Academic Knowledge Factory

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Introduction

Environment of University



Roles of the Academic Libraries

Support for Research and Education

Collection Development

Organization of Information

User Services

Where do we go from here?

Academic Libraries Today

Hybrid Library

Monograph, journal...

Digital Information... Paper

ICT

ICT and Libraries

1968 MARC

198- - Bibliographic Utilities

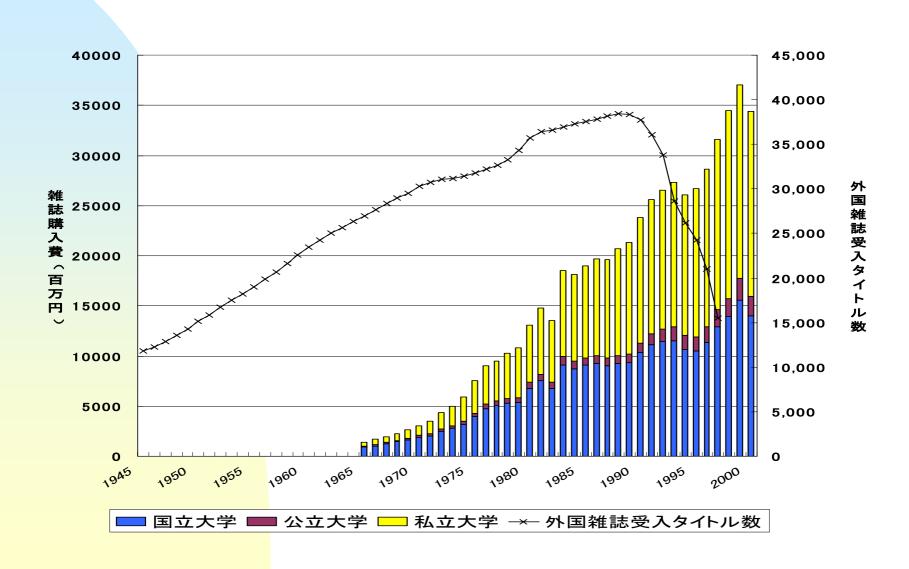
198- - OPAC, ILL

1994 - Internet

1997 - Electronic Journals

Serials crisis and academic libraries

Serials Crisis and Academic Libraries Serials purchase budget and titles



Publish or perish problem

The problem is that

the "publish or perish" culture at the universities induces the scientists to publish

and the number of scientific articles keeps increasing continuously.

and that due to the serials crisis the library is cancelling subscriptions

We suffer the publish or perish syndrome

Advantage of electronic journals

- 24 / 7 availability
- anywhere on the campus
- more speed in communication
- link with the other scholarly literature and WWW
- easy linking with alerting services

Advantage of electronic journals

- no shelving, no stealing
- no size limitations
- regaining control of publication
- solution to the serials crisis?

Digital Libraries in Japan

1994 proposed policy

Science council

Enhancement and strengthening of Digital Library function in academic libraries (Proposal)

学術審議会

大学図書館における電子図書館的機能の充実・強化について(建議)

平成3年7月29日

Digital Libraries in Japan

- There were several digital libraries in 90s.
- These functions were insufficient.
- Education and research information resources cannot be used effectively.
- Lack of Cooperation with an intramural information related organization

Academic Libraries Tomorrow

Revolution of Scholarly information

Information dissemination function

Scholarly information resources management

The report of the MEXT 3/12/2002

科学技術・学術審議会 研究計画・評価分科会 情報科学技術委員会デジタル研究情報 基盤ワーキング・グループ. 「学術情報の流通基盤の充実について(審議のまとめ)」. 平成14年3月12日.

The Idea of Academic Knowledge Factory and its function

Use of various sources of information

Use of an information technology

Social contribution

What is the AKF?

- Institutional repository
- Hosted on servers at Library
- Managed by a steering committee
- Content via the Departments

Mission

- To support the research & teaching needs of the University
- To support the missions of each department library at Nagoya University
- Collaborate with National Institutes of Informatics
- To be advocates for fairness in copyright, intellectual property, and privacy issues

Purpose

- Reflect the scholarly "fruits" of Nagoya University
- Support the transformation of scholarly communication
- Increase access to scholarly materials
- Perpetuation of scholarly objects
- Search support & harvesting (OAI-PMH)
- Links to other Digital Libraries and Institutional Repositories

Goals

- Test a new model of participation
- Digital Objects
 Articles, theses, learning objects,
 Digital archives
- Implementation of Dublin Core
- Policy development
- Work flow & work load analysis

Futures

Why an Institutional Repository?

The Time is Right for IR

- Many publishers have admitted the right for authors to self-archive on the WWW
- More learning and research objects are now done on the WWW
- Many scholarly activities are being recorded in digital formats

AKF in Relation to Other Resources

- How do we relate to many authors& publishers
- How do we relate to other digital resources
- How do we relate to other Institutional Repositories
- How do these relationships affect policy, content, etc.

Vision

The digital library incorporates the values and traditions of open and free access to information, without boundaries of time or place. Students, researchers and lifelong learners are empowered because access is easy and everything they need is available digitally.

Customers and Partners

We serve Nagoya University students, faculty and staff as our primary customers. Our work may also benefit the lifelong learnes and the people of Tokai Area. Potential partners, with whom we work to contribute to the national digital library, may come from the Nagoya University community, and also local, regional, national and international libraries, museums, archives, associations, societies, corporations, or other types of organizations.

Mission Critical Areas

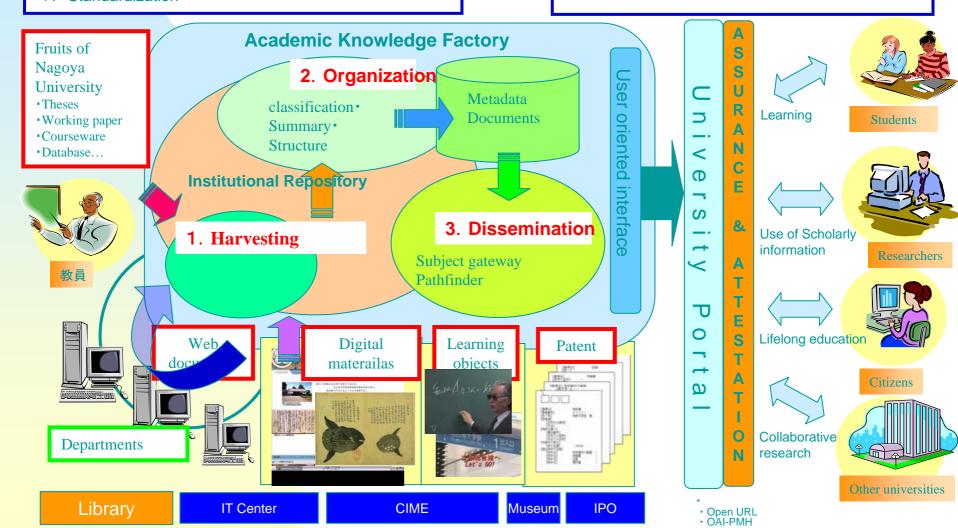
- 1 Defining the "Academic Knowledge Factory"
- 2 Harvesting Digital Contents and Access Tools
- 3: Coordinating and Integrating Access to Digital Resources
- 4 Educating and Advocating for Fairness in Scholarly Communication

Objective

- 1. Institutional repository
- 2. Digital archiving
- 3. Collaborate with society
- 4. Standardization



- 1. Social contribution
- 2. Access to scholarly information
- 3. Resource sharing



The merit by the Academic Knowledge Factory

The present problem

Education and research information resources cannot be used effectively.

Philanthropy is inadequate.

"the substantial circulation base of scientific information" (conclusion of deliberations) -- the correspondence to March, Heisei 14

Expansion of an attached library advanced function

Cooperation with an intramural information related organization

Cooperation on the national level to an information society

The effect by the collaboration systems configuration

Contents are strategically offered.

The contents currently distributed by the portal function and exact metadata grant are used in integration.

Offers contents and social contribution. Furthermore, by flowing back of the information from society, it contributes to development of much more learning field.

Planning and employment of information ethics regulation

Now, Nagoya University library holds national top level in electronic journal. This is advanced further and much more advancement of a library function is attained.

Nagoya University Library Studies carries out development integration of the system function.

The collaboration system strengthens cooperation relationship with other libraries.

Thank you!

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