The Design Plan for the Nagoya University Information Collaboration System

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Abstract
The role of a university library is asked for the capability of information dispatch. At a Nagoya University Library Studies, the information resources in connection with educational research etc. are utilized, and the system which carries out information dispatch of the metadata creation and contents is built. As target contents, “the Takagi family documents” was chosen first. These documents are known as of Kiso 3 river valley river improvement historical records, such as "Houreki river improvement." After performing the metadata grant to this data, and digital archiving, public presentation is planned as an interactive collaborative system.

1. Introduction
Nowadays, information plays much more important role in the education and research. The need for changes and improvements in the quality of education and research has become apparent in the higher education. Clearly, future technology will present a special challenge and opportunity for research and development work in the universities. A library will be a key agent in enabling people to prosper in the information society - helping them to acquire new skills, use scholarly information creatively, and improve the quality of their lives.
In the face of this changing environment, Nagoya University reaffirms its commitment to create and foster a new library and information environment. To achieve much more contribution to a community through integrated and interdisciplinary education and research activities, the strengthening of research base is taken into consideration. The correspondence to the increasing digital information resources and user's information seeking behavior is required for academic university libraries. Moreover, the function of information dispatch is essential for the academic libraries. At Nagoya University Library Studies, the information resources in connection with the education and research of Nagoya University which carries out production possession are utilized, and the system which carries out information dispatch of the metadata creation and contents is built. A feedback function is given to this system and it
considers as inter-regional association, philanthropy, and the collaboration system that plans industry-university co-operation.

2. Takagi family documents
As for contents, “Takagi family documents” which attains to 80,000 documents was chosen first. The Takagi family performed The Kiso 3 rivers management during Edo period. They left a lot of related documents.
FIGURE 1: One of the pictorial maps of the Kiso 3 Rivers (19th century)

The features of documents

(1) Systematic river improvement archives
This documents group begins "Hourou river improvement (1754-55)", and is known as the so-called treasury of the Kiso 3 Rivers improvement historical records. FIGURE 1 is one of the pictorial maps. In the map, ①②③ show the points for which construction were difficult in Hourouki river improvement.

(2) Details of territory administration
Since there were several thousands residents, administration government was performed finely.
Example: Sumi-iro-shirabe (1860) The following was said as customs of those days. People Writing is a picture showing their heart. The idea about "character" and its political use.

(3) Many home economics documents
A life of those days and the special feature of power rise from many documents of a financial relation, the headship of the family, a diary, ceremonies, etc. There were many women's letters left behind.

(4) Many modern documents
The Takagi family also survived the Meiji era as a member of the House of Representatives. How did the direct vassal of a shogun overcome the Meiji Restoration? And the actual condition of Meiji modern local government etc. Ssdamasa Takagi (1851-1920)

3. Practical use of the Takagi family documents
Takagi Family documents have history value which is as History information world, Nature, history, culture, technology and folk customs became entangled. Also reconsideration of "the related history of nature and human being". The documents share a lot of facets of information resources. It was based not only between different fields but also local information. The collaboration possibility of people’s participation in municipal affairs

4. The design of system
Title, creator etc. is described according to Dublin Core format to each
While performing the metadata grant to this document, the system of digital archiving and interoperating collaboration systems are prepared.

FIGURE 2: The registration screen of the system which described by Dublin Core

5. Future research
The following four points are mentioned as a future research. (1) It is selection of sources of information first. It is necessary to choose sources of information utilizable in addition to the "Takagi family documents" which has opted for the present adoption from whole Nagoya University. (2) Construction of feedback system which can be equal to practical use. (3) Standardization of a technical term. Thesaurus of the technical term which should be satisfied does not exist in the target "Takagi family documents." This problem is not avoided if the information dispatch towards overseas is considered at all. (4) Considering making it circulates internationally, it is an important problem how ISAD (G) 2) is adopted.

References