Skills And Competencies for Scholarly Communication: An Indian Perspective.

Hello!

Good Afternoon

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'The system through which research and other scholarly writings are created, evaluated for quality, disseminated to the scholarly community, and preserved for future use.'

(Association of College and Research Libraries, 2002)

Competence has been defined as the interplay of knowledge, understanding, skills and attitudes required to do a job effectively from the point of view of both the performer and the observer
(Murphy, 1991).

Outline

▷ Background

▷ Objectives, Research Design

▷ Services extended by Libraries for Scholarly
Communication

▷ Skills and Competencies Assessed

▷ Training needs of Librarians

▷ Reflections

Background

▷ Society publications the scholarly communication pattern in India was parallel to global developments.

▷ Establishment of universities, national level documentation centers and Information systems like NASSDOC and NISSAT, NIC enhanced research output in India.

▷ Advent of ICT and dynamic and interdisciplinary nature of research triggered libraries to reinvent themselves to serve researchers.

Background

▷ Further establishment of INFLIBNET and its taking up under its umbrella of E-Shodhsindhu gave further responded to overwhelming pace of changes in research activity.

▷ To meet the changing needs of researchers libraries have to extend new services or realign existing services.

▷ Therefore the need for newer skills and competencies

Objectives

▷ To examine the current research support services extended by the university libraries in India.

▷ To identify skills and the level of their proficiency and competencies needed for scholarly communication services.

▷ To ascertain the training needs in the area of scholarly communication.
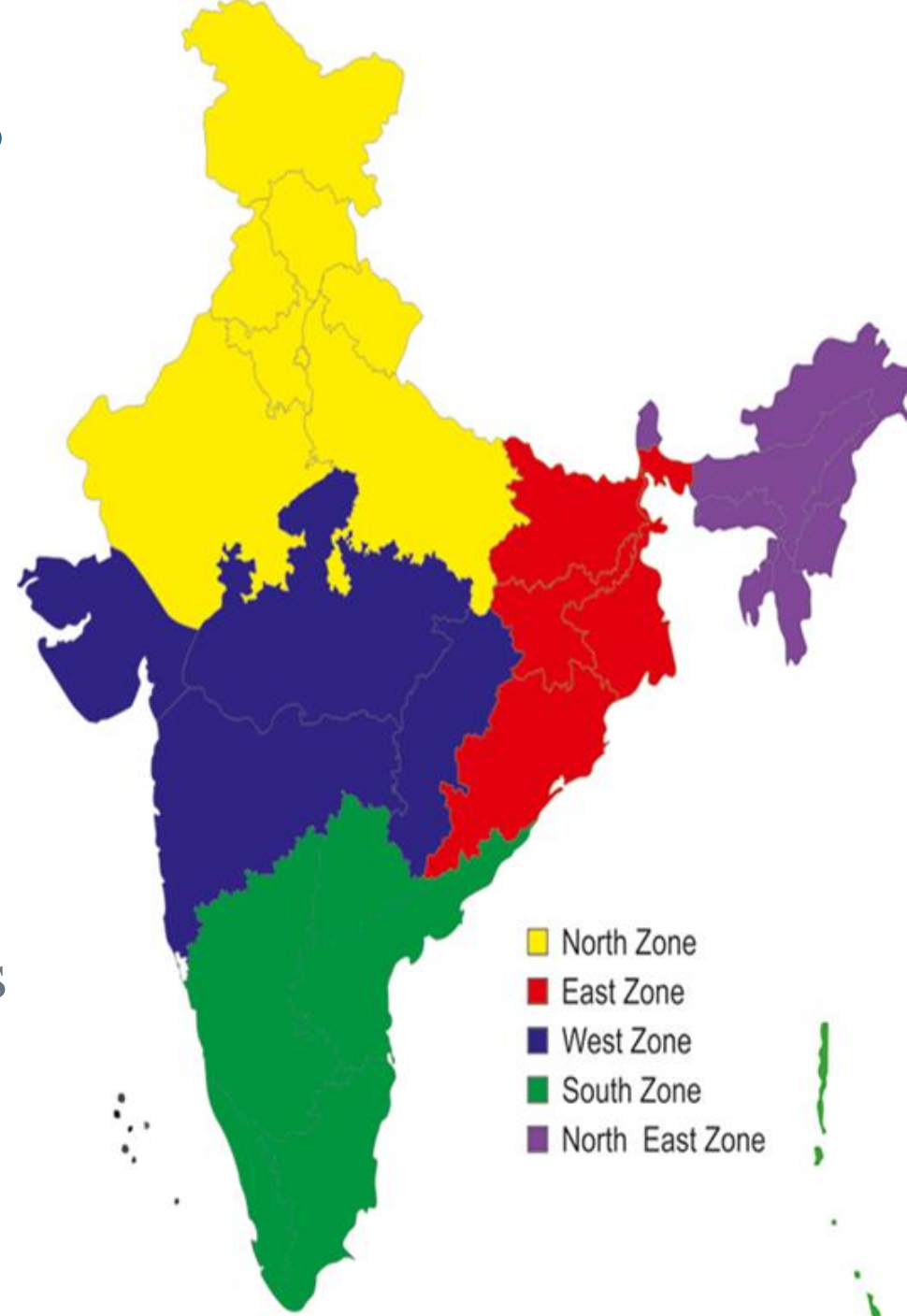
Research Design

▷ Descriptive Survey

▷ Questionnaire (Online Survey Software :Survey Monkey)

▷ Research Lifecycle Model with four stages used to identify services extended for each phase.

▷ Skills and Competencies List based on CILIP and NASIG guidelines

▷ Sample represented Indian University Libraries from East, West, North and South India

Profile: Universities

45 university libraries

▷ 23 state universities

▷ 8 deemed universities

▷ 7 central universities

▷ 5 Institutes of National Importance

▷ 2 state private universities

North Zone
East Zone
West Zone
South Zone
North East Zone

Research Life cycle

Services extended by libraries identified on the basis of model.

Idea Discovery
- Facilitating In-depth Discovery
- Research Guides
- Research focused material
- Ask a Librarian
- Personalized research assistance
- Information Literacy
- Research Commons

Getting Prepared/ Organised
- Information on Funding Sources and Policies
- Understanding and measures for compliance to mandates of OA laid down
- Public Access and Funder Mandated RDM Plan

Conducting Research
- Statistical Software
- Manage Citations
- Guidance on Ethics in Research
- Research Data Services - Curation (Archiving Research Data for Long Term preservation)

Publication and Dissemination
- Assisting with publication process
- OA Policies and Publications
- Anti-plagiarism and Citation Management and Style Guidance
- Copyright and IPR
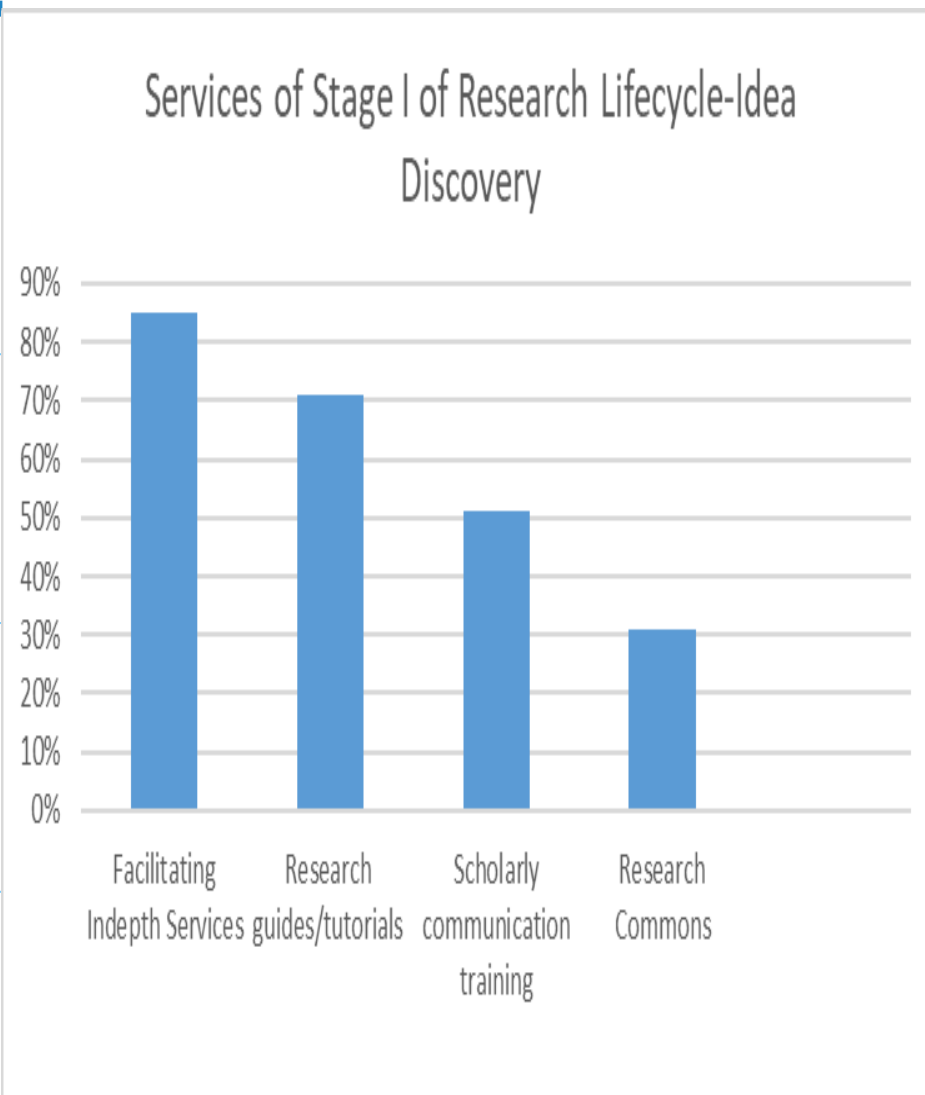- Improving Visibility (IR/Web 2.0)
- Research Metrics

Services for Stage I: Idea Discovery

Facilitate in-depth discovery services

Research guides/ tutorials

Scholarly communication training

Research Commons

Services of Stage I of Research Lifecycle-Idea Discovery

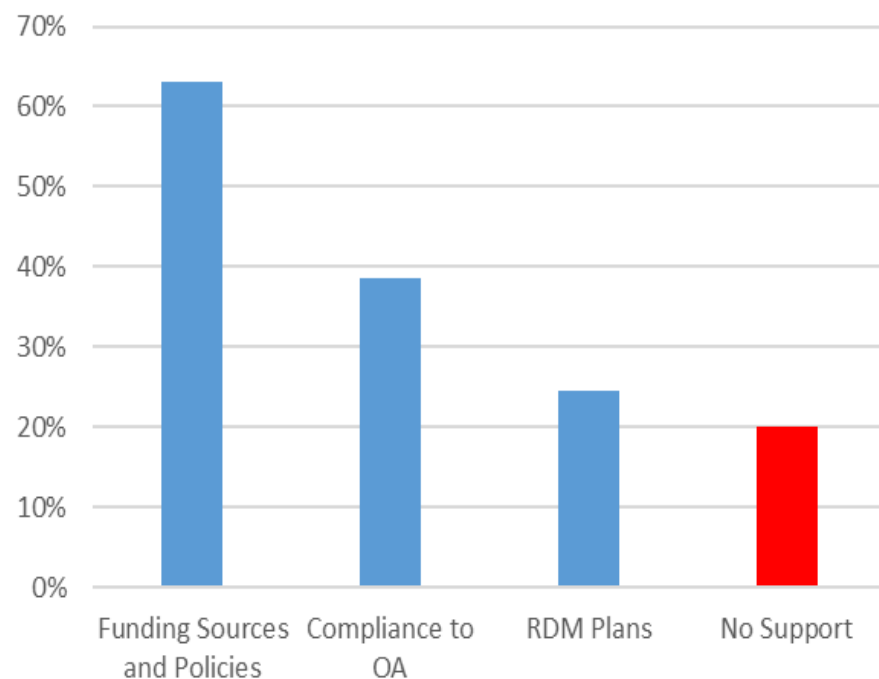# Services for Stage II: Getting Prepared

Funding
Sources and
Policies

Compliance
to OA

RDM Plans

No
support

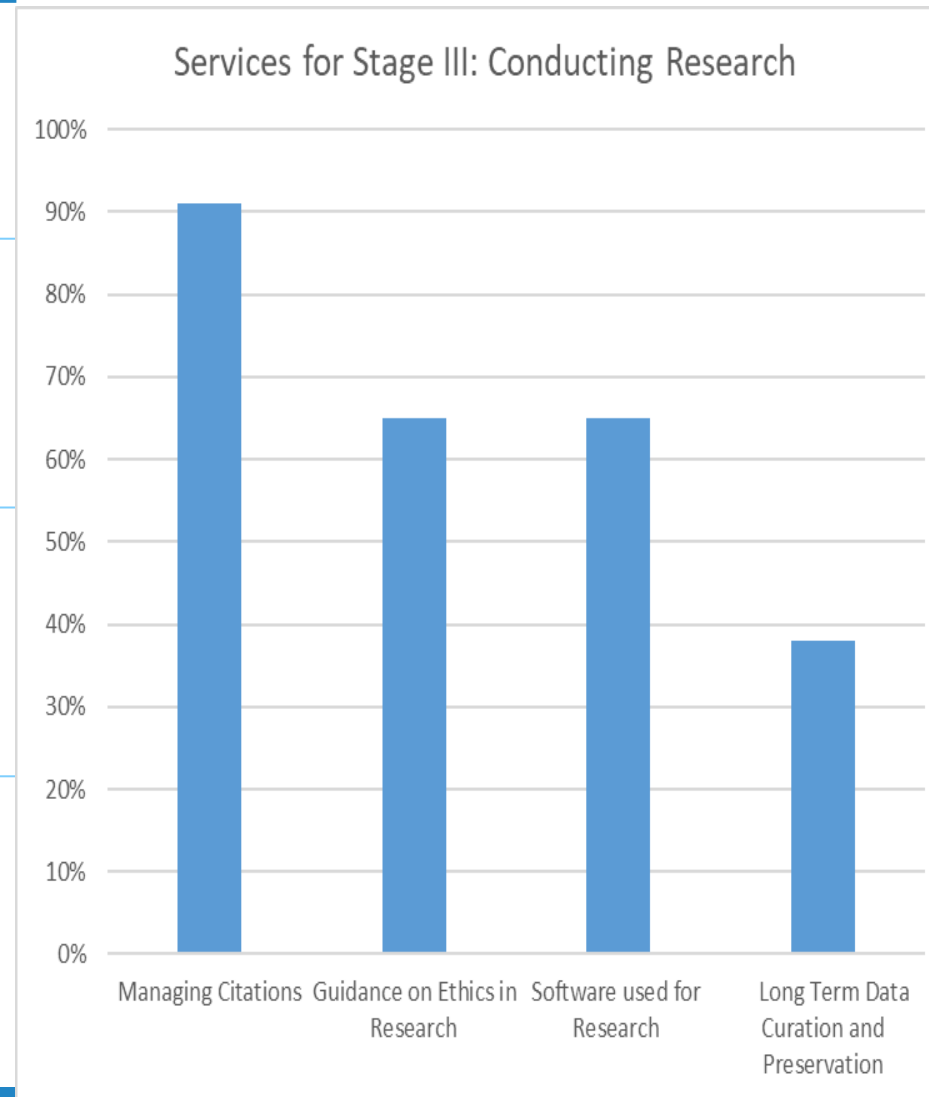### Services of Stage II of Research Lifecycle- Getting Prepared

Services for Stage III: Conducting Research

Managing Citations

Guidance on Ethics in Research

Software used for Research

Long Term Data Curation and Preservation

Services for Stage IV: Dissemination

▷ Anti-plagiarism Software

▷ Assisting in Publication

▷ Style Guide & Ref Management Software

▷ Building and maintaining IR and ETD

▷ Identifying predatory publishers

▷ Assisting with OA publication

▷ Compliance with copyright conditions laid down by publications

▷ Improving visibility of the publications

▷ Helping researchers with their author profiles and research evaluation metrics

Skills and Competencies

Self assessment of skills and competencies and training needs identified

Personal Strengths

ICT Applications

Social Media applications

Designing Online and Offline IL programs

Communication

Collaboration

Adaptation

Skills- Collection and Retrieval

▷ Information retrieval from databases and search engines

Most of the staff possessed advance level skills

▷ Negotiations with the publishers & Licence agreements

Basic and Intermediate Level

▷ Digital Rights Management skills

Majority lacked this skill

Skills- Funder Mandates and Data Management Plans

▷ Skills in the area of Funder Mandates and RDM

Lower as compared to other skills. Majority lacked this skill

▷ Information about funder Mandates find mandates.

Basic Level Skills

▷ Research Data Management

Very Few possessed skills in the area of RDM

Skills-IR and ETD

▷ Selection and Implementation

Majority Librarians possessed Advance Level Skills

▷ Applying Publishers Policies about archiving

2/3 possessed Intermediate and Advance level Skill

▷ Contribution to Policy Development for the Institution

Intermediate

Skills- Publications

▷ Use of different style guides and citation Management Tools

Most possessed Intermediate or Advance level skills

▷ Evaluation of Journals

Most possessed Intermediate or Advance level skills

▷ Author Rights

Very few possessed skills

Skills-Metrics and Visibility

▷ Skills for use of social media for increasing visibility

Highest among

Among skills in this area

▷ Knowledge of emerging metrics

Intermediate Level of skills.

▷ Author Profiling systems

Basic and Intermediate level skills.
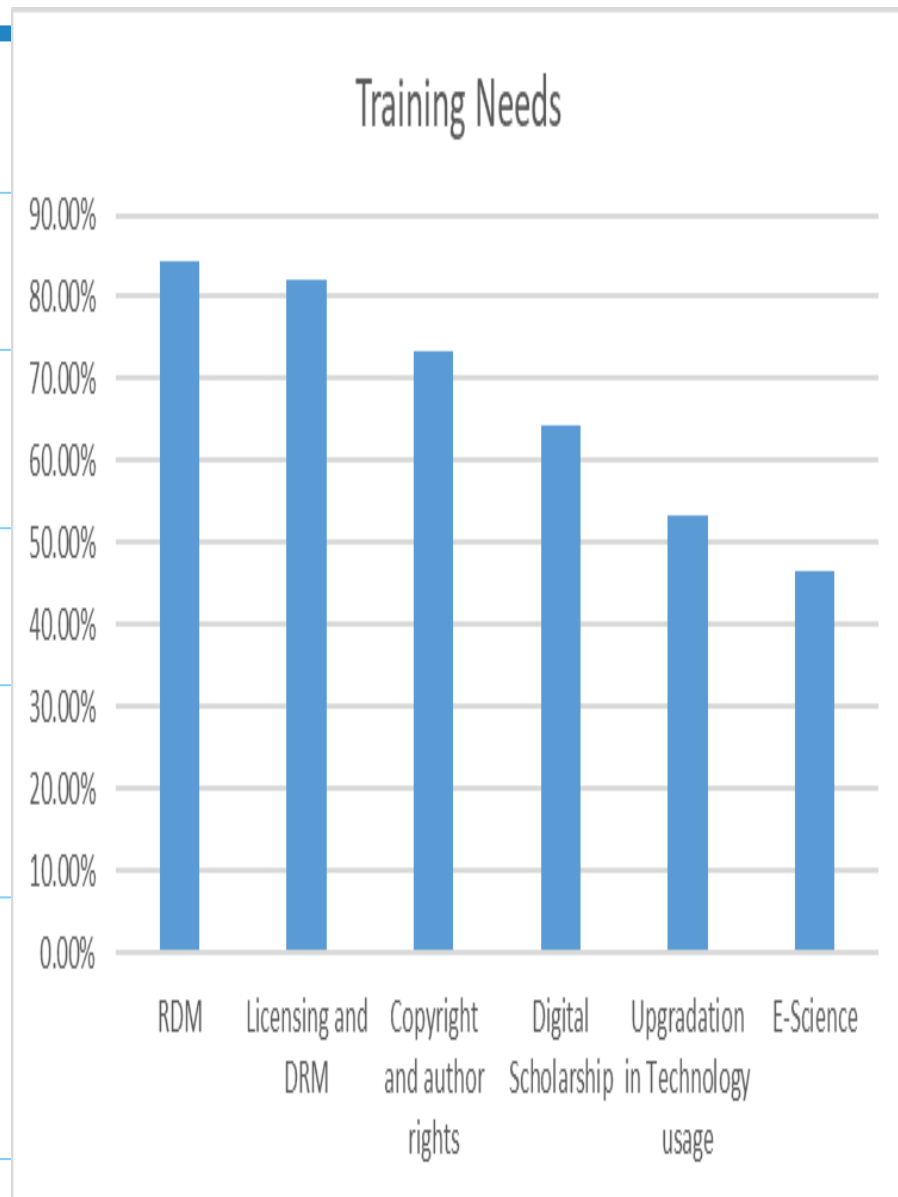
Training Needs of LIS Professionals

RDM

Licensing and DRM

Copyright and author rights

Digital Scholarship

Upgradation in Technology

E-Science

Methods of Skill Development

➢   Majority of the skills were acquired through Self

directed learning

➢   IR Management was the exception.

➢   It was acquired through attending CEPs

➢   Possession of Advance level skills among Librarians

in IR/ETD Management was thus evident.

Reflections

▷ Skills in the areas of RDM, Copyright and author rights, Licensing and DRM, digital scholarship and OA mandates need to be inculcated

▷ Indian LIS associations expected to play leading role

▷ Schools & Departments of LIS -design skill oriented training programmes

▷ HRD UGC centres - Courses for University Librarians

▷ Research on researchers' expectations

▷ Bright and promising picture

Thank You

IFLA WLIC 2018
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