National Digital Library of India

NMEICT
National Mission on Education Through ICT

MHRD
Government of India
Ministry of Human Resource Development

TAKING ADVANTAGE OF DIGITAL INNOVATION

1.7CR+ Content II 200+ Languages II 170+ Sources II 30Lakh+ Users

Session 222: Let's work together: collaborating and partnering to achieve IFLA's vision

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CORE AREAS OF DIGITAL INNOVATION BASED ON LEARNINGS

- **AGGREGATION IN THE WILDERNESS**

- **ENRICHING THE DIGITAL LIBRARY WITH OPEN-ACCESS SURROGATE RESOURCES**
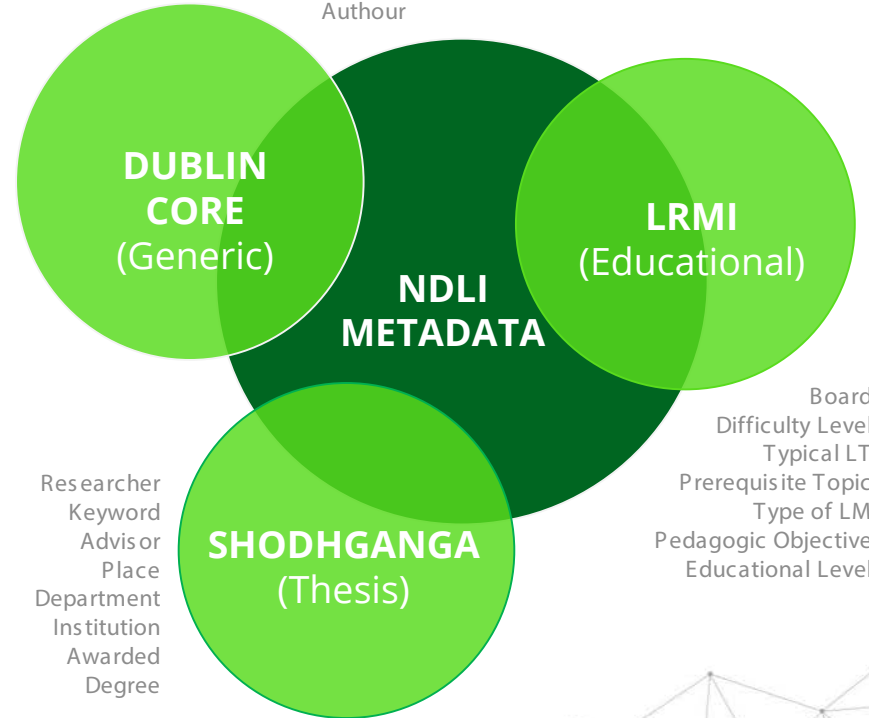
- **IMPACT ASSESSMENT**
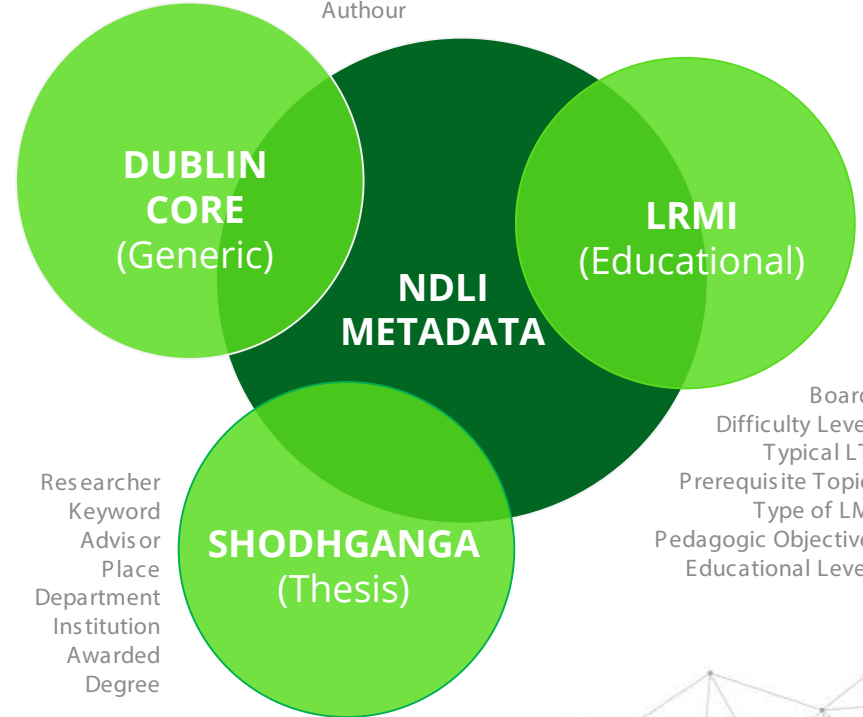
AGGREGATION IN THE WILDERNESS

AGRREGATION ISSUES:

1 DIVERSE METADATA SCHEMA

2 DIVERGENT METADATA FORMATS

3 POOR METADATA QUALITY

4 AUTOMATION FOR SCALE

5 EMBARGO FROM SOURCES

6 CHALLENGES WITH RIGHTS

Type
Title
Subject
Language
Description
Date
Authour

DUBLIN CORE (Generic)

LRMI (Educational)

NDLI METADATA

SHODHGANGA (Thesis)

Researcher
Keyword
Advisor
Place
Department
Institution
Awarded
Degree

Board
Difficulty Level
Typical LT
Prerequisite Topic
Type of LM
Pedagogic Objective
Educational Level

METADATA ENVELOPE
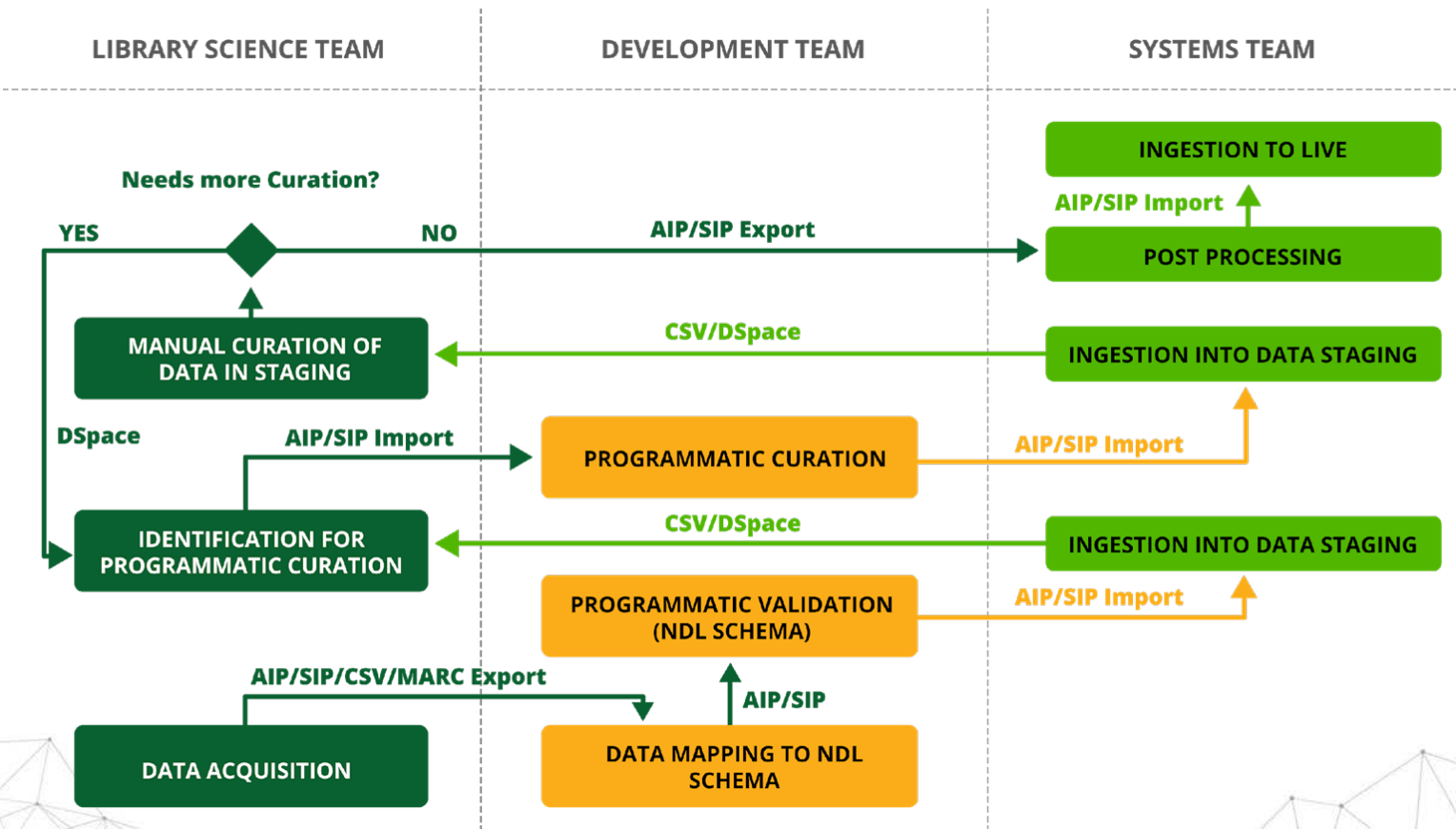
INITIATIVES:

METADATA ENRICHMENT

- AUTOMATED METADATA EXTRACTION TOOL
- METADATA ENRICHMENT WITH LINKED DATA SOURCES
- CROWDSOURING FRAMEWORK (NDLI CLUBS)
  - *– GREAT LEARNINGS FROM EUROPEANA*

NATIONAL LEVEL POLICY ON IP RIGHTS

- ENHANCING AWARENESS THROUGH NATIONAL WORKSHOPS
- INTERFACING WITH THE GOVERNMENT TO RESOLVE AMBIGUITIES IN THE INDIAN COPYRIGHT LAWS WRT TO "FAIR DEALINGS"
- DEVELOPING A MANUAL OF "COPYRIGHT BEST PRACTICES" – A FIRST FOR INDIA

TRAINING AND REPOSITORY SERVICE

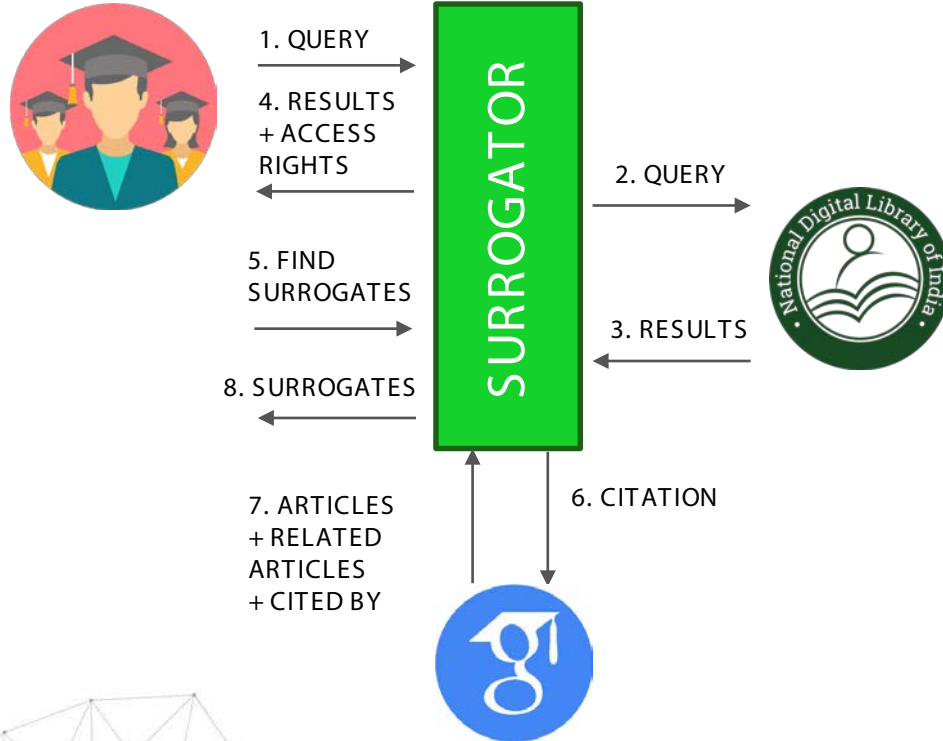- OUTREACH PROGRAMS
- REPOSITORY SERVICE
- NDLI REGIONAL CENTRES

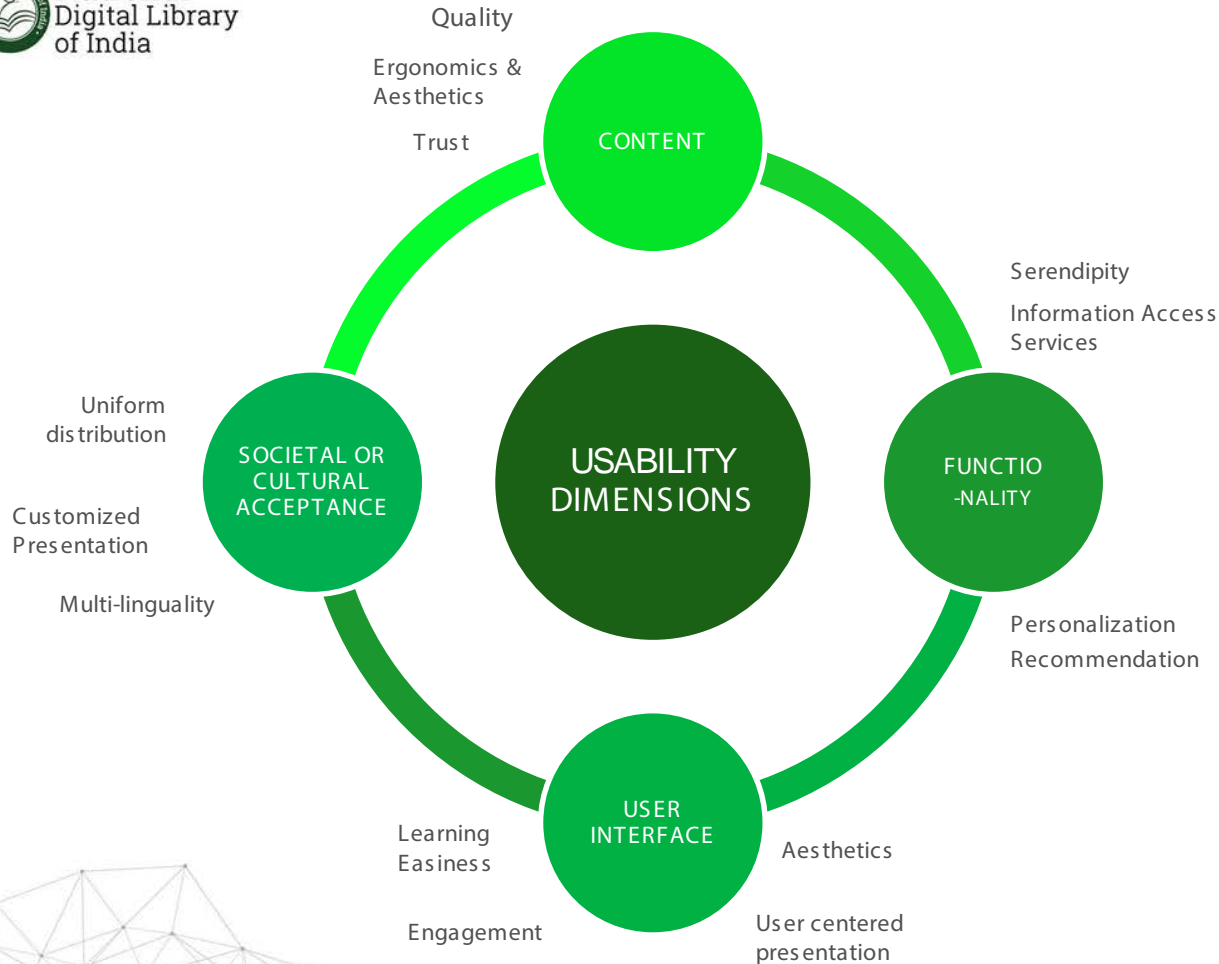**ENRICHING THE DIGITAL LIBRARY WITH OPEN ACCESS SURROGATE RESOURCES**

SURROGATOR

- Makes available pre-print copies of academic resources that are otherwise unavailable to learners

- A customizable application that can identify surrogates for access-restricted publications in digital libraries

- Surrogator can make a case for the evolution of specific subject matters through pre-print indexing and open up a whole new realm of research

- Application is being tested through NDLI, can easily be extended to other digital libraries

T Y S S Santosh, D K Sanyal, P K Bhowmick, P P Das, **Surrogator: A Tool to Enrich a Digital Library with Open Access Surrogate Resources**, May 2018 JCDL '18: Proceedings of the 18th ACM/IEEE on Joint Conference on Digital Libraries

ANALYTICS AND IMPACT ASSESSMENT

USABILITY DIMENSIONS

CONTENT
- Quality
- Ergonomics & Aesthetics
- Trust

FUNCTIO-NALITY
- Serendipity
- Information Access Services
- Personalization Recommendation

USER INTERFACE
- Learning Easiness
- Engagement
- Aesthetics
- User centered presentation

SOCIETAL OR CULTURAL ACCEPTANCE
- Uniform distribution
- Customized Presentation
- Multi-linguality

IMPACT STUDY:

Very difficult to quantify impact directly

- INDIRECT METHODS:
  - Social signals
  - Interaction Signals
  - Activity Signals
- SERVICE EVALUATION
- USABILITY EVALUATION
- INFORMATION RETRIEVAL EVALUATION
- COGNITIVE EVALUATION

IN SUMMARY:

AS A DIGITAL LIBRARY OUR CORE TECHNOLOGY FOCUS HAS BEEN METADATA
Based on our own learnings as well as international engagements, we are constantly developing and innovating on our metadata frameworks across curation, aggregation as well as dissemination

EFFECTIVE IMPACT ASSESSMENT IS AT THE FOREFRONT OF OUR ACTIVITIES
The true success of a library lies with its users. It is hence our effort to constantly innovate around our users and their needs to ensure that all learners using NDLI can learn, share and grow.

THE SURROGATOR IS BEING DEVELOPED AS A DISRUPTIVE TOOL TO AID OPEN ACCESS
We have had some significant learnings on copyrights and Intellectual Property along our journey – the key focus always being to make quality information more accessible to learners, the Surrogator holds some exciting possibilities

Together, let us

#LearnShareGrow

 @NDLIndia

Use your e-mail address to sign up at: https://ndl.iitkgp.ac.in / www.ndli.gov.in