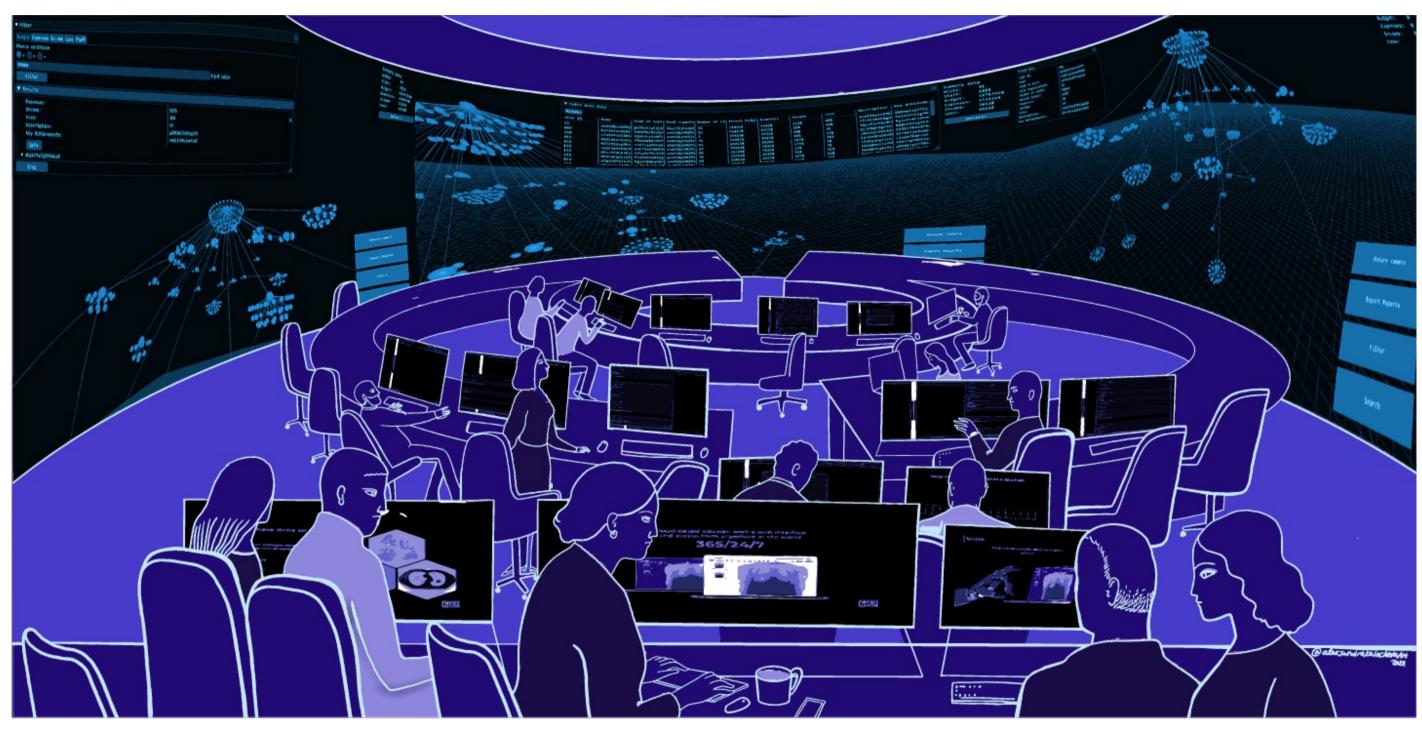


Private	Public	International
Corporations, holdings	Government Entities	Transnation companies
Banks and financial institutions	National companies	Internationa Organization
Trading networks	Joint ventures	Consulting companies

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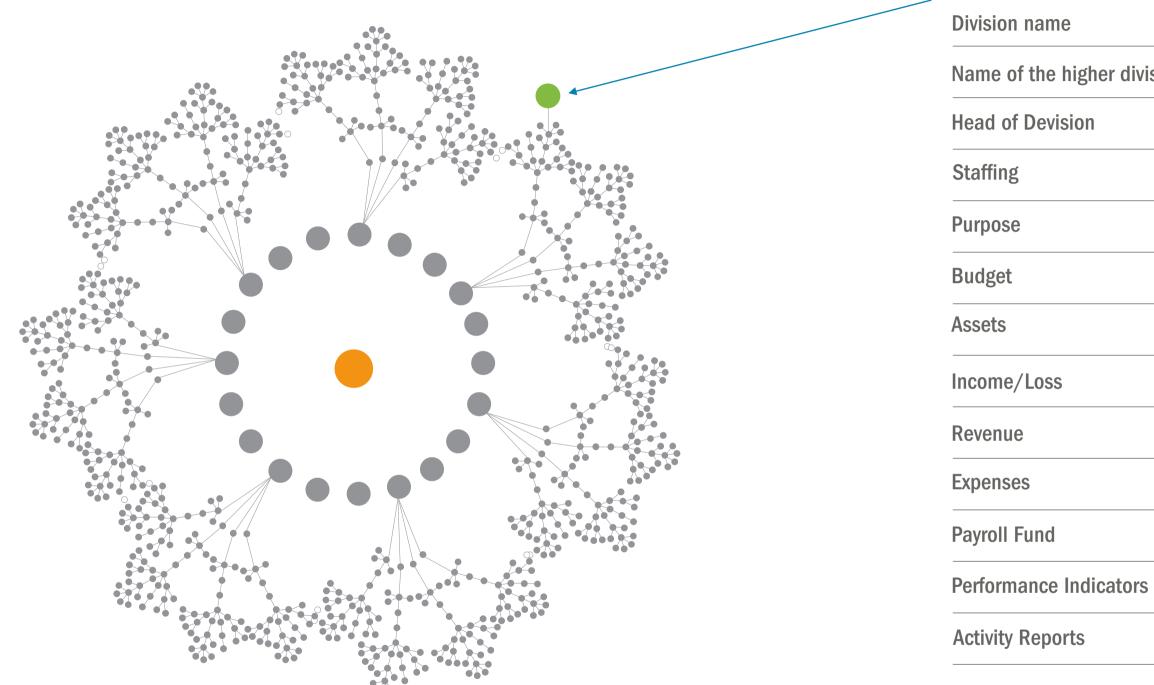
Creation of Situational Information-Analytic Centers

Art by Alexandra Kalachea

AREAS OF APPLICATION



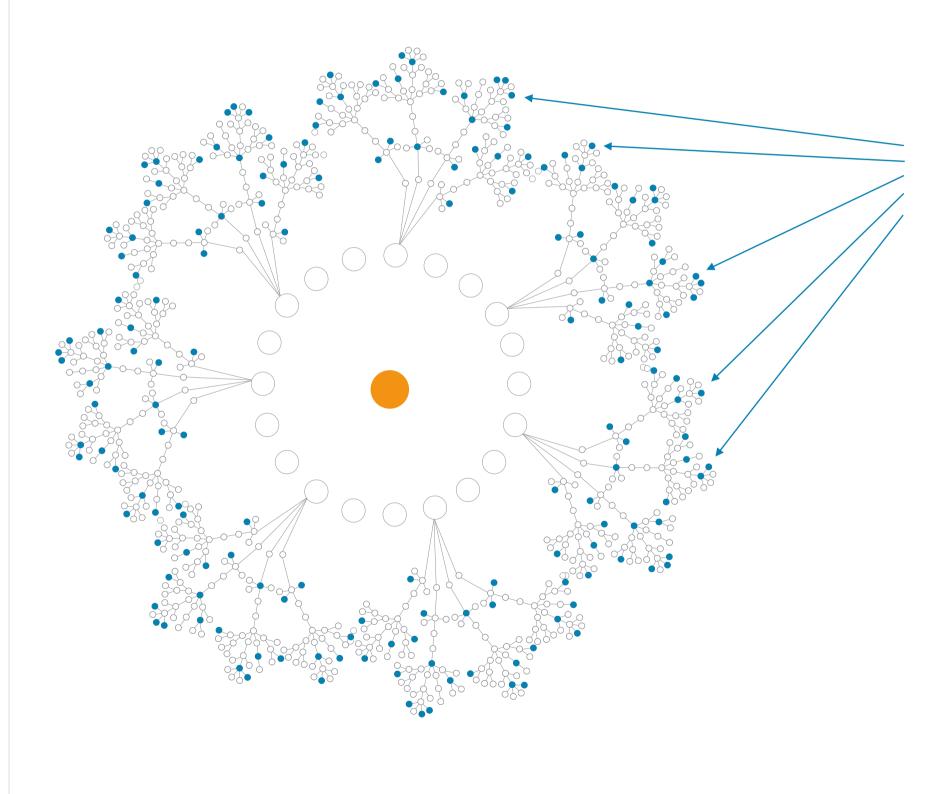
MONITORING OF RESOURCES AND EFFECTIVENESS OF DIVISIONS



By analyzing this data, it is possible to match the available resources with tasks of each subdivision along with real outcomes of its operating activities

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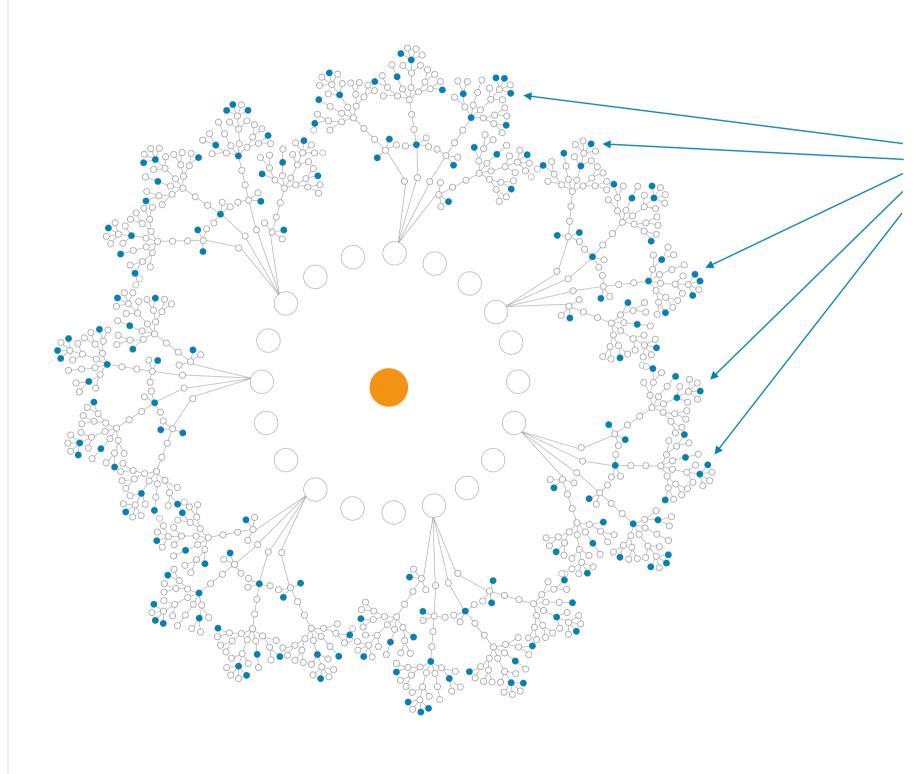
HUMAN RESOURCES POLICY



The management can

instantly get data about any employee of the organization

IDENTIFYING AND MONITORING FOR THE IMPLEMENTATION OF STRATEGIC GOALS

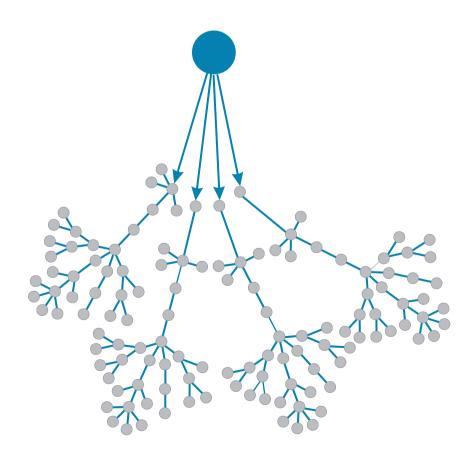


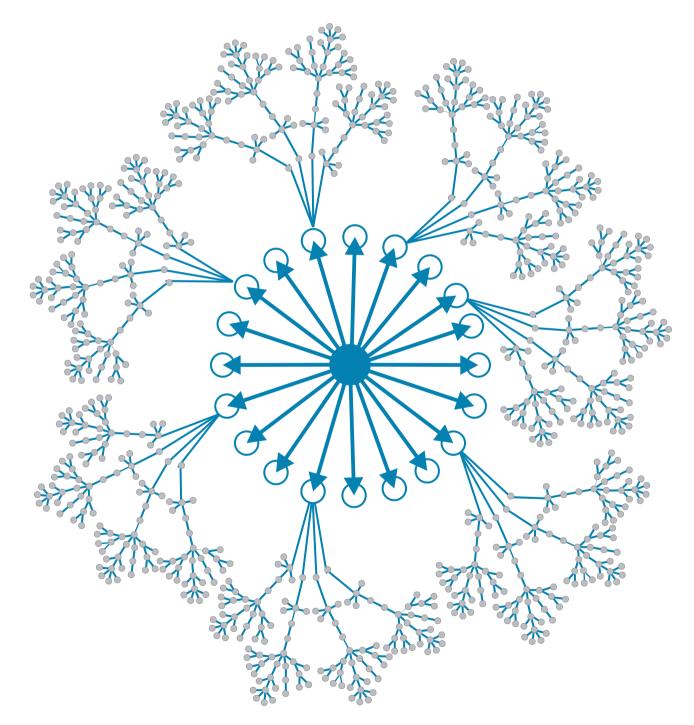
and level of development of innovations in various and industrial sectors, entities

An analysis of different goals. For instance, the current state fields - medicine, agricultural information technology and education within Government

DISTRIBUTION OF FINANCIAL RESOURCES

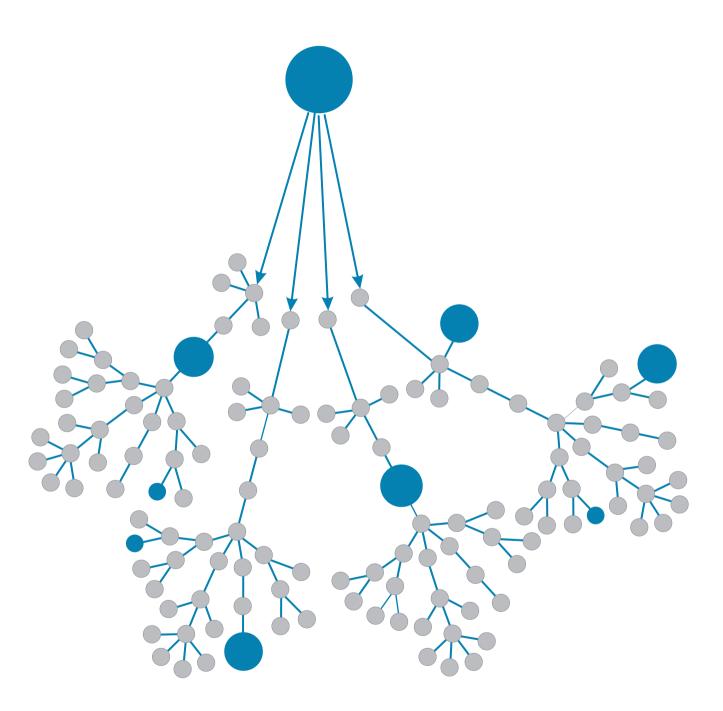
At each level/stage one can find out how a division manages its administrative expenses, awards and bonuses, and how much resources it transfers to "downstream" organizations





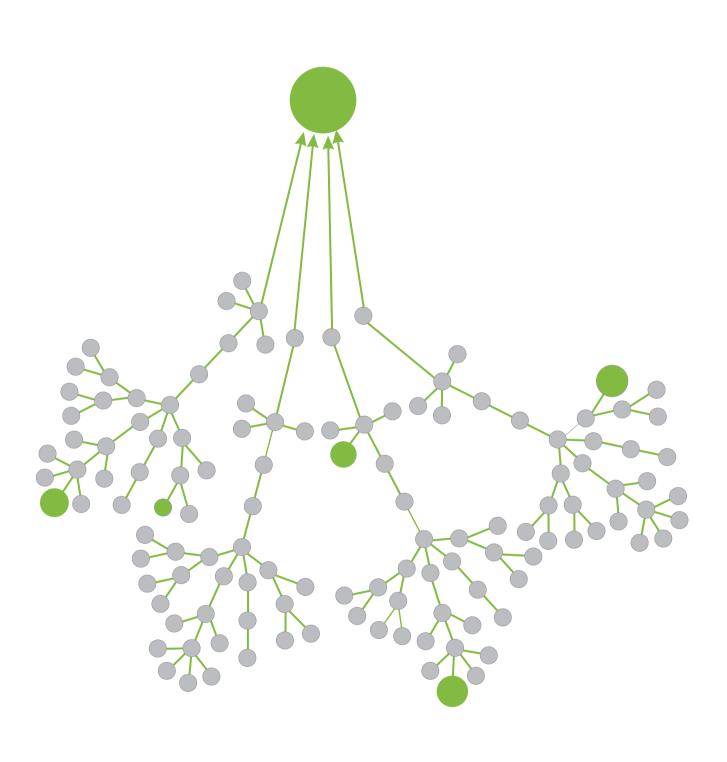
FINANCIAL ANALYSIS

Monitoring of major expenses

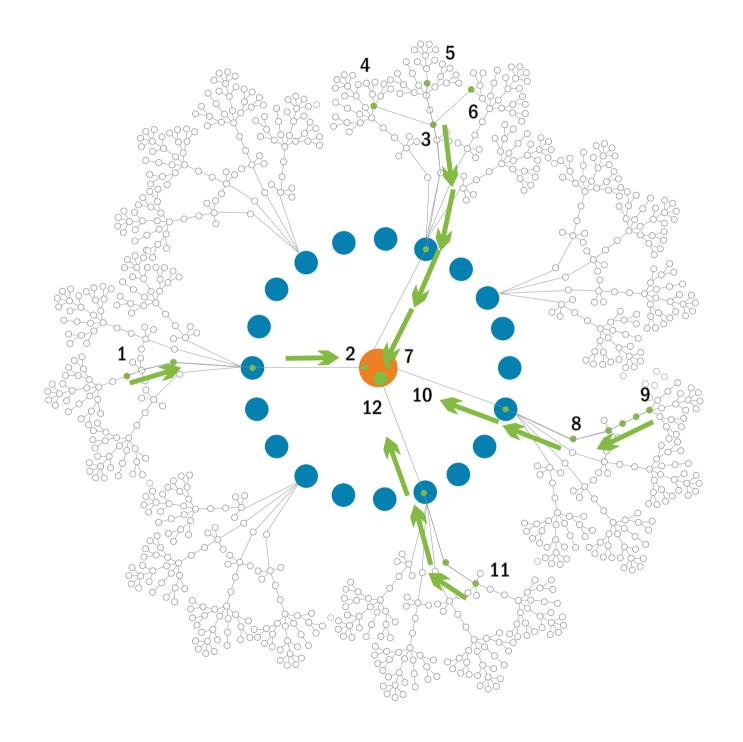


FINANCIAL ANALYSIS

A possibility to trace the reverse process - collecting funds from divisions that generate income to the general budget, identify those who bring the most or least income



STATUS OF PROJECTS' IMPLEMENTATION WITHIN AN ORGANIZATION

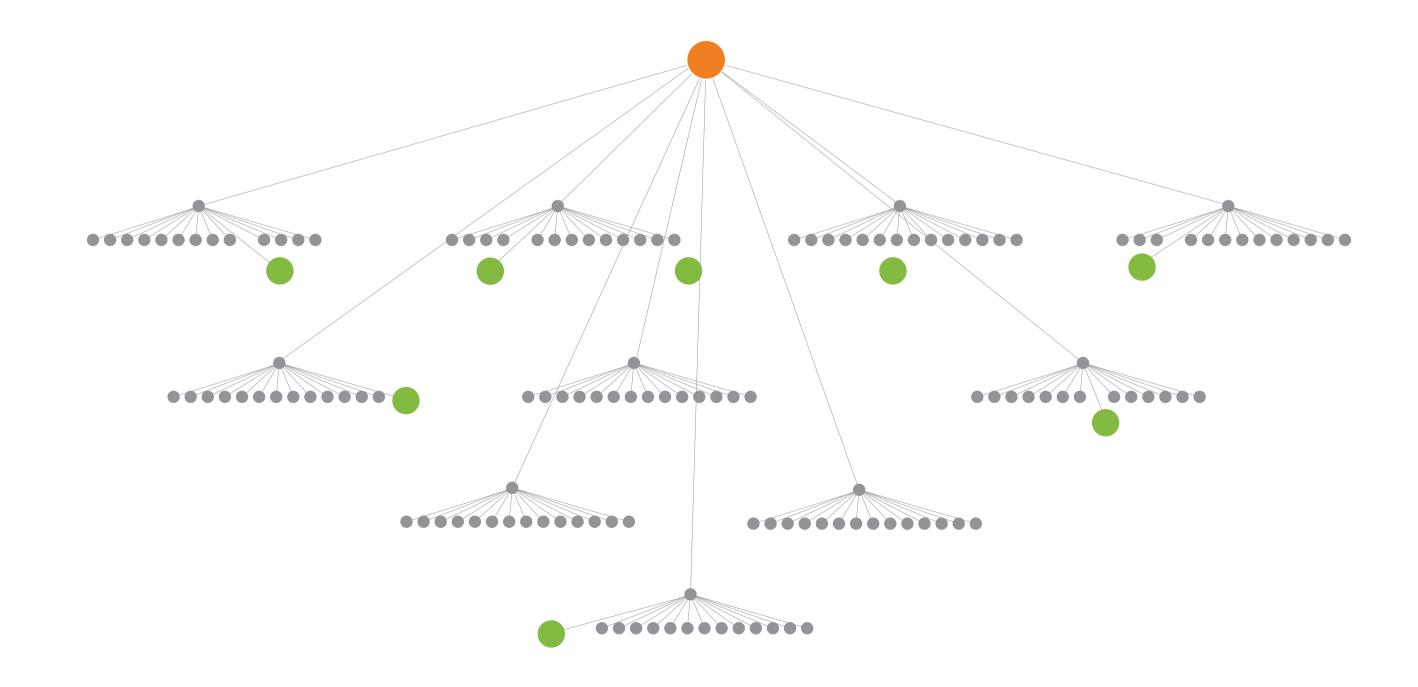


of large projects, studying the implementation progress,

An evaluation and pre-planning deadlines and expected results

MANAGEMENT WITHIN TRADING COMPANIES WITH EXTENSIVE BRANCH NETWORKS

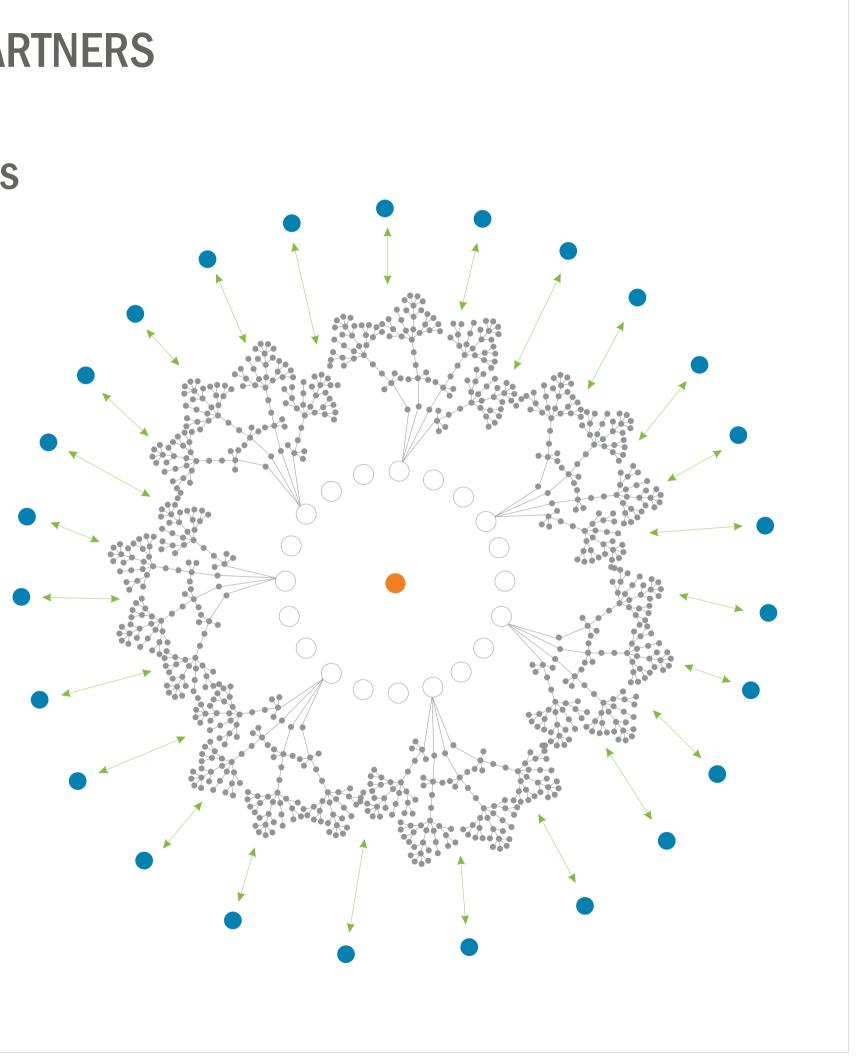
Identification of the most successful units. Analysis of success factors to implement experience in the entire network



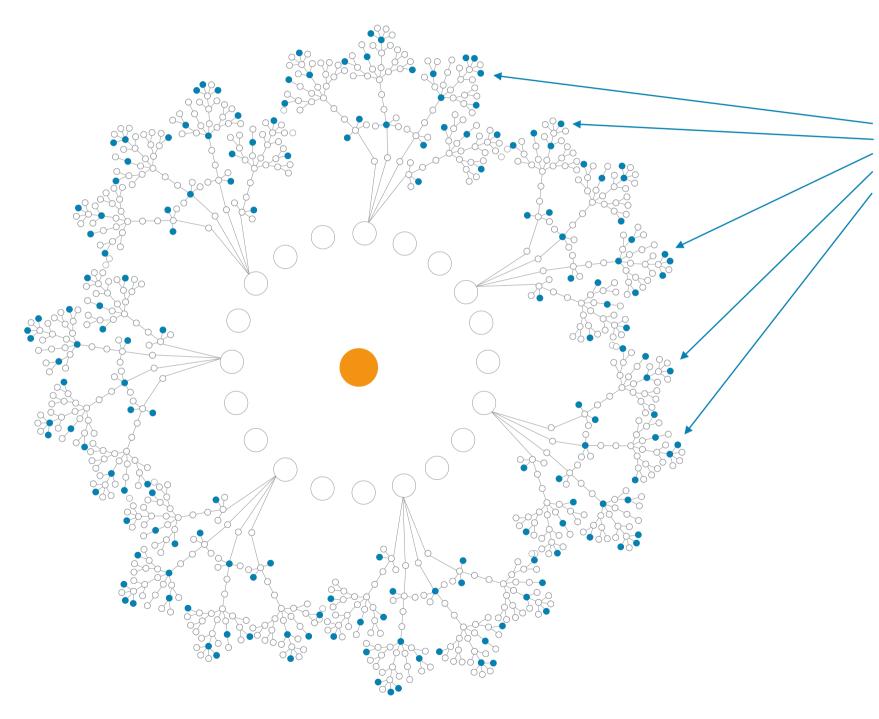
INTERACTION WITH EXTERNAL PARTNERS

Database of clients and suppliers

Direct access to data on agreements, responsible executors, contract amounts, existing creditors and debtors etc.



IMPLEMENTATION OF THE PRINCIPLES OF MERITOCRACY. ANTI-CORRUPTION FIGHT

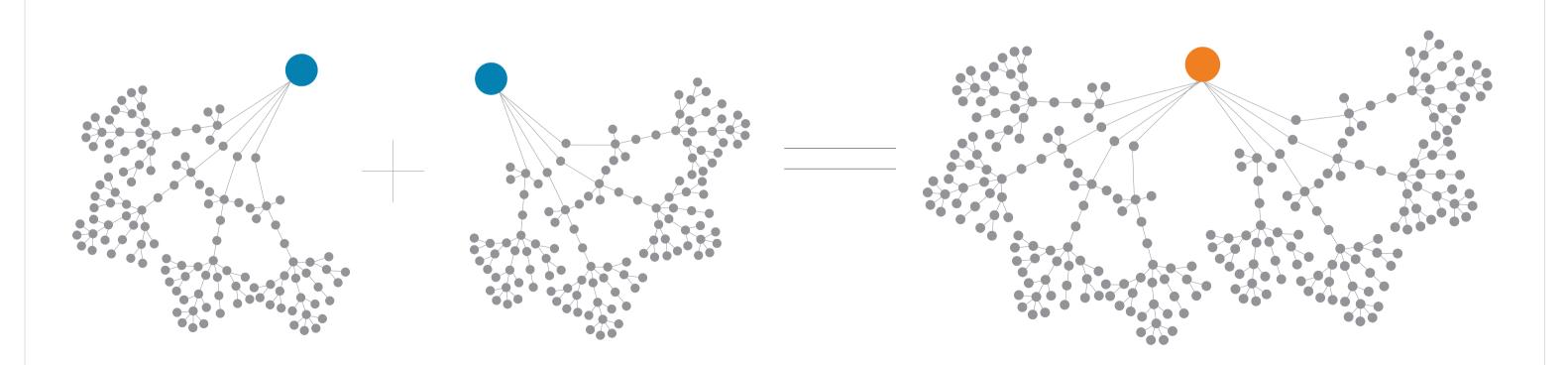


Mechanisms for preventing corruption

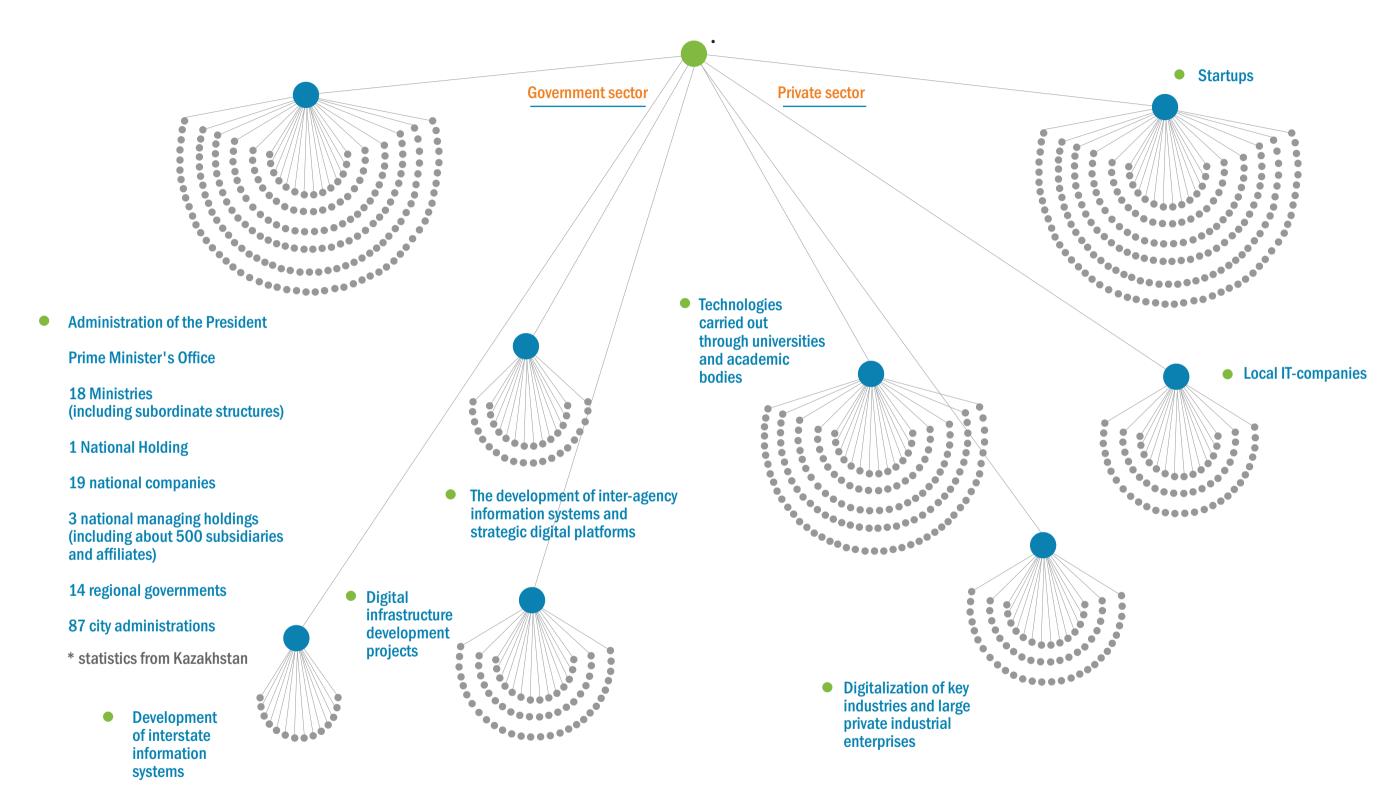
Identification of managers responsible for making the most complex and integrated decisions on the development of strategic directions, elaboration of development programs and distribution of key financial resources

SIMULATION AND MODERNIZATION

Identifying duplicate functions, excessive number of subordinate organizations - "daughters", "granddaughters", "great-granddaughters", etc.), as well as multi-level boards of directors at various levels, non-core assets and moving assets to the "invisible" strata. Modeling of the structure, including a new variants of functional load, labor, material and financial resources for various divisions

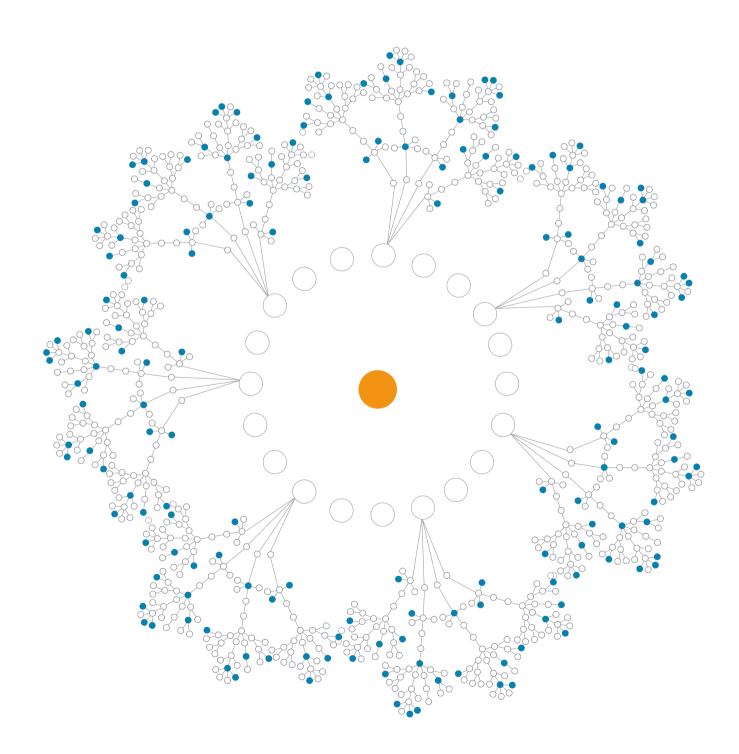


NEW GENERATION OF INDUSTRY DEVELOPMENT PROGRAMS



Sample of the National Digital industry development map. Creation of Interactive Digital Maps for industries, where each major project or organization is displayed.

INFORMATION POLICY AND PROPAGANDA

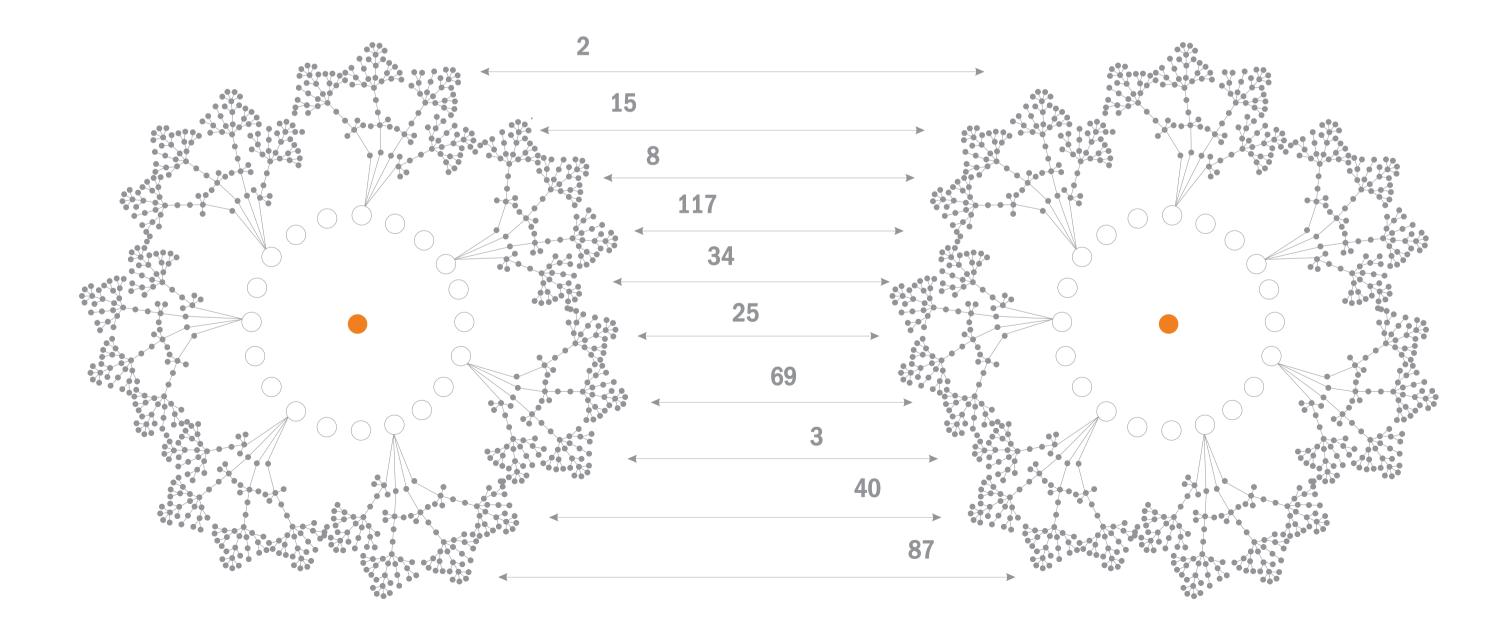


Identifying support tools for citizens. **Description of the State achievements** in various fields. This is articularly important for the public sector

INTERNATIONAL COOPERATION

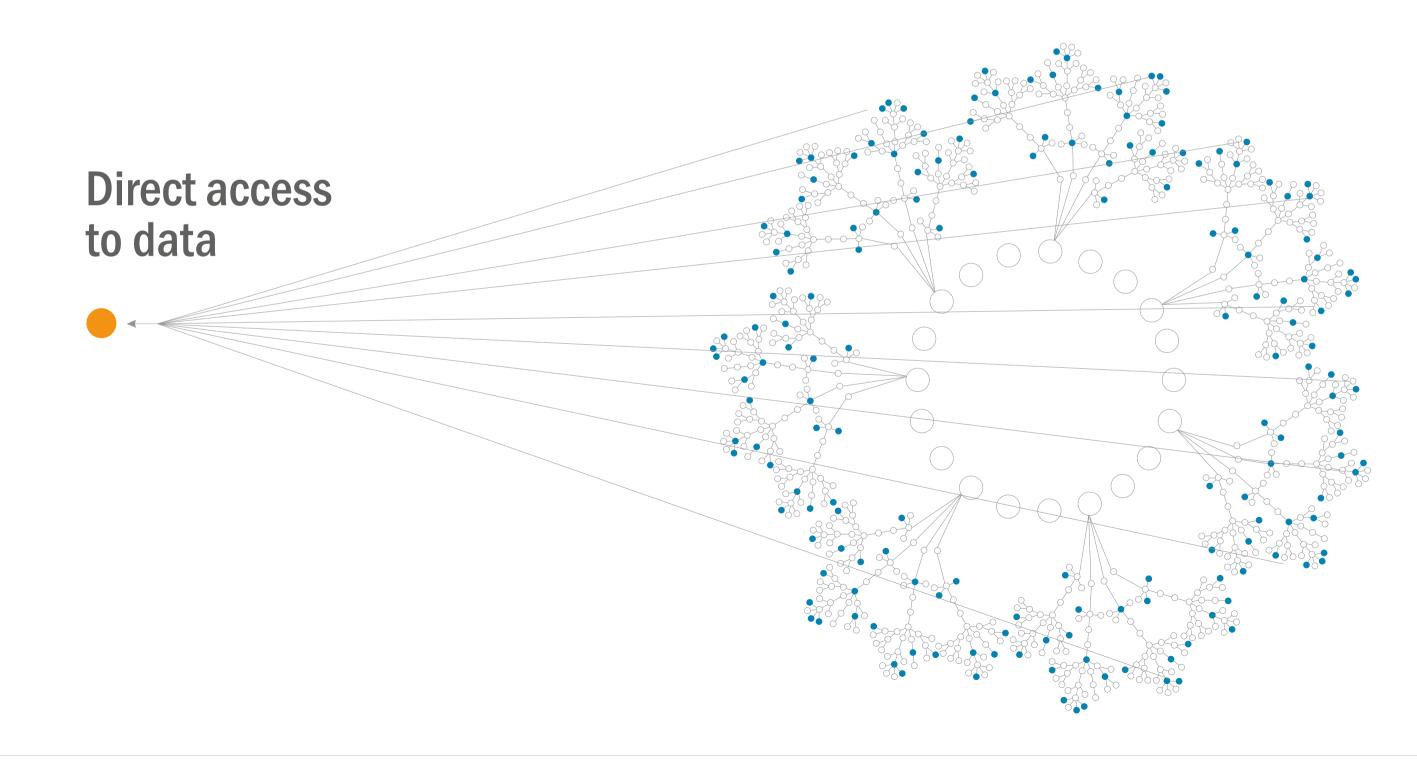
Interaction with Governments of foreign States.

Increasing various indicators for each area enhances integration processes between States - economy, culture, military and technological cooperation, etc. Database of Agreements and Representatives from both sides

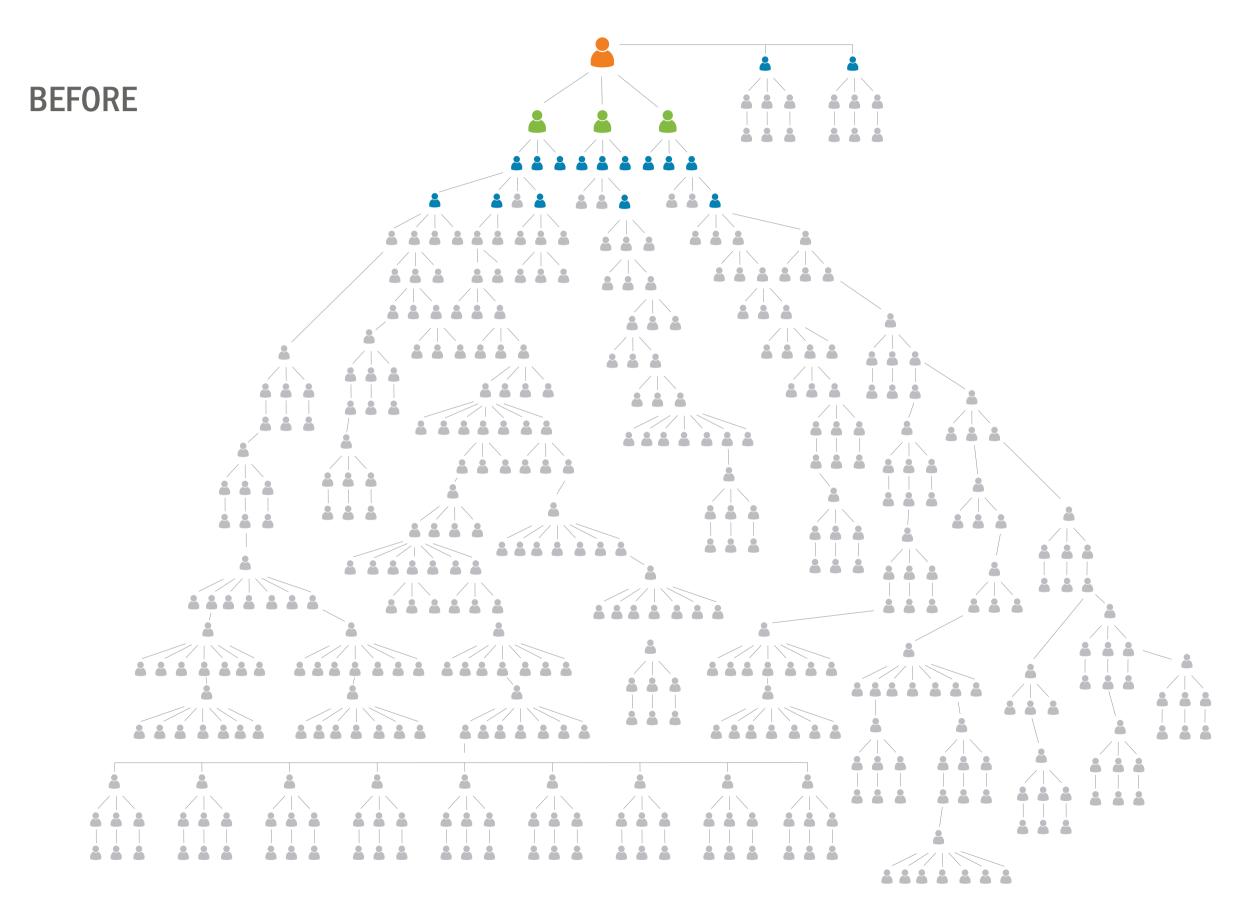


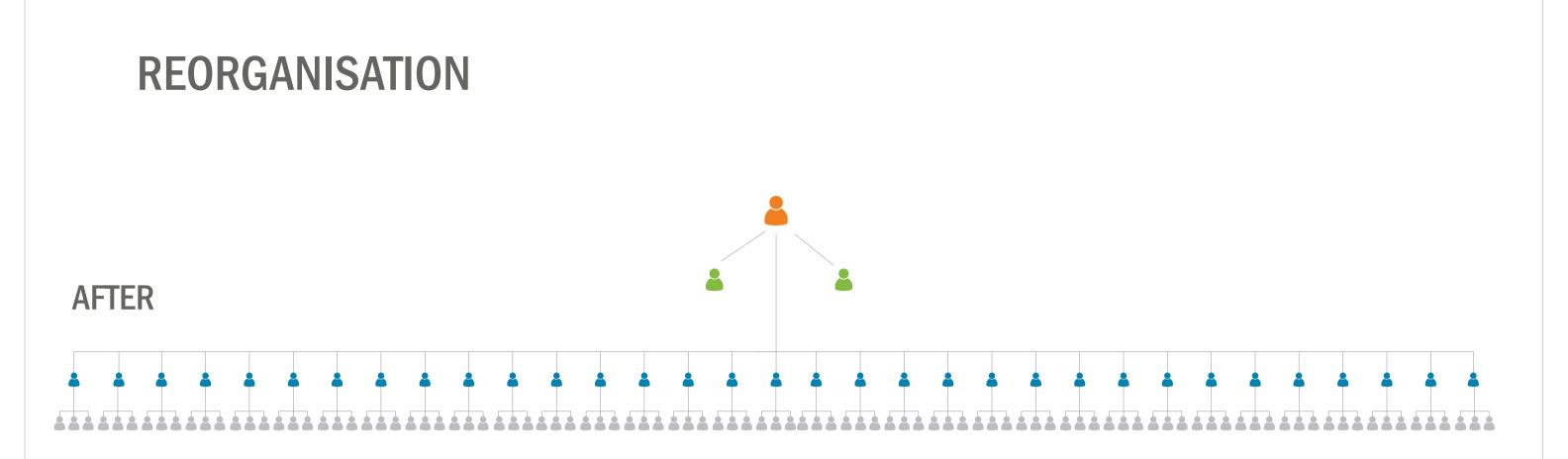
PRINCIPLE OF INFORMATION COLLECTION

The new methodological approach facilitates the process of collecting reports and also avoids the "distortion" of information when data passes through too many hands



REORGANISATION

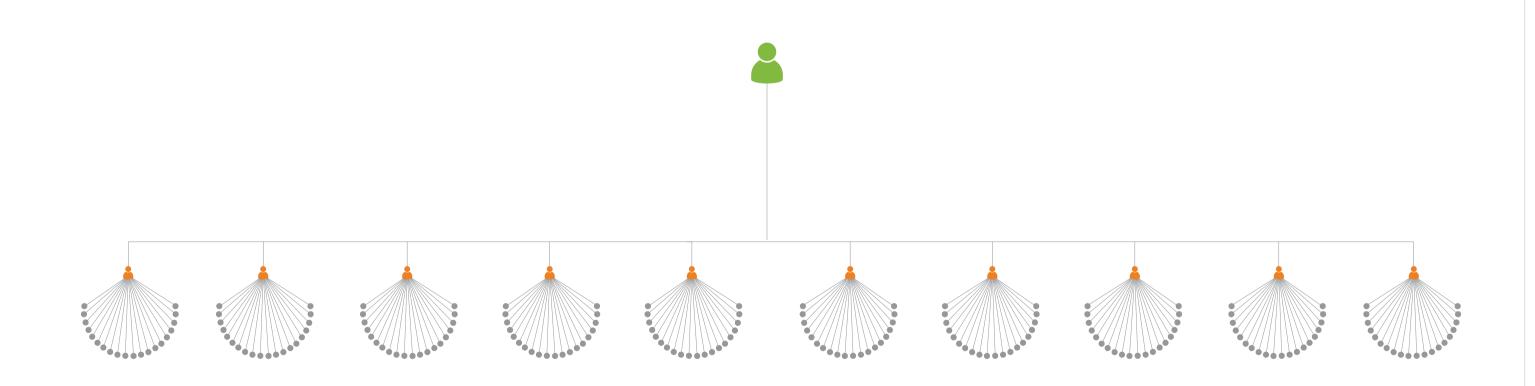




- **Complete overhaul of the organization's structure, including the abolition of a number of management positions**
- **Squashing of the structure**
- **Reducing of management levels**
- Multiple increasing of employees that one person will be able to manage
- Tenfold reduction of the document flow and circulating reporting information
- Significant improvement in management efficiency, saving financial and human resources of the organization, ensuring transparency, effective feedback
- Acceleration of the speed of making management decisions, thereby improving the quality and reliability of service information
- **Increasing the responsibility of lower tiers**

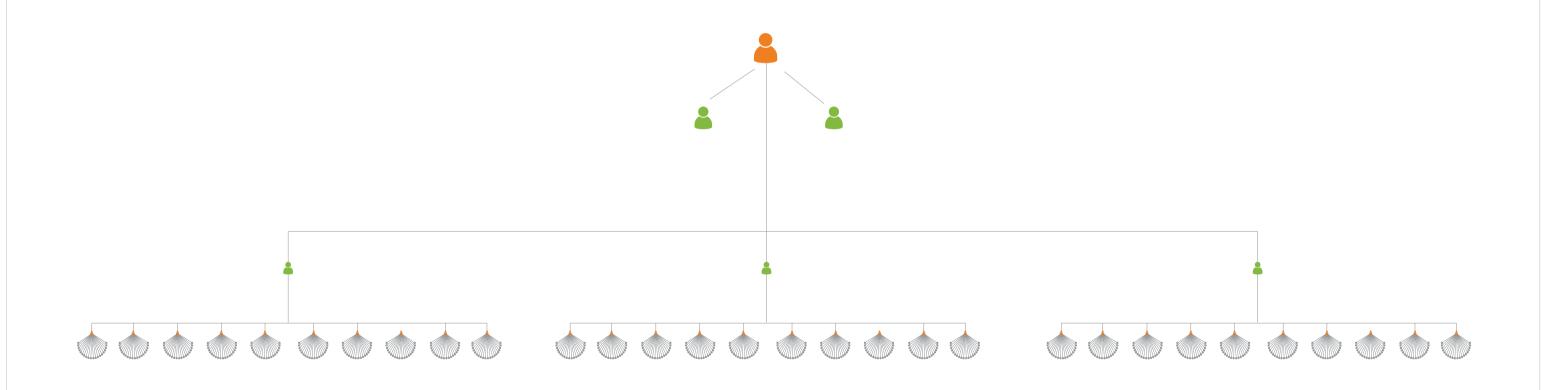
LEADERS OF THE NEW GENERATION

Creation of management systems for specific sectors based on new design and principles of organization



LEADERS OF THE NEW GENERATION

Creation of management systems for specific sectors based on new design and principles of organization



THANK YOU FOR YOUR ATTENTION!

