LIBRARY NETWORKING IN SOUTH ASIA
THE ISSUES

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Networked Digital Libraries : A Vision

- Access   any document
  - In any Language
  - In any format
  - Anywhere in the world
  - Any time as required
  - At a very low cost

Networked Digital Resources : A Vision

- Linked to any institution in the world.

- Offer digital documents globally.

Changing Publishing Methods

- From Print to the Digital

- Publishing on the INTERNET

Growing Dimensions

- From tangible to intangible media

  – sources of information and representations of knowledge on the INTERNET.

Growing Dimensions(contd.)

- From Books and Journals to services and databases

  - The knowledge packages are published and distributed on the INTERNET.

Growing Dimensions(contd.)

- From buying to leasing

    – access to knowledge packages is controlled on the INTERNET

Growing Dimensions(contd.)

- From ascertaining to using

  – New purposes for the catalog. To help others to use knowledge packages on the INTERNET.

Library Networks in South Asia

- National Overview

Bangladesh

University Libraries	22
University Institute Libraries	11
College Libraries	1,075
National Libraries	2
Public Libraries	68
Government Libraries	500
Private Libraries	500
Special Libraries	665
Total:	2,843

Bangladesh (contd.)

1. Library cooperation is still informal

2. Institutions like the National Health Library and Documentation Centre,and Bangladesh Institute of Development Studies that have developed proper arrangements for inter-library loan.

3. Resource sharing among libraries in Science and Technology is carried.Bangladesh National Scientific and Technical Documentation Centre is working on the project.

Bhutan

Public and Institutional Libraries   7

Maldives

1.	National Library		1
2.	Religious Library		1
3.	Government Libraries		10
4.	Institutional Libraries		10
			___
			22

The networking of libraries is being considered by the Ministry for Communication, Science and Technology.

Nepal

1.   **Academic Libraries**

    (a)   **University Libraries**   **5**
    (b)   **Campus Libraries**   **80**
    (c)   **Affiliated Campus Libraries**   **145**
    (d)   **Higher Secondary School Libraries**   **400**
    (e)   **Secondary School Libraries**   **100**

2.   **Institutional Libraries**   **7**
3.   **Public Libraries**   **900**

    1,637

Nepal(contd.)

- **Efforts for networking of libraries are on.**

- **The establishment of Scientific and Technological Information Network (STIN) by the Royal Nepal Academy of Science and Technology (RONAST) has not progressed.**

- **Tribhuwan University Library has been initiating resource sharing activities.**

Pakistan

More than 3,000 libraries exist in Pakistan but the breakup is available for the following libraries only:

- **National Libraries** — **2**
- **Public Libraries** — **223**
- **Special Libraries** — **421**
- **Institutional Libraries**
- **University Libraries** — **147**
- **College Libraries** — **927**
- **School Libraries** — **123**

Total: **1,843**

Pakistan(contd.)

1. The networking of libraries is considered necessary. A multi-type library network at city or national level not started.

2. A number of organisations such as Pakistan Institute of Development Economics, National University of Science and Technology and Lahore University of Management Sciences (LUMS) have well-organised and computerised libraries.

3. Online access to Internet resources is growing.

4. In the past the use of SERNET (Serial Network), DEVINSA, H.E.J. Science and Technology Information Network, Lahore Business and Economic Libraries Network (LABELNET) and National Documentation Centre Library Information Network (NADLIN) was being used.

Sri Lanka

1.	National Library	1
2.	Public Libraries	580
3.	Piri Vena Libraries	363
4.	Technical Institute Libraries	19
5.	College Libraries	19
6.	Special Libraries	65
7.	Government Libraries	30
8.	University or Higher Education Libraries	22
9.	Institutional Libraries	20
10.	School Libraries	66
		1,185

There is no library network but the following institutions offer access to information

- SLISTINET (Sri Lanka Scientific and Technical Information Networks)
- HELLIS
- AGRINET
- TECHINET
- TRADENET   SL
- ENLINET
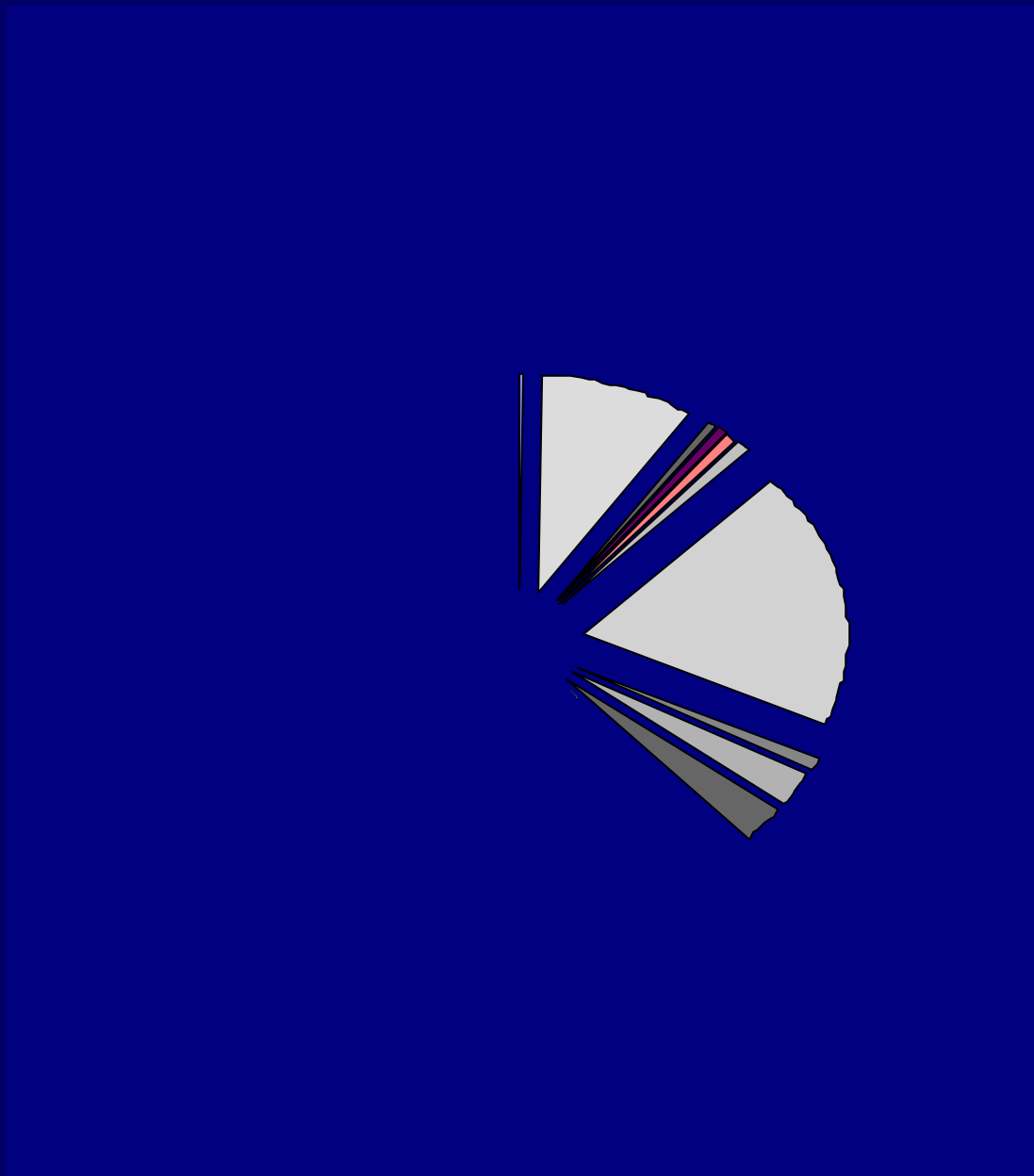- National Information in Education
- NATNET LANKA

India

1.   Academic Libraries

     (a)   Universities   223
     (b)   Deemed to be Universities   37
     (c)   Open Universities   7
     (d)   Colleges   8,000

2.	Public Libraries	54,845
3.	Science and Technology Libraries	1,200
4.	Social Sciences Libraries	450
5.	Government Departments	800
6.	Humanities Libraries	500
7.	National Libraries	7
8.	Industrial Libraries	5,000
8.	School Libraries	10,000
		————
		81,069

ndia(contd.)

Network Initiatives

- INFLIBNET

- DELNET

- CALIBNET

- MALIBNET

- BONET

- MYLIBNET

- PUNENET

- ADINET

ndaman and Nicobar Islands	1
ndhra Pradesh	68
unachal Pradesh	1
ssam	4
har	4
handigarh	5
hhattisgarh	6
elhi	141
oa	6
ujarat	17
aryana	20
machal Pradesh	5
mmu & Kashmir	5
arkand	7
rnataka	63
erala	25
adhya Pradesh	29
aharashtra	66
anipur	1
eghalaya	1
rissa	17
ondicherry	6
unjab	18
ajasthan	19
kkim	2
amil Nadu	101
ipura	1
tar Pradesh	42
taranchal	10
est Bengal	28
otal	**719**

2. Other SAARC Countries

Nepal	1
Sri Lanka	3
Total	**4**

3. Outside SAARC

Oman	2
Philipines	1
United Arab Emirates	1
United States	2
Total	**6**

Grand Total	**729**

Geographical Distribution

719
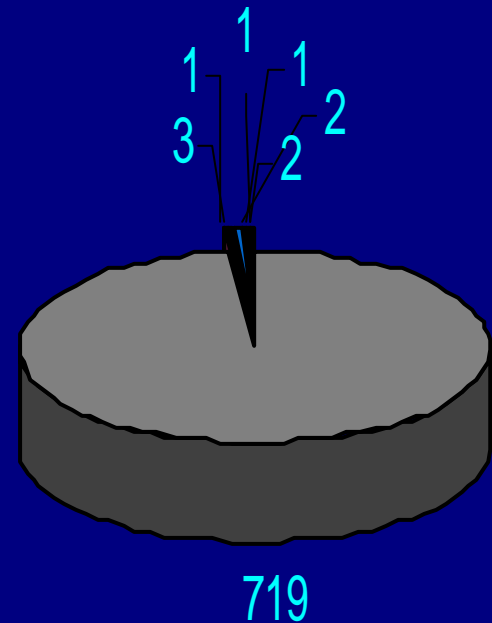
Subject -wise Breakup

General	100
Science and Technology	519
Social Science	89
Humanities	21
Total	**729**

Subject-Wise Breakup
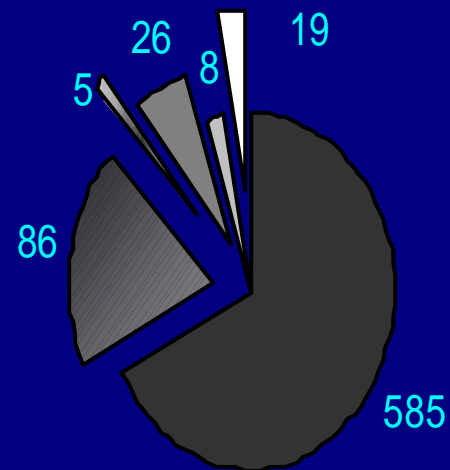

89   21   100
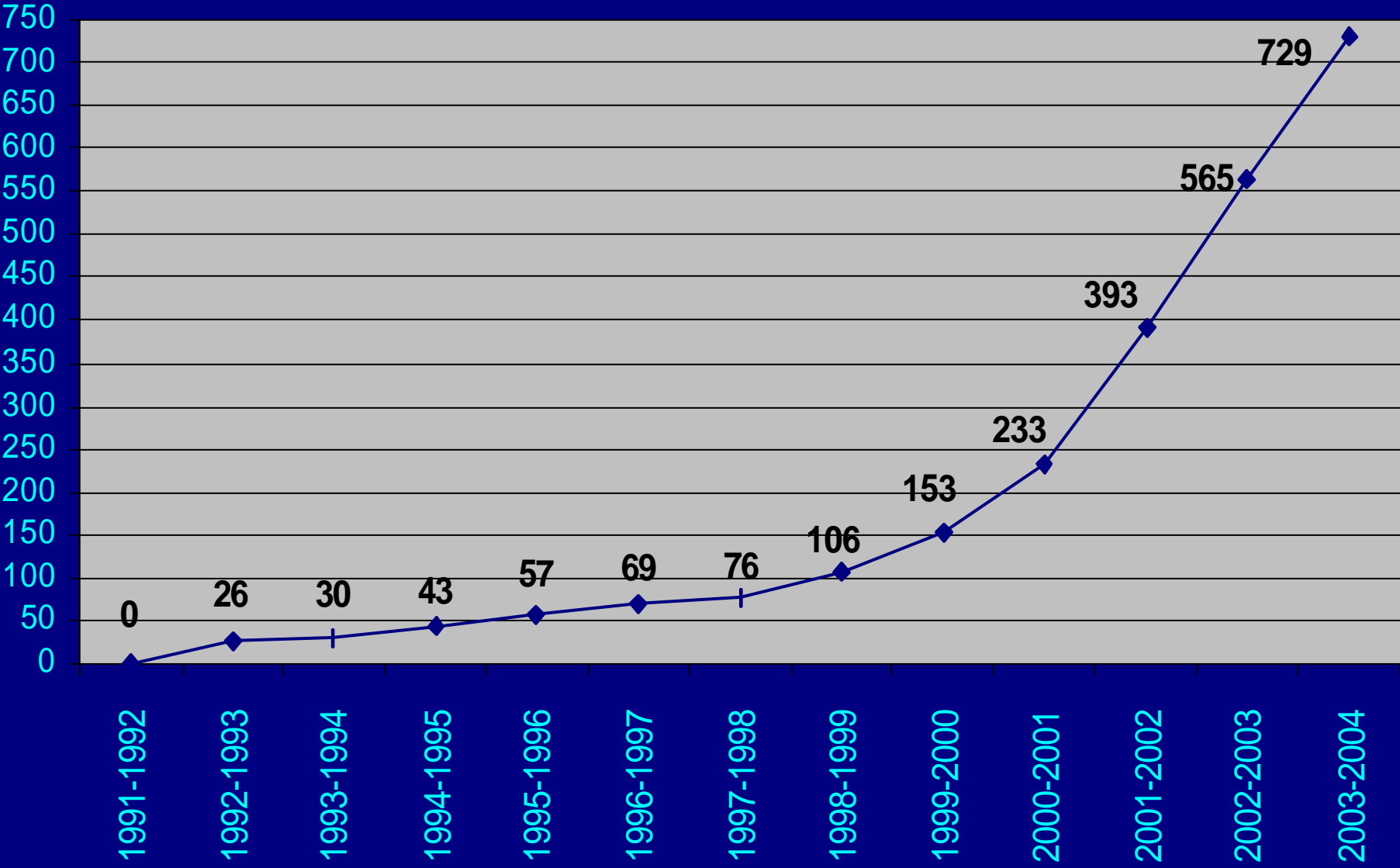
519
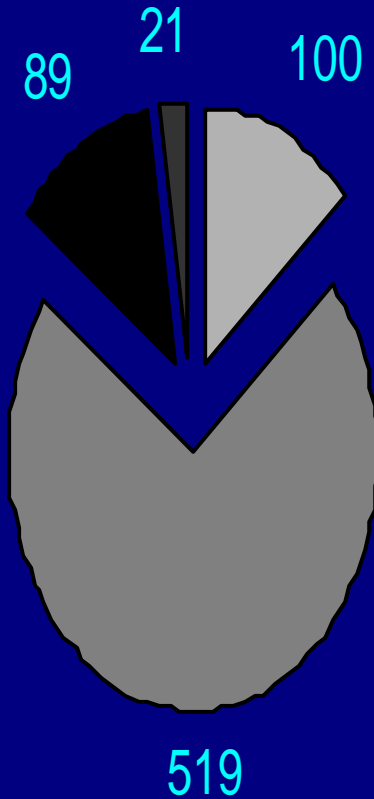
Types of Libraries

Academic
   Universities   33
   Colleges/Institutes/
   Deptt./Centres   552   585
Research/Special   86
Public Libraries   5
Government Libraries   26
Libraries of Diplometic
Missions/UN Agencies   8
Miscellaneous including Trusts 19

Total   729

Type-wise Breakup

26   19
5   8
86
585

Growth of DELNET Membership

Network Initiatives(Contd.)

DELNET (http://delnet.nic.in)

- Union Catalogue of Books   28,55,821
- Union Catalogue of Books(MARC)   44,132
- Union Catalogue of Periodicals   19,289
- Union List of Periodicals   21,402
- Article Database   5,69,583
- CD-ROM   2,106
- Union List of Video Recordings   3,667
- Union List of Sound Recordings   748
- Indian Specialists Database   2,000
- Union Catalogue of Hindi Books   3,000
- DEVINSA Database   20,000
- Union List of Theses and Dissertations   41,420
- Union List of Serial : Management Libraries   800

DELNET(Contd.)

Links to National and International Databases

- GISTNIC Databases
- MEDLARS and other Databases of NLM
- US Patents: Full Text
- Library of Congress Catalogues
- Books New Arrivals from the INTERNET
- Books Reviews
- Current Contents of selected Journals

DELNET(Contd.)

Software Developed

- **DELPUS**

    Developed on Visual Basic and MS-Access

- Special Features (DELPLUS)

- For all kinds of libraries
- Free upgradation
- Follows internationally recommended standards and formats such as US-MARC, MARC 21, AACR-II
- Best for smaller libraries

- DELPLUS(Contd.)

This Software is easy to work with and comprises the following modules:

- Acquisition
- Cataloguing
- Circulation
- OPAC
- Administration
- Export/Import
- Authority Control
- Article Indexing
- Report Generation

DELNET(Contd.)

Software Developed(Contd.)

- **DELMARC**

- Developed on Visual Basic and SQL Server

Special Features

- For all kinds of libraries including public libraries, academic libraries and special libraries
- Multi user facility
- Free upgradation
- Follows internationally recommended standards and format such as US-MARC, MARC 21
- Available at a very low cost

Software Developed (Contd.)

- **DELDOS**

- Efficiency of OPAC module
- No wastage of disc space
- Fast retrieval of multilingual records
- Duplicate checks and validation checks in various modules
- Full security
- Facility for defining the tags /indexes/global data
- Protected with password control
- More features such as copy option, delete in range, undelete in range/single/all, etc
- Permanent deletion and updation of disk space
- Automatic backup facility

DELNET (Contd.)

Services

- Online access through Internet and Local Dial Up
- ILL Online
- INTERNET and E-mail
- Retro-conversion
- Training Programmes, Workshops, Seminars and Lectures

- NICNET

  Established by National Informatics Centre , Planning Commission ,Govt. of India in 1987.It provides following services:
  - Videoconferencing Facility
  - Interactive Access
  - INTERNET Access
  - Remote Database Access
  - Electronic Mail Facility
  - Electronic Data Interchange(EDI)
  - File Transfer Facility
  - Software Design and Development
  - Geographical Information System
  - Computer Aided Design
  - Bibliographic Informatics (MEDLARS,Patent Information
  - Training

ERNET

ERNET (Education and Research Networks) was established in 1986 and offers a nationwide network for the academic and research community.

Services:

- E-mail
- USENET News
- File Transfer, Remote Login
- Database Access
- USIS(User Services Information Services)

INTERNET Service Provider (ISP)

- Software Technology Parks of India (ww.stpi.ernet.in)

- Software Technology Park, Bangalore (www.stpb.soft.net)

- Videsh Sanchar Nigam Limited (VSNL) (www.vsnl.net.in)

- Mahanagar Telephone Nigam Limited (MTNL)(www.mtnl.net.in)

- NIC (www.nic.in)

- ERNET India (www.doe.ernet.in)

- Bharati BT Internet Limited (www.mantraonline.com)

- Satyam Infoway Limited (www.satyamonline.com)

- Network of the World(NOW) (www.now-india.com)

- Tatanova (www.tatanova.com)

Major Issues in Networking

- High Bandwidth Connectivity

- Training

- Software

- Retro-conversion

- Document Delivery

- Multi-type Library Networks

- International and National Databases

- Union Catalogues

- National Bibliographic Databases

- Use of International Standards

  - MARC 21
  - AACR II
  - LCSH
  - DDC

- Preservation of Digital Documents

- Authority Databases

- Rationalisation of Resources

Major Issues in Networking (contd.)

- Books in Print Databases

- Centralised Classification and Cataloguing

- Support for Resource Sharing

- Resource Sharing Technology

- Language Barriers

- Copyright Regulations

Library Management/Networking Software

- Support Various Character Sets - Non Roman Alphabets
- Library Management
- Flexible for Local Variations
- Export/Import Facility
- Format Compatibility
- Web Access

THANK YOU