KOREA UNIVERSITY
LIBRARY

How Korea University Library Gets More by Keeping
Less Inside and Sharing Its Resources with Others
: Focused on SICS (Scholarly Information Curation Service)
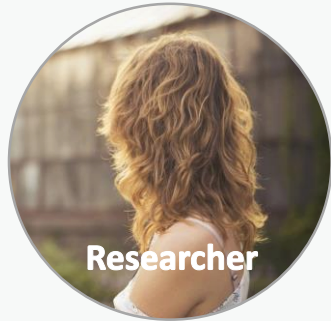
Young Ki Kim
Korea University Library

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How Korea University Library Gets More by Keeping Less Inside and Sharing Its Resources with Others
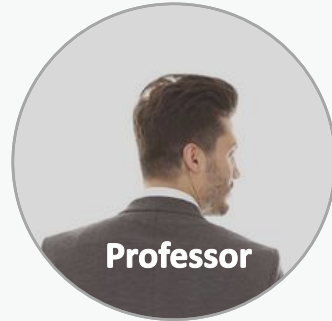: Focused on SICS
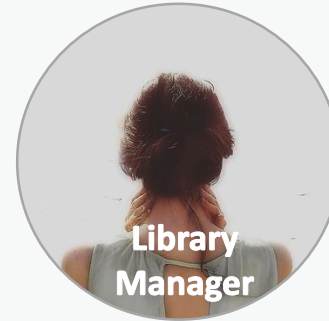
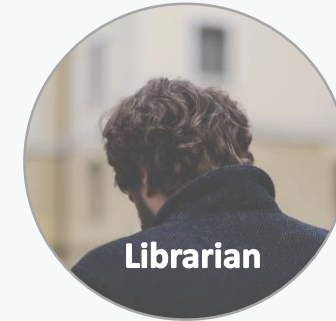# Background: Researchers' Needs & Librarians' Needs

Researcher

"I rarely go to libraries. Online resources are more important."
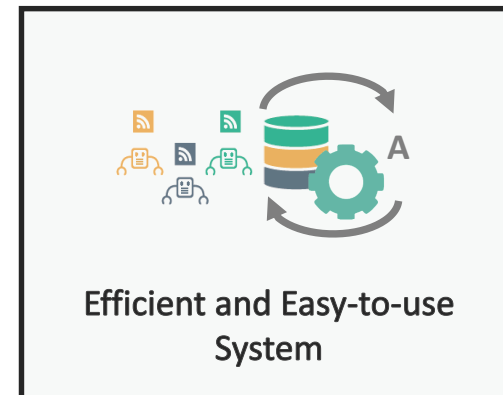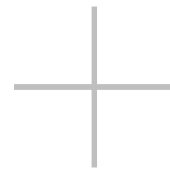
Professor

"It is time-consuming for me to search the electronic resources"

Library Manager

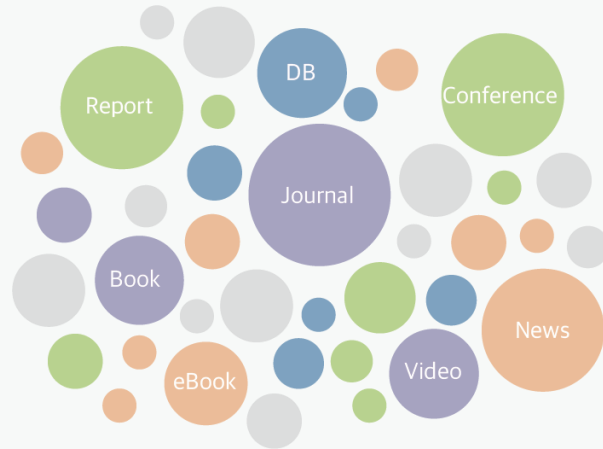"We're interested. But we just can't afford employing new system."

Librarian

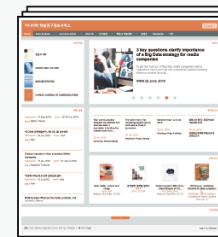"I'm already too busy. Do I need to update information online everyday?"

Online Research Information Curation Service

+

Efficient and Easy-to-use System

Introduction to SICS: Scholarly Information Curation Service

Subject Research Guides

Home	Book & eBook	Journal & Article	News & Report
Call for Paper	Video	Web DB	Newsletter

- **Provide online research guides for each major/department**
  - Offer subject-specific updates on recent scholarly & research information
  - Enable convenient access to subject-specific databases and other information sources
- **Automate processes and provide easy-to-use interfaces**
  - Automate collecting/formatting/representing information
  - Let librarians focus on information and service quality

SICS: The Differences

Existing Subject Guides

→

SICS: Advanced & Automated System

Lack of platform functions

Text-only Contents

- Lack of content diversity
- Lack of platform functions
- Limited access to non-library resources

Timeliness & Continuity Issues

- Labor-intensive monitoring – Low work efficiency
- Difficulty in maintaining sustainable management

SICS Platform

Information Source Management	Information Collection Setup	Information Collection	Data Management (Database)
Editing and Curation	Information Transport (API)	UI and Theme Setting	Web Publishing

SICS: Overall Process

Librarian

| Information Source Research | Information Source Registration | Information Selection/Editing/Approval | Error Check and Correction |
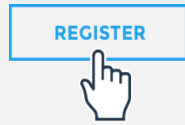
System

Information Source Management Tool → Information Collection Setup → Information Collection Scheduling → Automated Information Collection → Information Processing and Management → Information Editing Tools → Data Presentation on Online Subject Guides → System Monitoring and Error Detection

SICS: Service Details

- Home
  - General information on academic journals, related headlines, upcoming conferences, etc. in a neat bento-style layout

SICS: Service Details

- **Book & eBook**
  - Information on library holdings and new arrivals related to the field of study
  - Updates on domestic and international releases

SICS: Service Details

- ## Journal & Article

  – List of articles selected in SCI(E)/SSCI or KCI and classified in Impact Factor's order

SICS: Service Details

- **WebDB**

  - List of relevant Web Databases with descriptions and user guides

SICS: Service Details

- **News & Report**

  - Display headline issues related to field of study

  - Information on recent research reports

SICS: Service Details

- ## Call for Papers

  - Call for Papers & Conference announcements and information on upcoming academic events

SICS: Service Details

- OCW
  - Video clips of OpenCourseWare and other course materials

SICS: Service Details

- Newsletter
  - Monthly newsletters on various scholarly information

SICS: Current Status

Computer Science

708 sources
30,795 articles

Law

675 sources
19,109 articles

Media & Communication

580 sources
14,322 articles

Psychology

948 sources
38,282 articles

Economics

881 sources
28,343 articles

Education

878 sources
26,796 articles

Linguistics

470 sources
15,221 articles

Politics

764 sources
18,117 articles

Public Administration

673 sources
21,085 articles

6,600 sources
207,000 articles

Building SICS Platform

Service

For general users   *For librarians*

| Research Guides (Wordpress) | Newsletter (e-mail) | New Book Release Editor | Journal & Article Editor | Journal RSS Creator | New Journal Editor | New Research Report Editor | Daily Report | Newsletter Editor |

Data Transport

API

return re-formatted RSS · return original RSS

QueryHandler · RssReFormatter · Relay

RssParser

RssLoader · Caching · Data

Data Collection/ Management

| New Book Information System | Journal & Article Information System | Journal RSS Creator System | News/Report Information System | RSS Report System | Newest Journal Information System | Newest Research Report Information System | Newsletter Creator System |

Data   *Each Data Source*   *Library Server*

Data   Data   Data   . . .   Data   Data   Data

Ecosystem and Collaboration
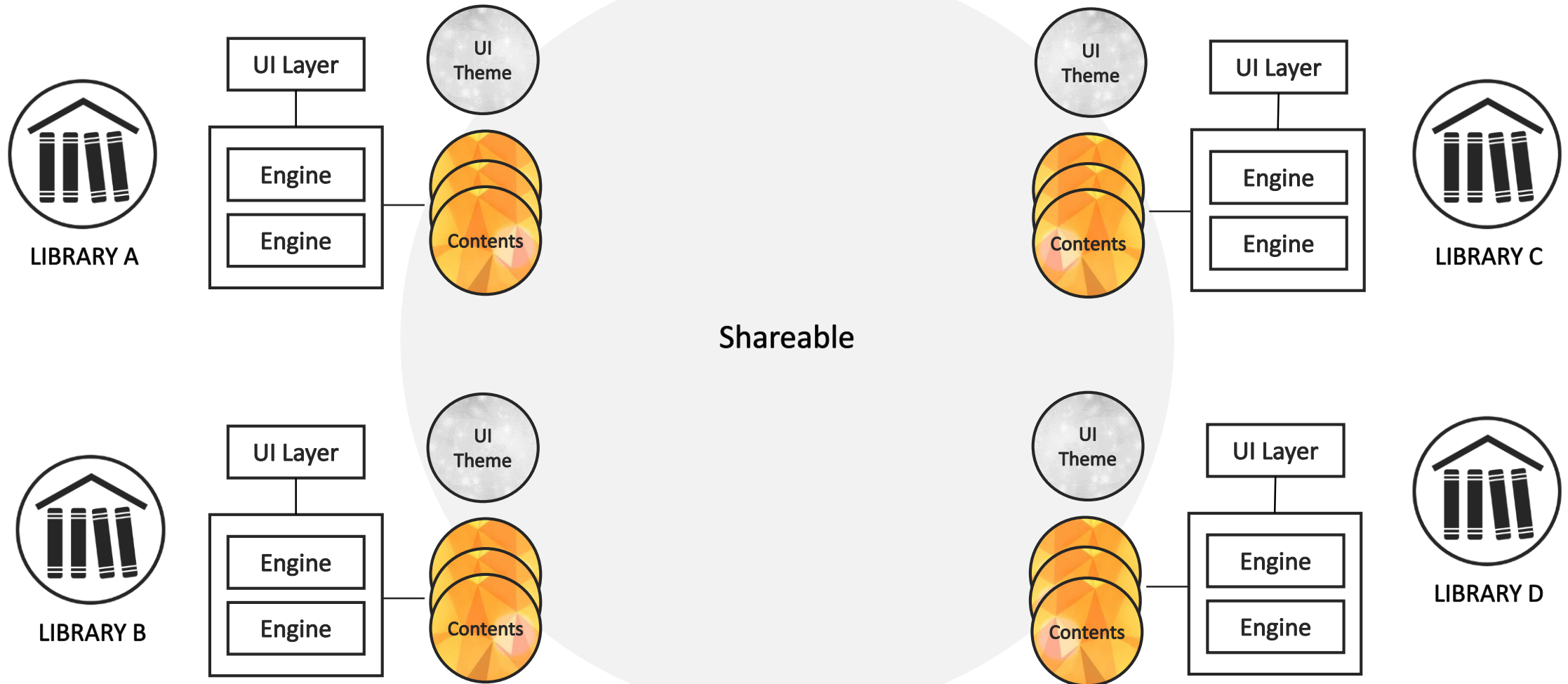
Collaboration Procedure

LIBRARIES

Inquiry →

← Guide

⋮

MOU →

← Instructions & Know-how

System Setup ⋮

← Contents (on *n* subjects)

Service Start

⋮

Content Development

Contents (on *n* subjects) →

Content Expansion

KOREA UNIVERSITY LIBRARY
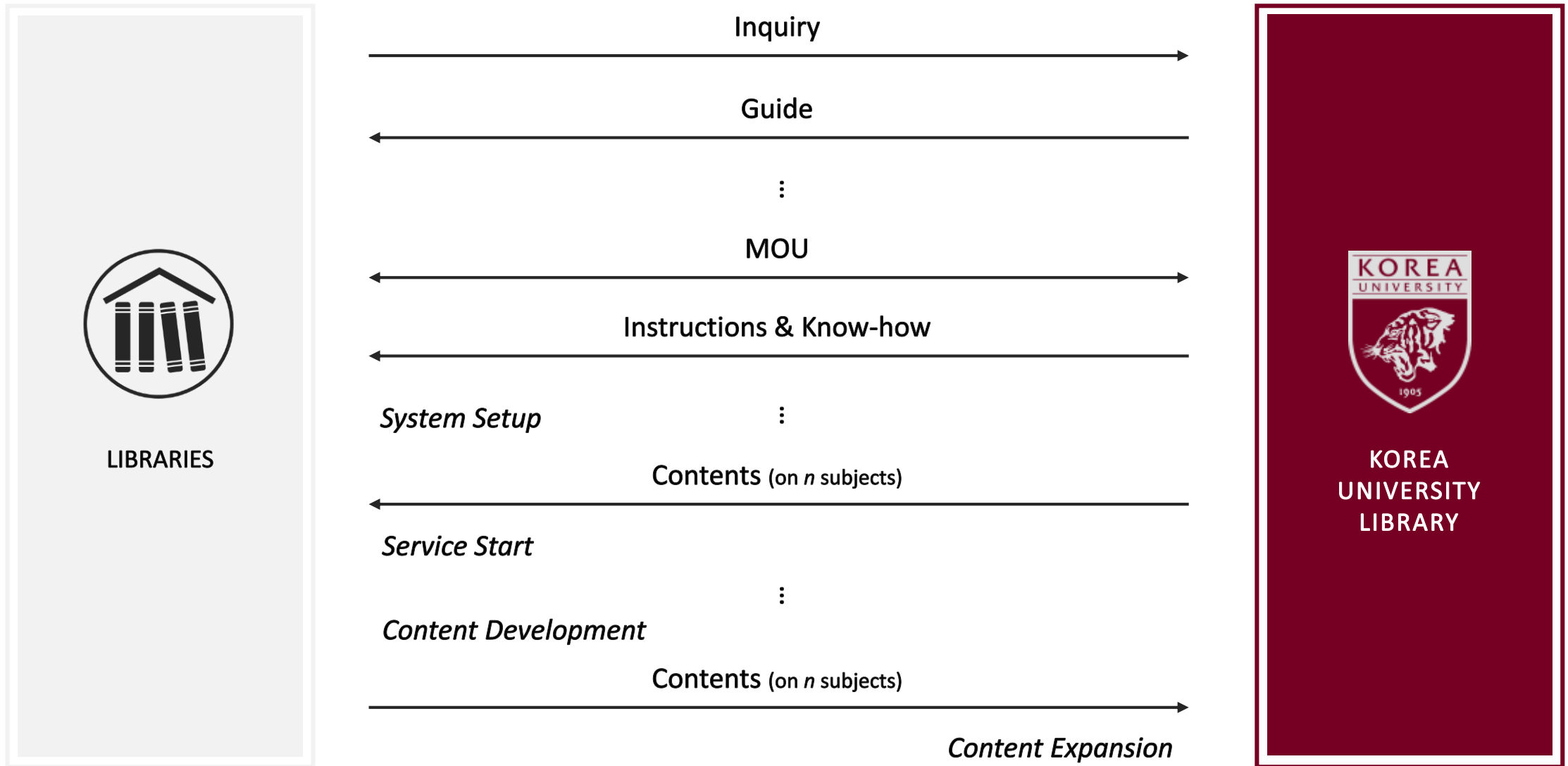
Collaboration Case

- Gangneung-Wonju National University Library

    - 2018.11 Inquiry

    - 2019.01 Confirm

    - 2019.02 System Setup

    - 2019.02 Contents Setup

    - 2019.03 Service Open
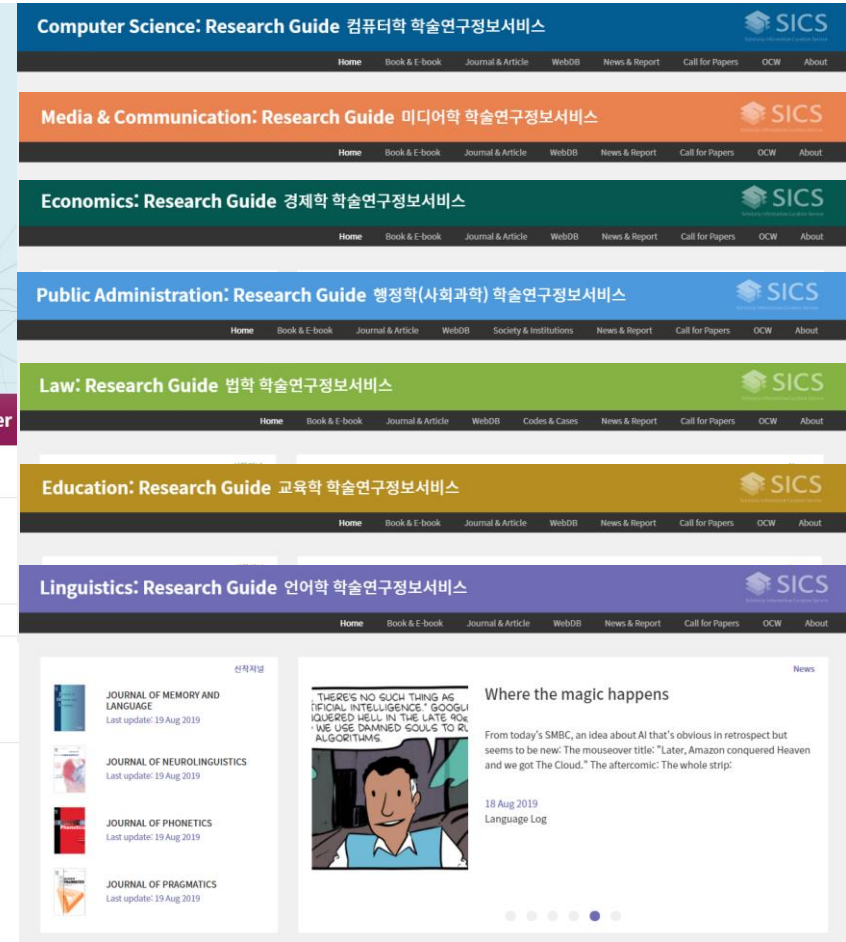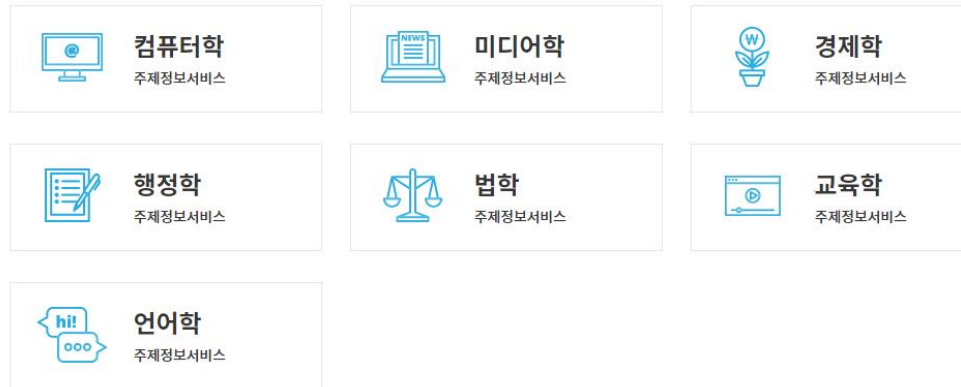
Benefits

- Gets More by Keeping Less Inside and Sharing Its Resources with Others

n * (number of participating libraries) Subjects

LIBRARY #1   LIBRARY #2   LIBRARY #3   LIBRARY #n

Platform Implementation **+** Subject #n

Platform + n Subjects
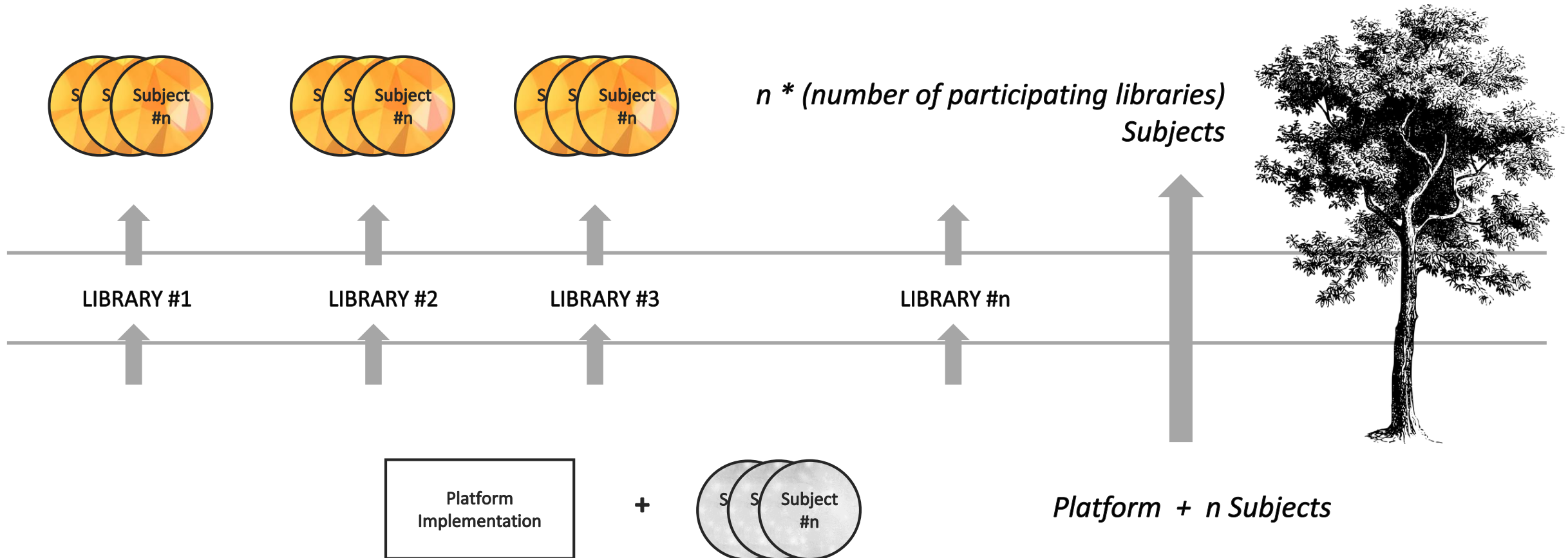
Benefits

- Each and Every Library Benefits

  *n * (number of participating libraries) Subjects*

  Start service immediately using contents have been collected by other universities

UI Theme

Contents

UI Theme

Contents

SICS Community

UI Theme

Contents

UI Theme

Contents

Future Work

More Partnerships and Collaborations Among Libraries and Universities

Technical Cooperation

Content Sharing

System/Service Co-development

Improve Platform and Build Cooperational Foundation

More Expandable Platform
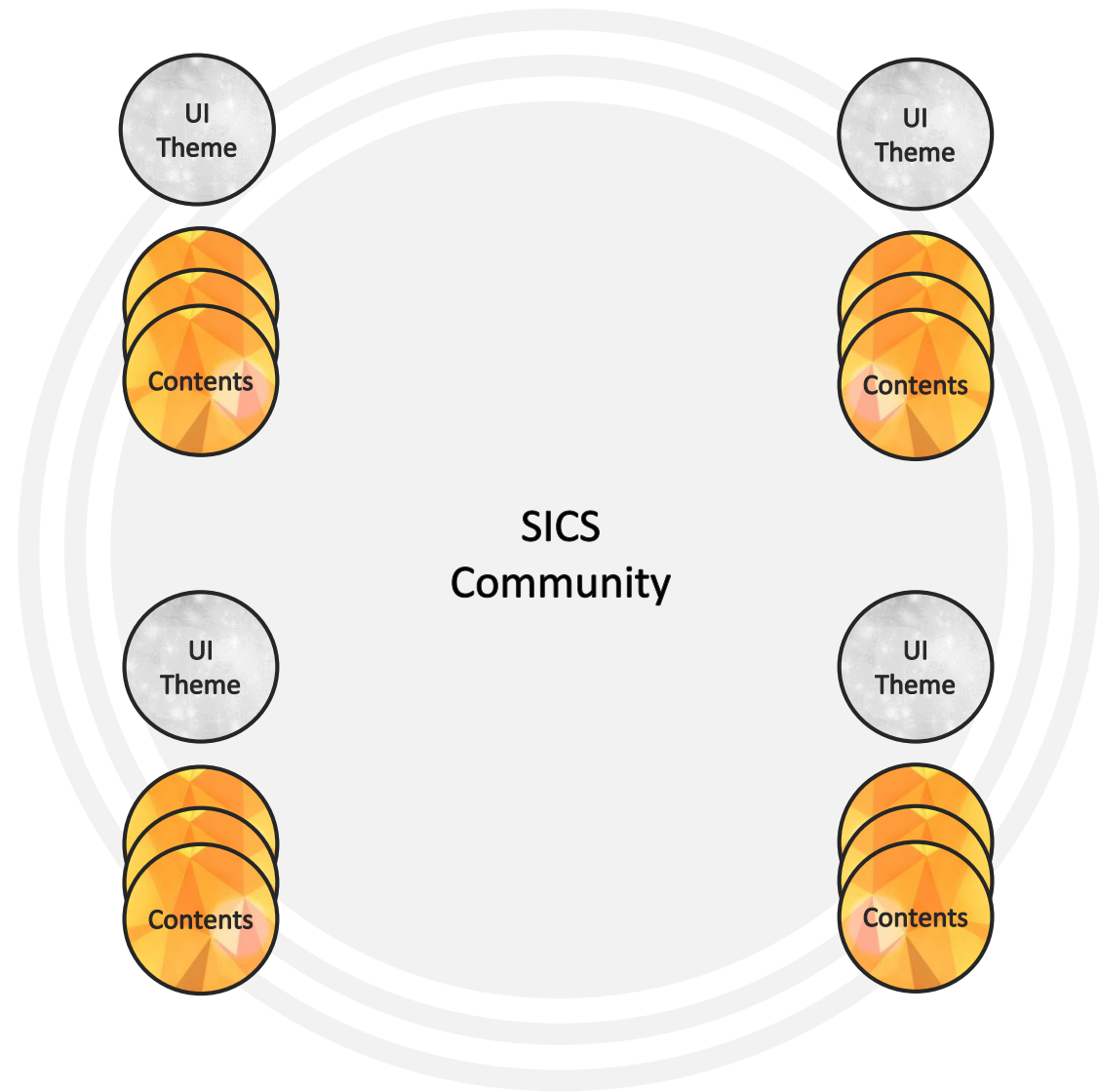
More Customized Services

Better Usability and Efficiency

- ✓ More flexible platform that efficiently delivers research services among institutions

- ✓ Customization for each institution
- ✓ Personalized services for researchers

- ✓ More user-friendly UI/UX
- ✓ More efficient and easy-to-use managing tools

THE END

- Thank You -