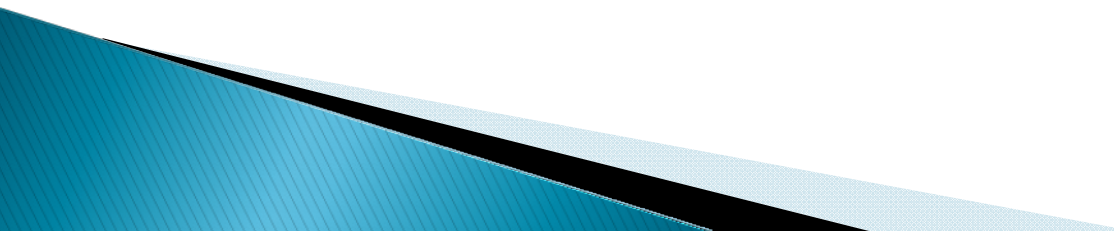


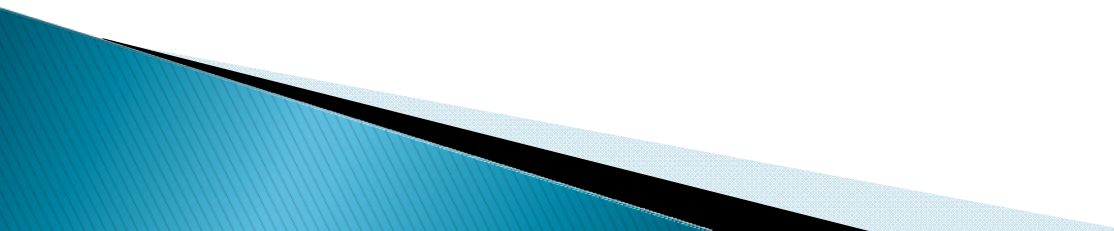
ACADEMIC LIBRARIES IN SERBIA

Prof. Aleksandra Vranes, PhD
Prof. Ljiljana Markovic, PhD
Prof. Aleksandar Jerkov, PhD

Characteristics of academic libraries in Serbia

- ▶ academic libraries are determining factor for the establishment of a national information infrastructure
 - ▶ they must meet the requirements of the open market, intellectually and technologically advanced society
 - ▶ museological and archival access to the library fund rather than through information services
 - ▶ uncoordinated and traditional library activities
 - ▶ national policy for the development of the library system and for the dissemination of scientific information needed
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University Library “Svetozar Markovic”

- ▶ oldest and largest university library in the country and the central library of the University of Belgrade
 - ▶ primarily intended for students, teachers and researchers, but is open to all citizens
 - ▶ library collection consists of the scientific and special publications, mostly in foreign languages, as well as electronic publications which can be accessed via the Academic Network
 - ▶ first building intentionally built as a library in Serbia in 1926 with donations from the Carnegie Endowment for International Peace
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University Library “Svetozar Markovic”



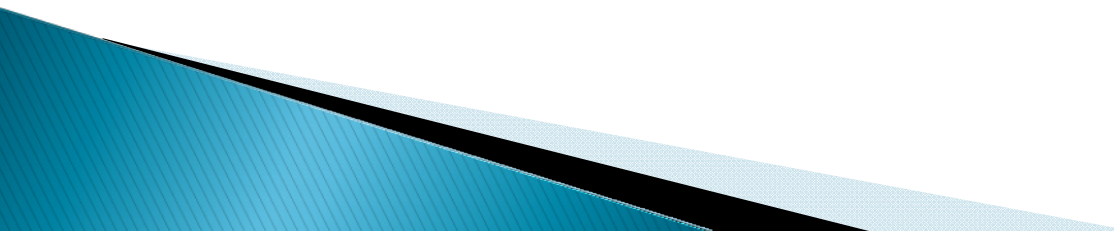
The Nis University Library “Nikola Tesla”

- ▶ founded in 1967 and since 1978 it has been named after the great scientist Nikola Tesla
 - ▶ scientific library designed to meet the learning, teaching and researching needs of the academic population
 - ▶ grown into a modern documentation – information center, the greatest of its kind in the southeast of Serbia, capable of providing comprehensive services to the widest public
 - ▶ provides its users with any information needed, including bibliographic searches, inter–library loan services and user education
 - ▶ Since 2002, via KoBSON service, the library has gained the access to electronic full–text databases of foreign scientific journals
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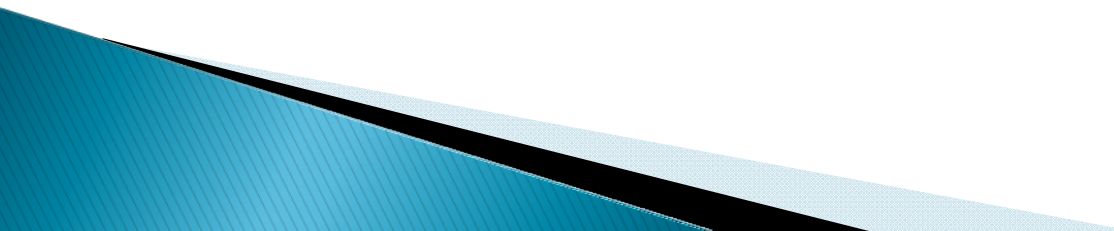
University Library of Kragujevac

- ▶ founded in Kragujevac on May 6th in 1977
 - ▶ scientific library that includes teaching activities, as well as scientific and researching processes of the University
 - ▶ contributes to successful studying, spreading and affirmation of knowledge, teaching and scientific advanced training and creative work of professors and researchers on faculties and institutes of the University in Kragujevac
 - ▶ University Library of Kragujevac, as part of its main activity, accomplishes a series of accompanying programs (scientific, literary and cultural, teaching and educational, vocational and publishing)
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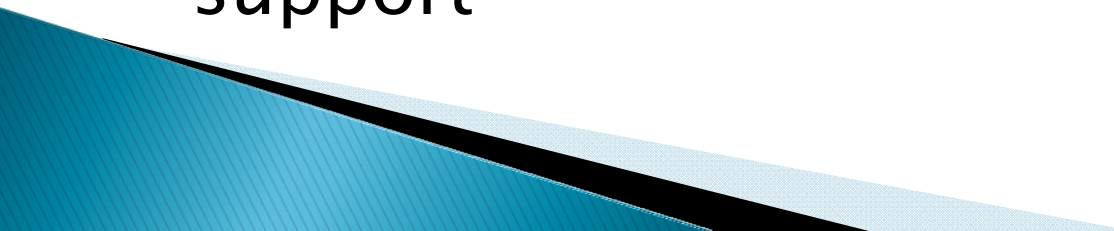
Tempus project: *Building a Cooperative Academic Library Network in Serbia*

- ▶ University Library "Svetozar Markovic" was the coordinator of the TEMPUS project "Building a cooperative network of academic libraries in Serbia", implemented from 2002 to 2004
 - ▶ University libraries from Nis and Kragujevac took place in this project, as well as foreign partners the Humboldt University of Berlin, University of Vienna, and Middlesex University in London
 - ▶ This project is rated as one of the most successful in Serbia
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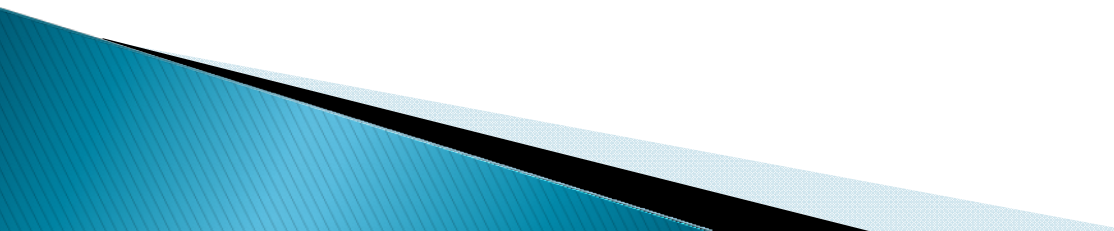
Activities leading to the development of library system in Serbia

- ▶ production of conspectuses resulting in balanced library fund, adjusted to the needs of users
 - ▶ education of users able to master the system of catalogs in traditional and electronic form, search databases, citation indexes and electronic books and journals
 - ▶ evaluation of librarian's skills as intermediaries in scientific communication
 - ▶ analysis of user needs for scientific information
 - ▶ comprehension of the organization of information and knowledge in e- learning environment
 - ▶ evaluation of KoBSON use
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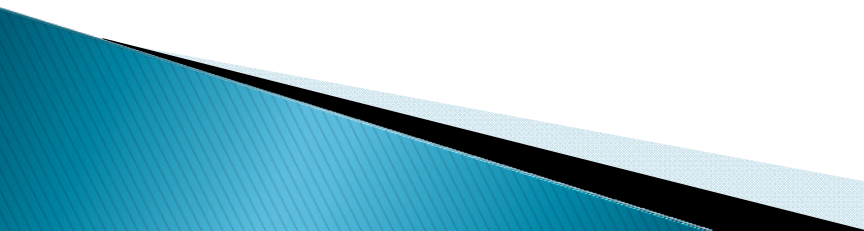
Systematic approach to modeling the development of library–information system

- ▶ methodical study of academic library network
 - ▶ thorough understanding of its structure and diverse functions
 - ▶ research on information needs, especially within the scientific community
 - ▶ defining mechanisms for meeting those needs through organizing appropriate technical, software and communication support
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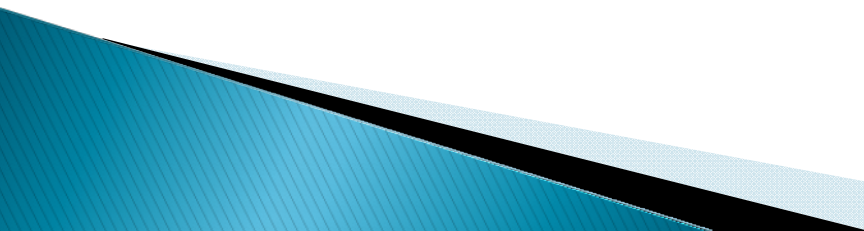
Expected outcomes of a clear national strategy aiming at improving Serbian academic library–information system

- ▶ contribute to a broad and open access to scientific information
 - ▶ support the development of open universities
 - ▶ improve expertise of personnel employed at academic libraries
 - ▶ more personalized services offered by librarians
 - ▶ development of a new paradigm of learning and scientific reasoning
 - ▶ Automated Library Information System of Serbia
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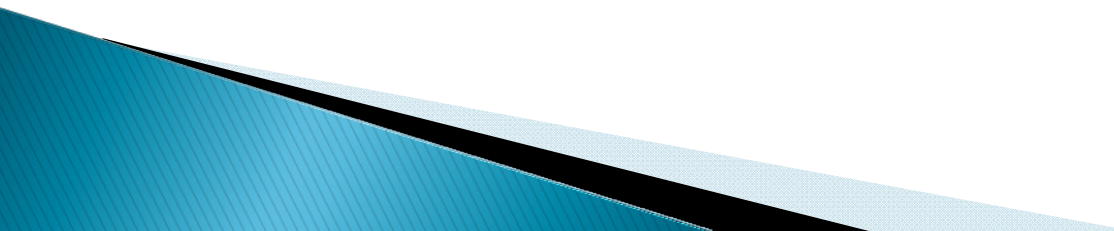
New concept and role of the library as an information center

- ▶ redefine and reengineer the concept of library–information centers as vibrant, dynamic institutions of information era adjusted to the needs of the scientific research community
 - ▶ librarianship as “organization of knowledge” or “knowledge management”
 - ▶ important role in the transfer, dissemination and use of scientific information
 - ▶ place where relevant and effective procedures for finding recorded knowledge occur
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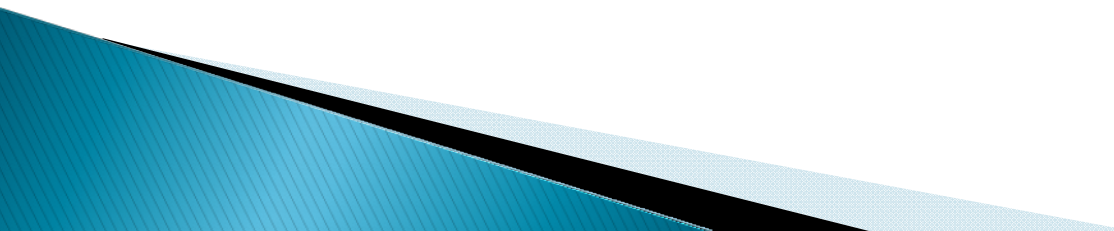
Possible consequences and benefits of reorganization of library networks

- ▶ intensification of international cooperation
 - ▶ formulation of theoretical foundation for new projects
 - ▶ establishment of digital repositories with open access within scientific institutions' libraries
 - ▶ availability of research results financed from the budget
 - ▶ combined electronic catalogs
 - ▶ digitalized library funds
 - ▶ organizational model of library services
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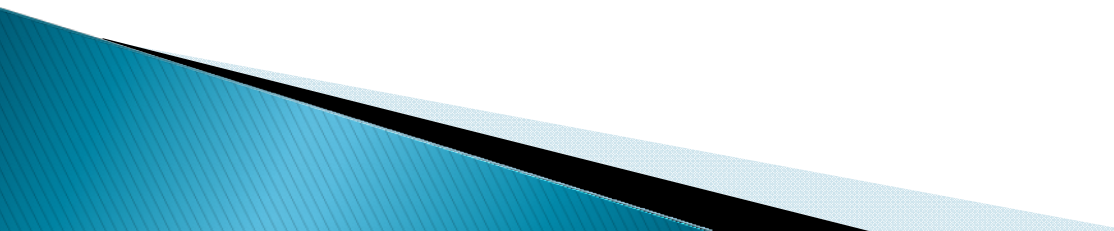
Current state in the field of the scientific research and new trends

- ▶ digitization process made available cultural resources—previously attainable only under special circumstances
 - ▶ Knowledge Discovery in Databases / KDD implies the request of appropriate content, quality and presentation of data
 - ▶ KDD is a manifestation of the search tools expansion, but is not sophisticated enough to exclude the help of librarians
 - ▶ nowadays bibliographic and all other sorts of information are bridging temporal, spatial, political and economic barriers
 - ▶ user can read the instructions on the methods to be applied in the process of scientific research, as well as on the techniques of bibliographic citations at the website of any prestigious university
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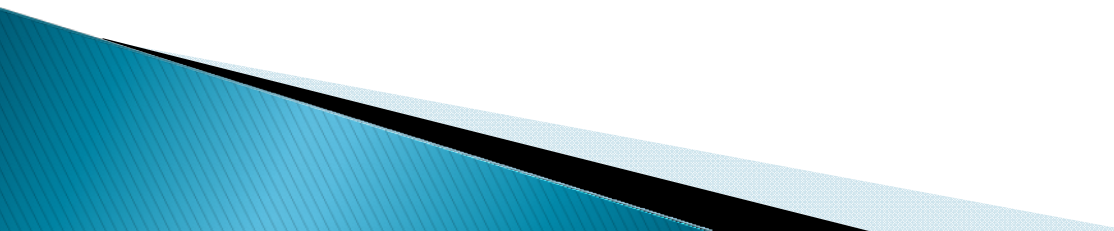
The problem of accessibility to current and relevant scientific papers

- ▶ scientific research is directly dependent on technological progress
 - ▶ variety of current and relevant information is offered via the Internet
 - ▶ but full access to scientific papers is still not available to common users
 - ▶ it is mostly possible to find basic bibliographic information and abstracts in English language
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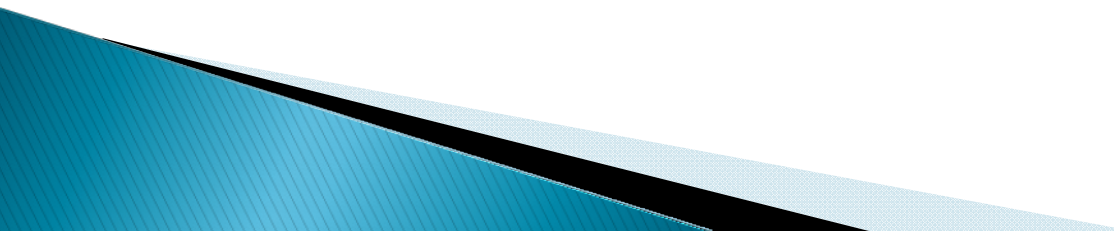
Contribution of academic libraries to the development of scientific research

- ▶ finding information through mutual library catalogs and databases available via projects of coordinated procurement between libraries
 - ▶ users can take advantage of interlibrary loan
 - ▶ Projects such as *The Virtual Library of Serbia* and KOBSON have a remarkable effect on the work of Serbian academic libraries and scientific research of PhD students in general
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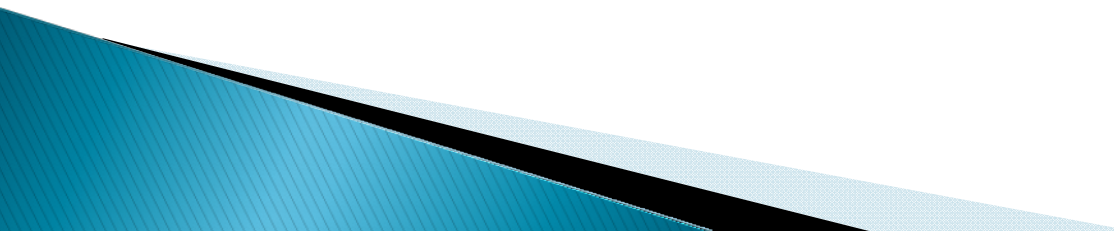
The role of academic libraries in citation analysis

- ▶ in addition to the function of preparing bibliographic information, academic libraries have nowadays a demanding task of citation analysis
 - ▶ employees in academic libraries have to recognize when citations do not necessarily reflect the scientific contribution of researchers
 - ▶ as this could leave direct consequences on their further participation in scientific research projects, evaluation of achieved results and therefore funding of subsequent research
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Problems related to citation analysis

- ▶ Implicit quotes are a collection of ideas and results that have become an integral part of public knowledge and as such they are neither attainable nor countable
 - ▶ Review articles are cited more often than the original
 - ▶ Methodological papers have disproportionately more citations than theoretical or empirical work
 - ▶ The contribution of what is cited to the value of the paper should be judged by examining the original document
 - ▶ In the process of citation the access to the document is crucial
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Citation analysis can reveal

- ▶ relevance of databases for a certain group of sciences – natural, social, humanistic
 - ▶ importance of cited sources together with the analysis of different type of papers, languages, periodicals, authorships
 - ▶ availability of scientific results to the wider audience
 - ▶ communication channels
 - ▶ key authors
 - ▶ key periodicals
 - ▶ key institutions
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Conclusions

- ▶ library is an academic–scientific unit whose mission and vision is of great importance for the development of scientific research and educational processes particularly within higher education institutions
 - ▶ communication between deans and librarians is essential for good organization of academic libraries
 - ▶ during the process of accreditation of universities in Serbia the character of library as a scientific–educational base has been recognized, but the parameters related to the funds, their processing and library personnel remained unadjusted
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