INTEGRATED INFORMATION SYSTEM OF UNIVERSITY

Experience of Sumy State University

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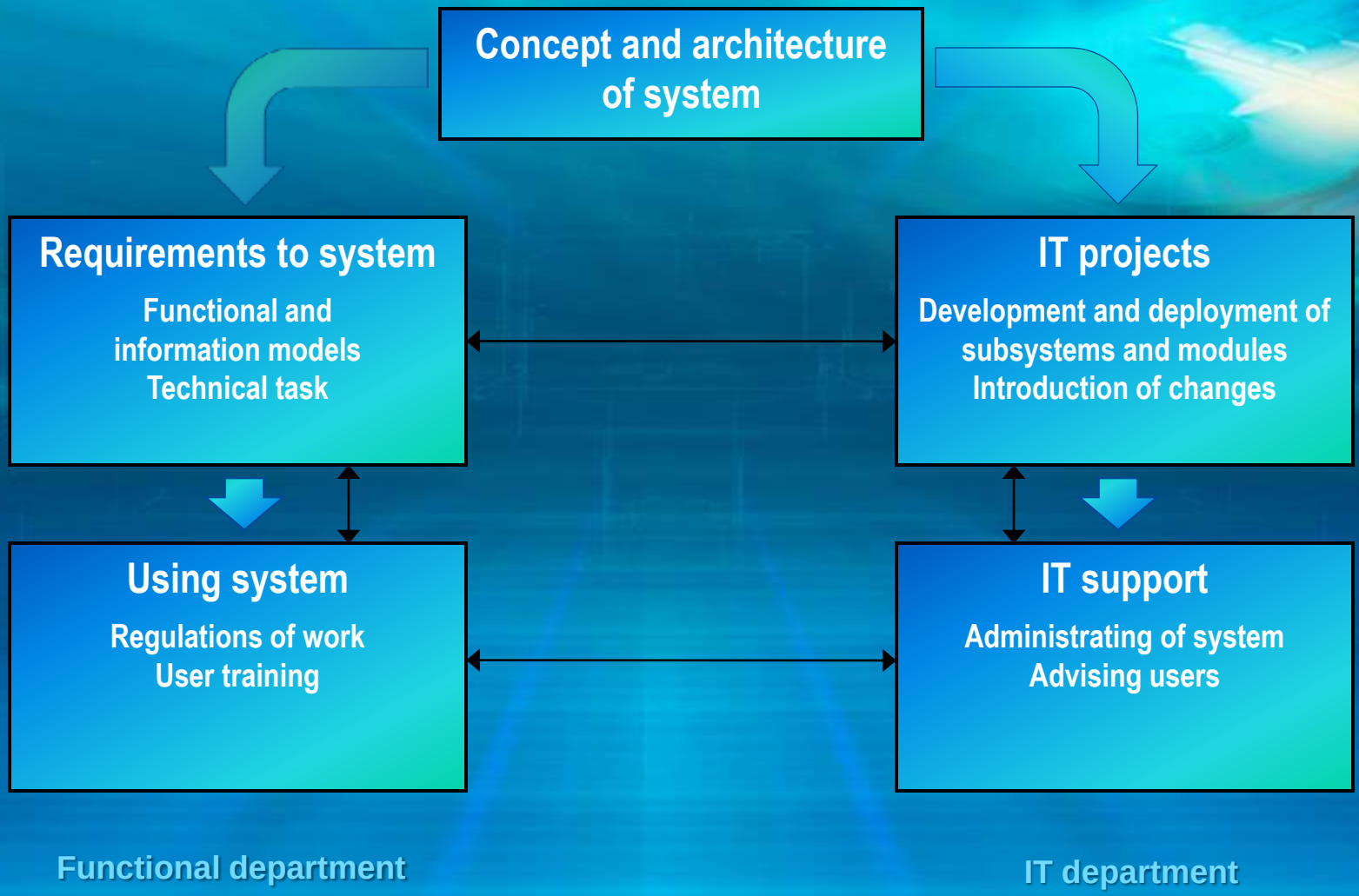
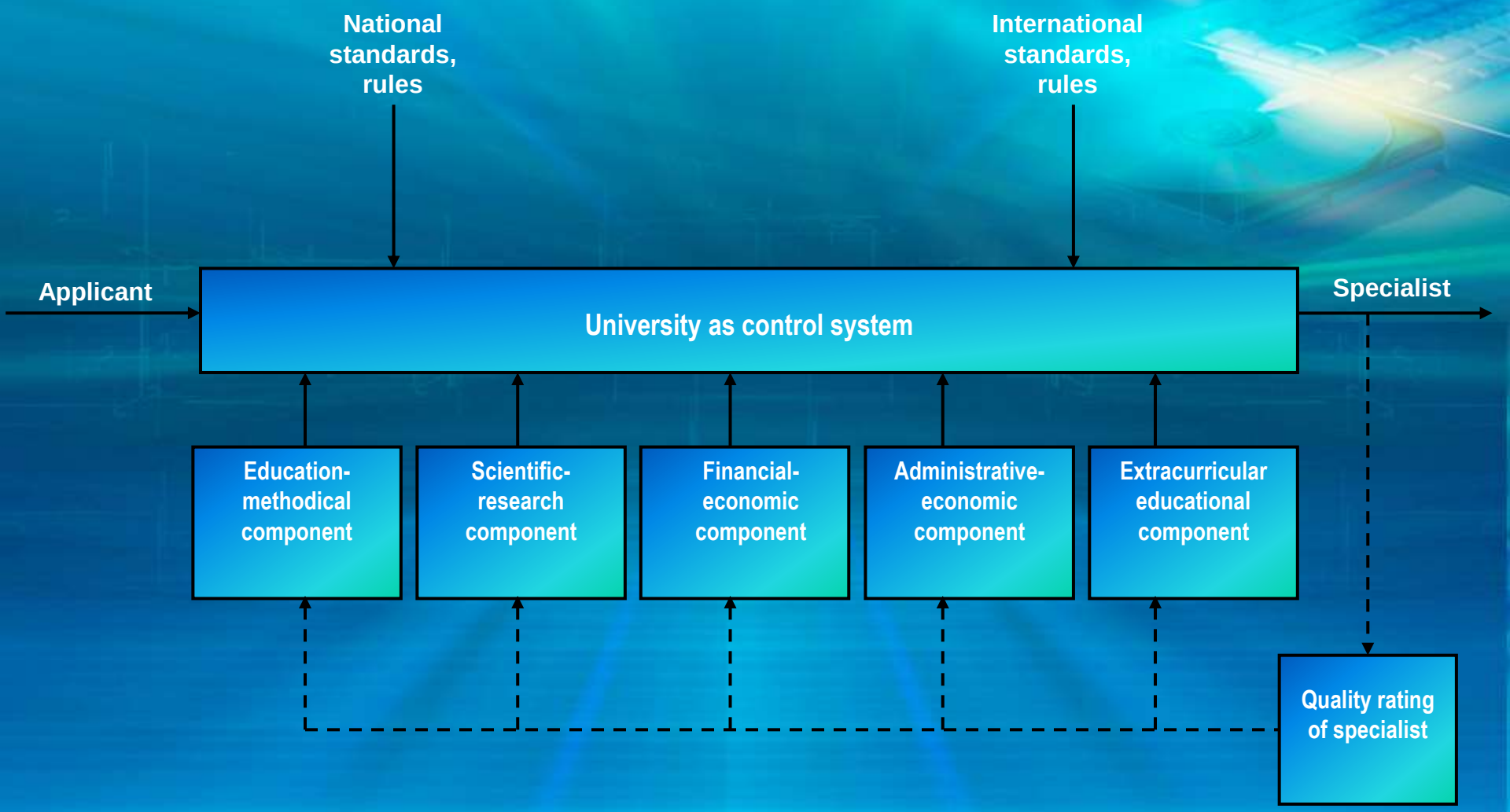
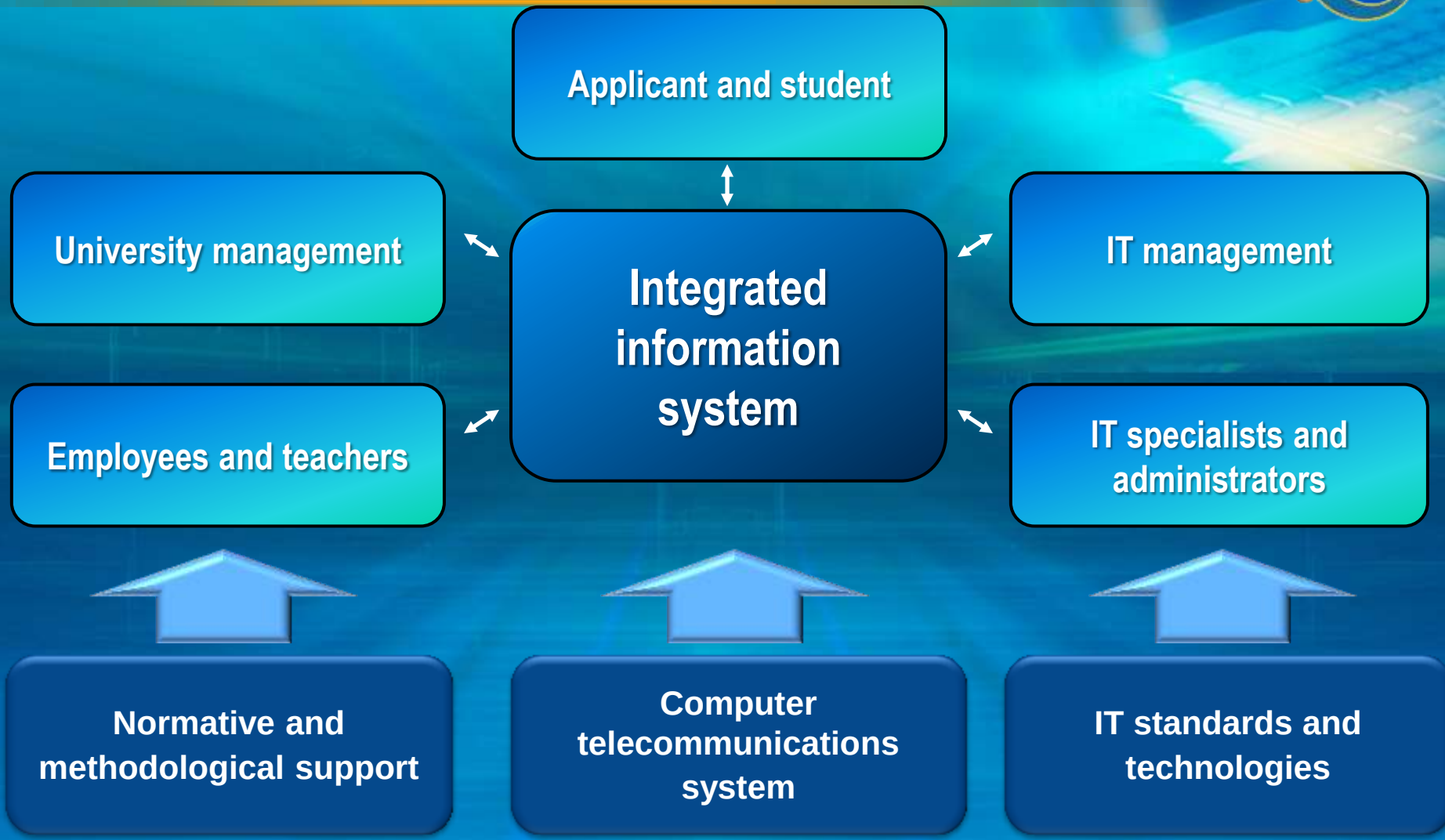
DEVELOPMENT, SUPPORT AND EVOLUTION OF INTEGRATED INFORMATION SYSTEM



UNIVERSITY AS CONTROL SYSTEM



INTEGRATED INFORMATION SYSTEM

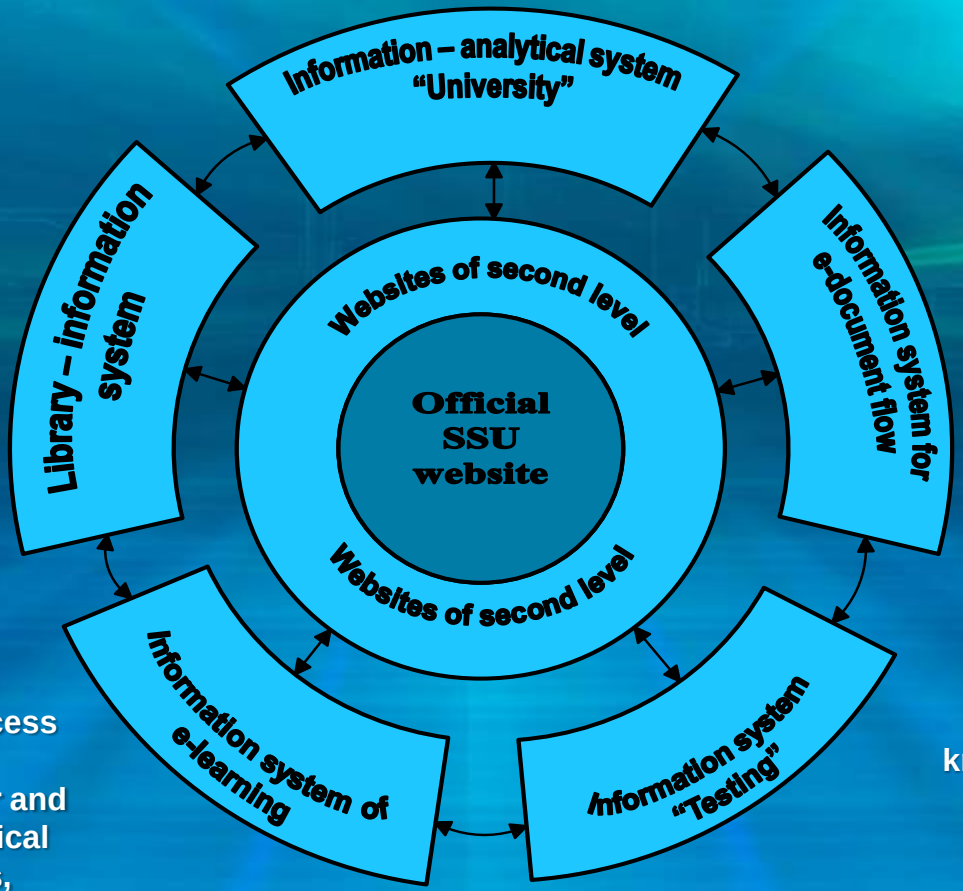


INTEGRATED INFORMATION SYSTEM

Support of management for teaching and research activities

Support for library management

Storage and search of educational, methodical and research literature



Support for electronic documents flow and communications

Documents storage

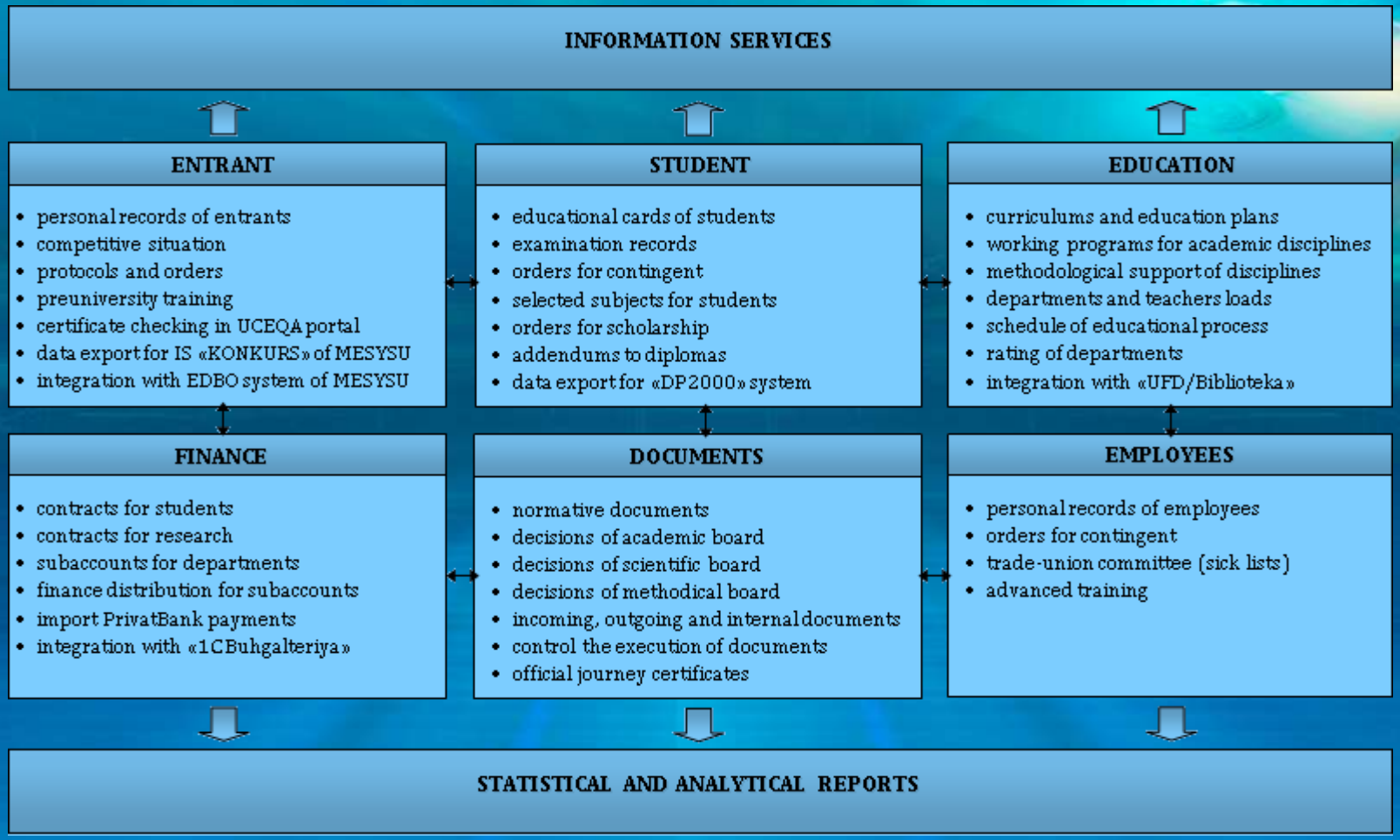
Support for learning process

Providing work of teacher and student with the methodical and learning materials, simulators

Support of process knowledge checking of applicants and students

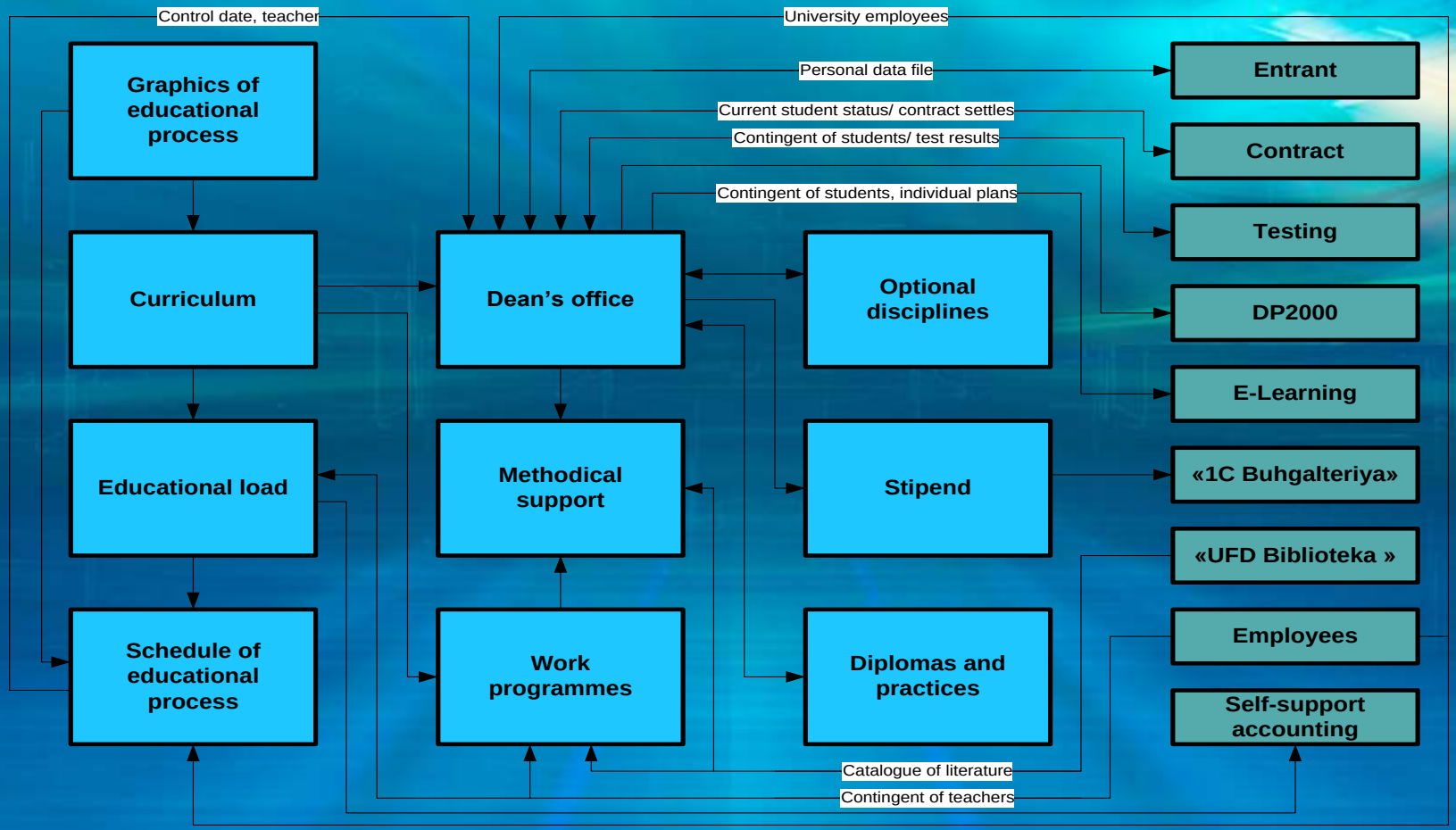
Tests storage

INFORMATION-ANALYTICAL SYSTEM «UNIVERSITY»



INFORMATION-ANALYTICAL SYSTEM «UNIVERSITY»

Complex subsystem “Educational process”



Web-service
Schedule

Web-service
Methodical support for a student

Web-service
Teacher’s class register

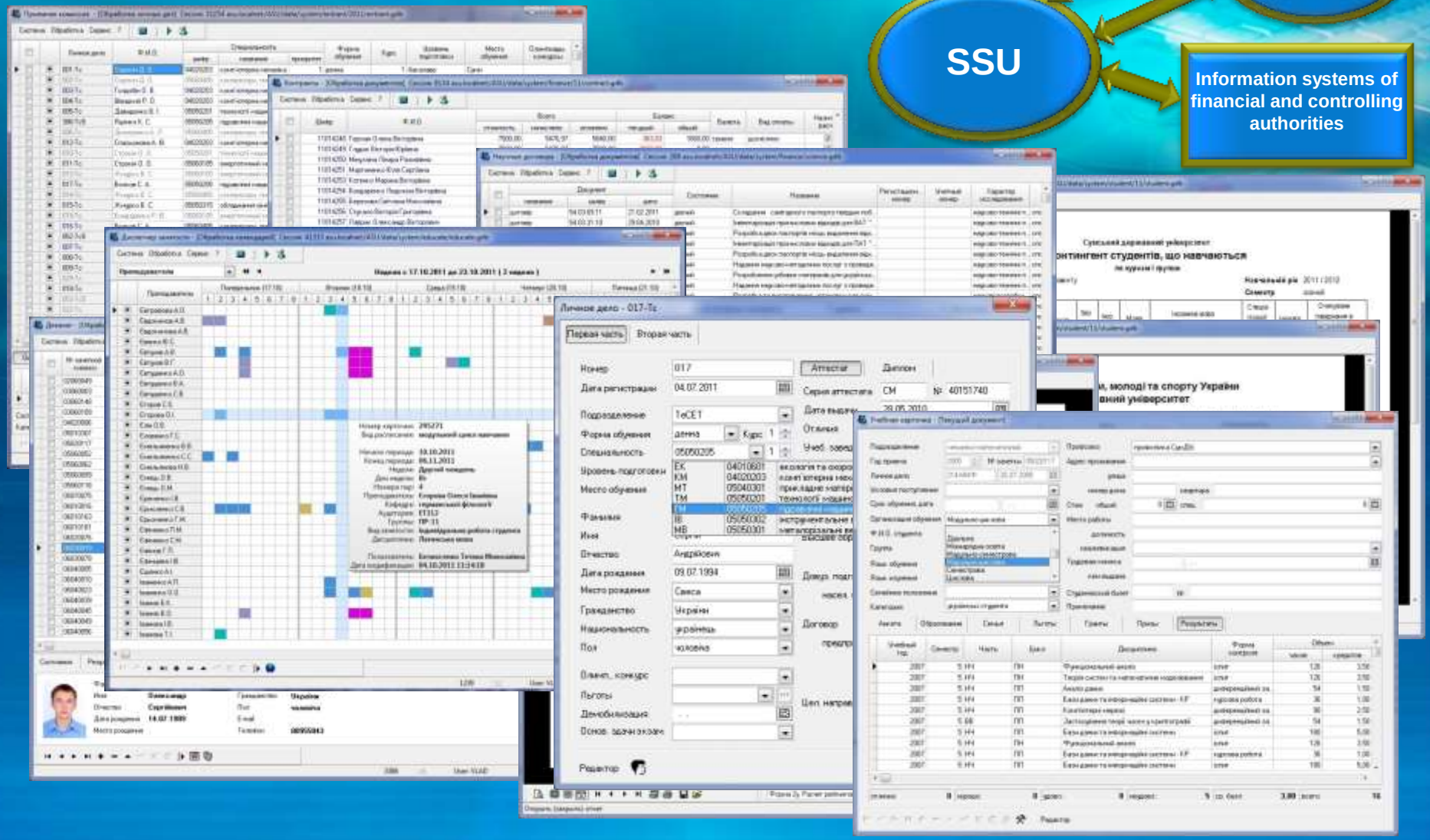
INFORMATION-ANALYTICAL SYSTEM «UNIVERSITY»

Management functions of complex subsystem «Educational process»

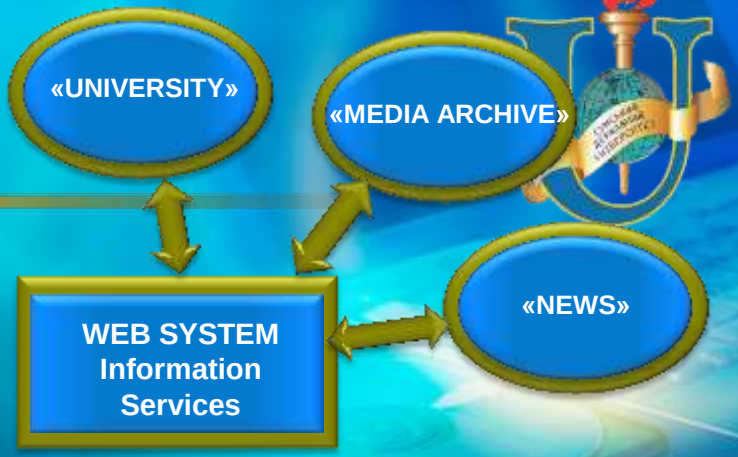
Management functions	Functionality of modules				
	Graphics of educational process	**Curriculum**	**Dean's office**	**Optional disciplines**	**Stipend**
Planning					
Analysis			- students contingent statistic; - contingent's movement statistic; - examinations results statistic; - academic disciplines success statistic.	- form for the analysis of the students distribution for option disciplines.	
	Sorting, searching and filtering (selection) data for certain conditions				
Checking		- control for the number of hours per week in module cycle; - visual control for the curricula totals.	- control for order creation by success and contract payment rate; - control for information by curriculum and numbers of re-takes; - forms for visual control for students success.	- control for number of students limits for option disciplines.	- visual control for the totals of the order.
	authorization of users in the system, log for users actions				
Recording	- input, registration and saving of basic and work graphics; - automated generation of work graphics according to basic graphics; - generation of printing forms for basic, work and semester graphics and time budget.	- input, registration and saving of basic and work curriculums; - automated generation of work curriculums according to basic curriculums and graphics; - generation of printing forms for basic, work and semester curriculums, department's loading.	- input, registration and saving of study cards of students, success records, contingent orders; - automated generation of orders for transfer, expulsion, graduation; - automated generation of main and additional information about success; - generation of printing forms for orders, information from study cards of students, lists, addendums to diploma etc.; - data export to DP2000.	- input, registration and saving of students applications and instructions ; - automated generation of instructions for students applications; - generation of printing form for instructions and students lists.	- input, registration and saving for the appointment of scholarships, financial assistance and reward; - automated generation of orders for stipend; - generation of printing forms for orders; - export of orders to "1C accounting".
	operative messaging system				

INFORMATION-ANALYTICAL SYSTEM «UNIVERSITY»

Number of users – 350



INFORMATION SERVICES



Number of unique users – 30 000

Service «APPLICANT'S PROFILE»
Service «SCHEDULE»
Service «RESEARCH CONTRACTS»
Service «DOCUMENT TEMPLATES»
Service «NORMATIVE BASE»
Service «EDUCATION COST»
Service «TELEPHONE DIRECTORY»
Service «MEDIA ARCHIVE»
Service «NEWS»

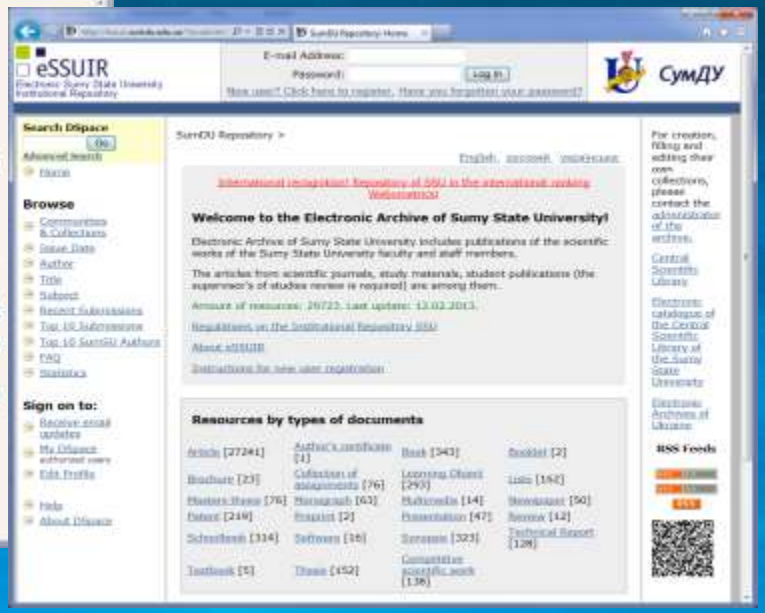
LIBRARY INFORMATION SYSTEM

Full electronic catalogue. Electronic library

Repository of scientific works

Access to more than 100 world databases of electronic resources

Free access to reading halls. Virtual reading halls



Дисертації Російської державної бібліотеки

uran

Grebennikon

Леонорм Online

CUL Online

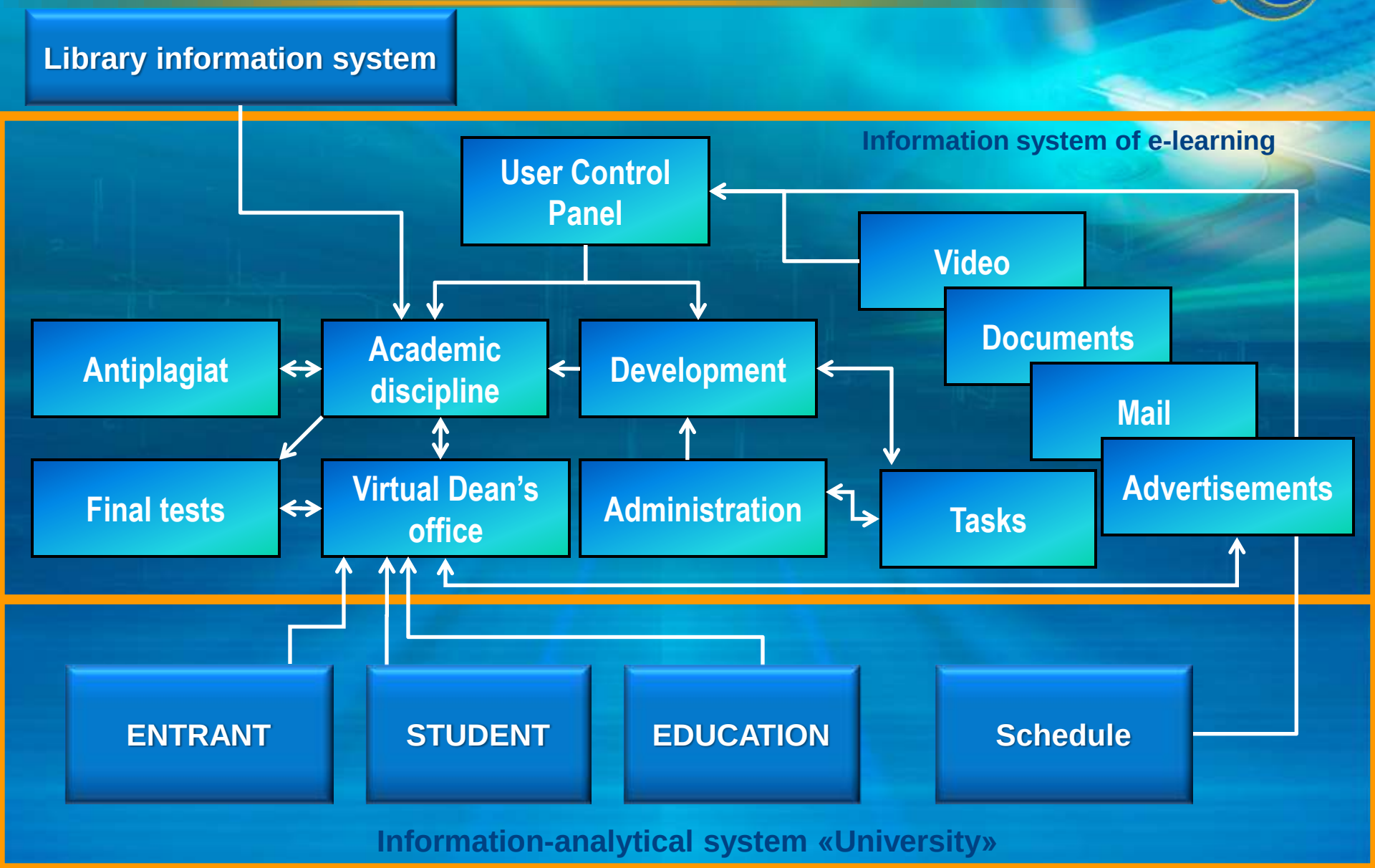
EBSCO HOST

HINARI ACCESS TO RESEARCH

ЛІГА ЗАКОН

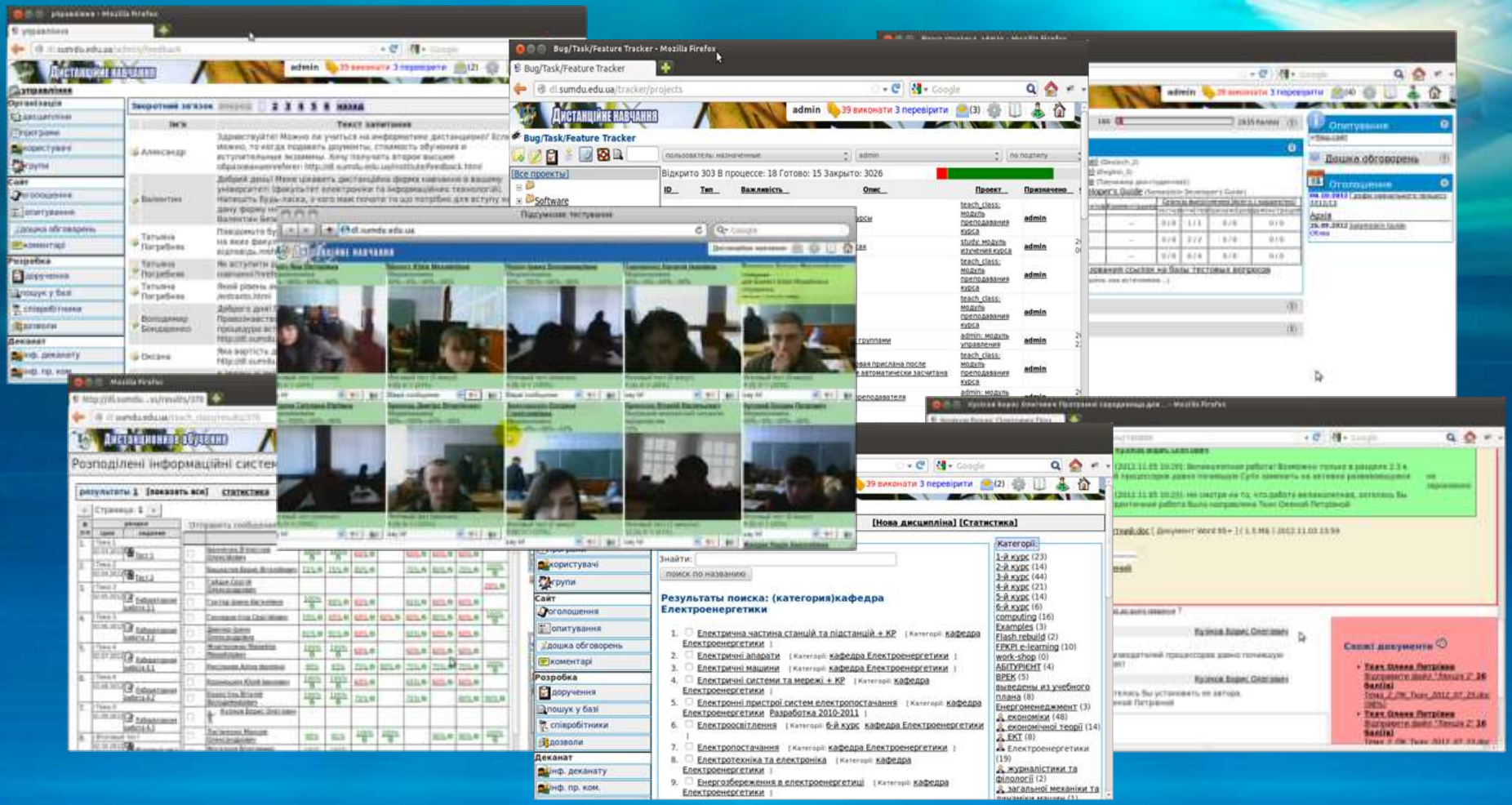
ЕЛЕКТРОННА БІБЛІОТЕКА УКРАЇНИ ELIBUKR ELECTRONIC LIBRARY OF UKRAINE

INFORMATION SYSTEM OF E-LEARNING



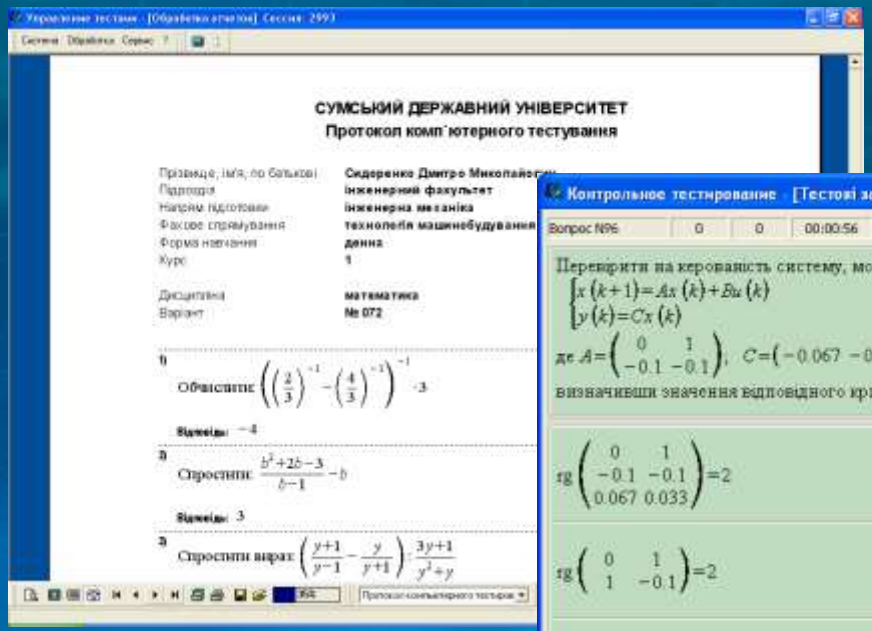
INFORMATION SYSTEM OF E-LEARNING

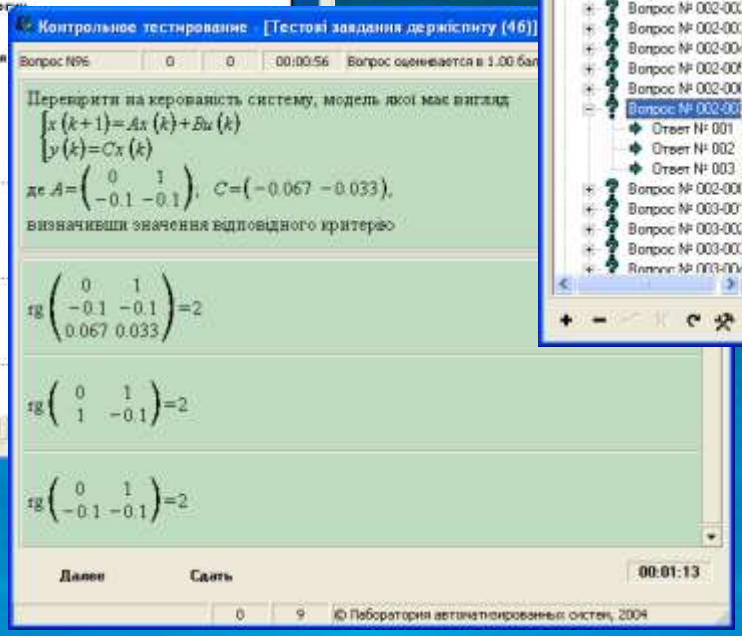
230 tutors from 35 university departments teaches 2200 students using 350 e-courses

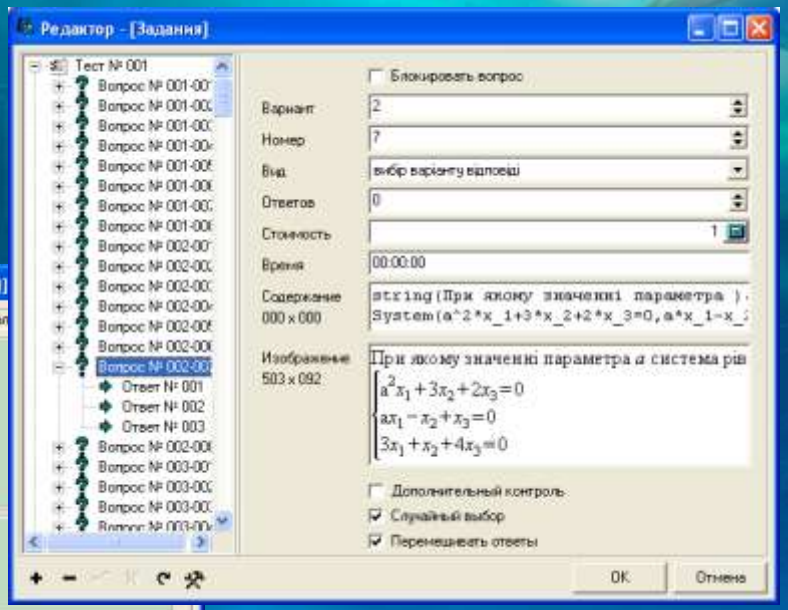


INFORMATION SYSTEM «TESTING»

Flexible opportunity of creation tests with the adjustments of assessment criterions
Providing of testing of applicants, students, specialists and teachers
Centralized database of tests and results of testing
Analysis of the results of the testing
Printing of the necessary documents and reports

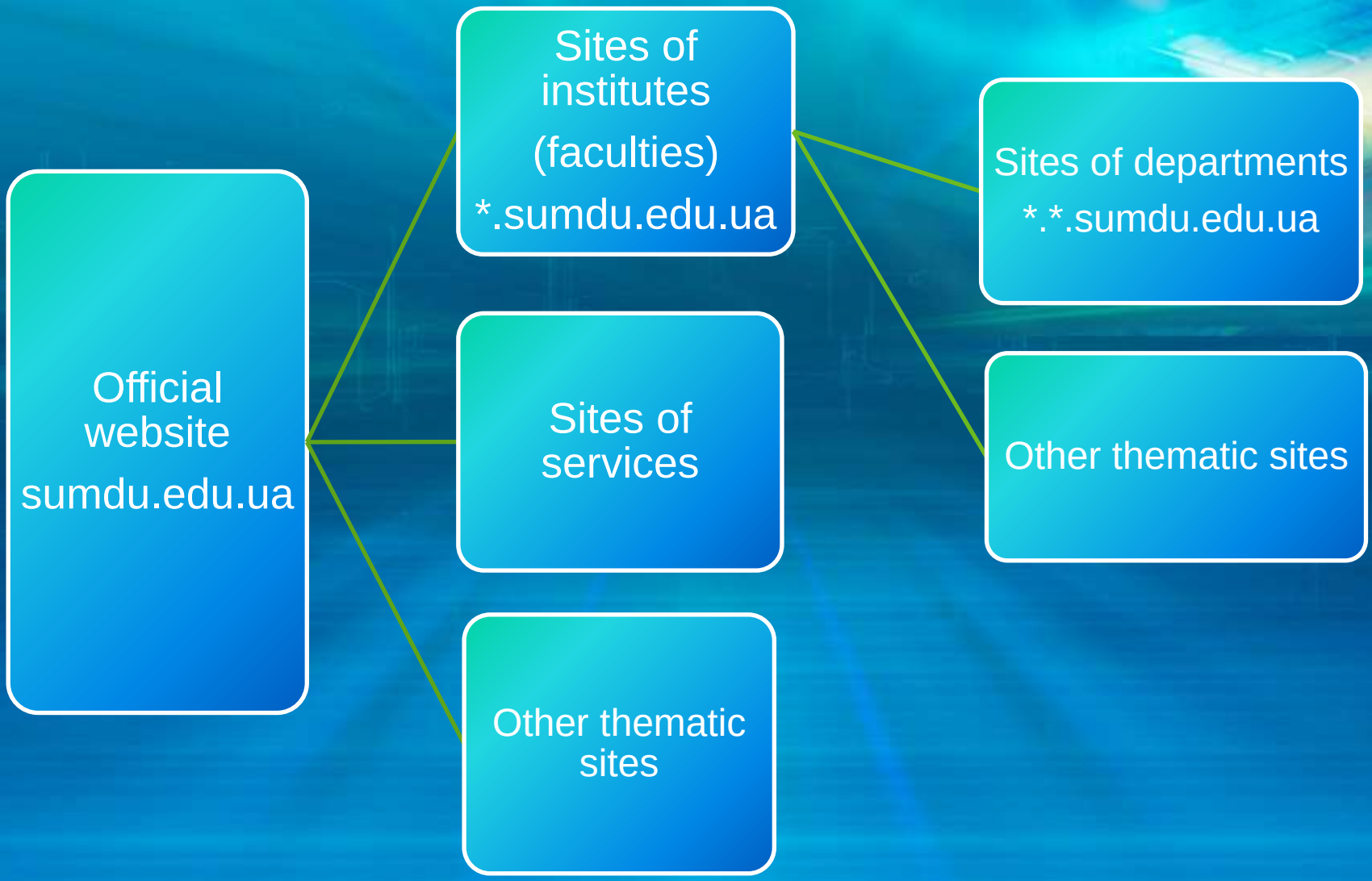






UNIVERSITY WEB-SYSTEM

Structure of university websites



ROLE OF UNIVERSITY WEB-SYSTEM

Integrating function

Databases of information systems (data sources)

Schedule

Normative base

Information services

Learning process

Repository

Displaying of information on websites (data recipients)

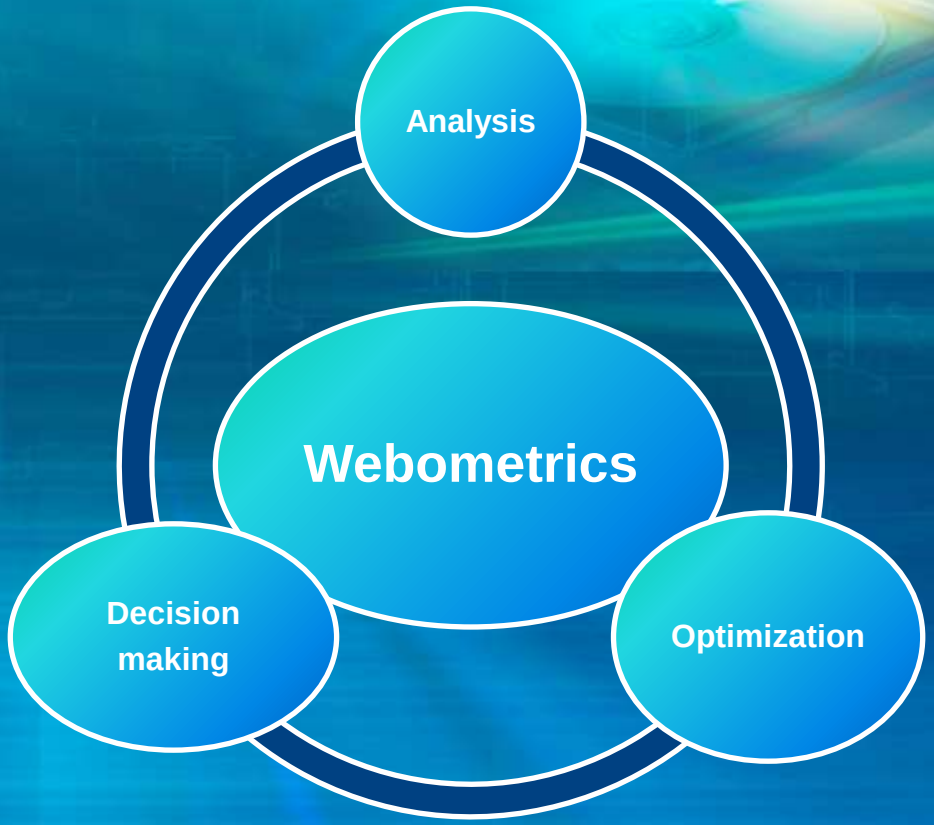
ROLE OF UNIVERSITY WEB-SYSTEM

Feedback source
(effect of publicity)

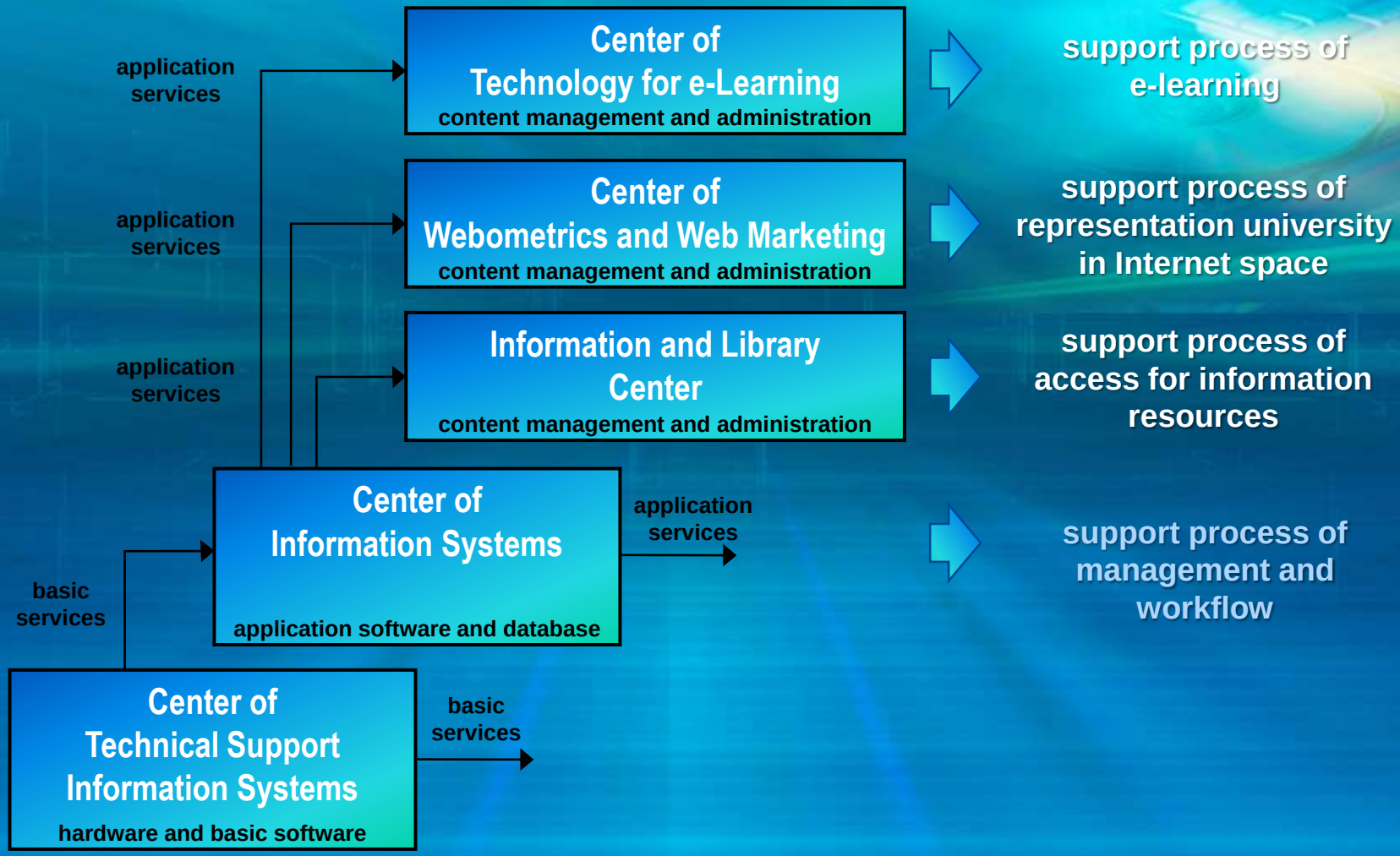
Socially useful information

World community feedback

Tool for management
decision-making



IT DEPARTMENTS FOR DEVELOPMENT AND SUPPORT OF INTEGRATED INFORMATION SYSTEM



INTEGRATED INFORMATION SYSTEM OF UNIVERSITY

In frameworks of the project «Integrated University Management System: EU Experience On NIS Countries' Ground» Sumy State University proposes to take the implementation of the following tasks:

- development concept and architecture creation integrated information university management system
- development conceptual information and functional model university
- development structure (software, information and methodological support) of the information-analytical system providing support of university management process and information services associated with it
- development structure (software, information and methodological support) of the web system, the public component of integrated information system is the feedback source and the tool of increasing of the university business processes quality