

和文タイトル：名古屋大学学術情報コラボレーションシステム構想

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## 概要

大学を取り巻く環境が急激に変化している。教育研究活動を通じて、地域社会や人類社会に対していっそうの貢献を果たすためには、その活動基盤の強化が必要である。大学図書館は増加するデジタル情報源，利用者の情報利用行動の変化への対応が求められている。また新しい大学図書館の役割として情報発信機能が重視されている。名古屋大学附属図書館研究開発室では，名古屋大学の生産所有する教育研究等に関わる情報資源を活用し，そのメタデータ作成及びコンテンツを情報発信するシステムを構築する。このシステムにはフィードバック機能を持たせ，地域連携，社会貢献，産学協同を図るコラボレーションシステムとするものである。対象コンテンツとしてはまず，総点数8万点に及ぶ「高木家文書」を選択した。この古文書群は「宝暦治水」をはじめ，木曾川長良川揖斐川のいわゆる木曾三川流域治水史料の宝庫として知られているものである。この資料へのメタデータ付与，デジタル・アーカイヴィングを行った上で，双方向のコラボレーションシステムとして公開を計画している。

Title: 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 document" was chosen first. These documents are known as of Kiso 3 river valley river improvement historical records, such as "Houeki river improvement." After performing the metadata grant to this data, and digital archiving, public presentation is planned as an interactive collaborative system.

## 1. Introduction

Today, information plays much more important role in the research and education. 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. Rapid changes in technology have redefined the boundaries of just about every part of the acquisition, storage, description and access points in the information delivery chain. For libraries, the World Wide Web represents a tremendous opportunity to expand the breadth and reach of library collections and services. Many of the users are increasingly comfortable with seeking and using information on the Web.

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. The Takagi family documents

As for contents, "the Takagi family documents" which attains to 80,000 documents was chosen first. This documents group begins "Houeki river improvement", and is known as the so-called treasury of the Kiso 3 rivers improvement historical records.

Figure 1 is the 'Kiso 3 river valley large pictorial map'. Three s of Takagi family which is the East, West and North, had been ruling over two districts called Toki and Tara Located at the south eastern part of now Gifu Prefecture from 1601 to 1868 as Hatamoto. Hatamoto means bannermen; enfeoffed vassals of the Tokugawa shogun of less than daimyo rank. Whereas most Hatamoto had been obliged to live in Edo (now Tokyo), the heads of Takagi had the privilege to stay in their fiefs and that kept their officer as Hatamoto. They governed the area to the Meiji Restoration in 1868.

The status of Takagi was so called 'Kotaiyoriai', similar status to daimyo, and the official function of which as liege vassals of Shogun had been the flood control of the three large rivers of Kiso, that is, the Rivers of Kiso, Nagara and Ibi; and these services had been taking in turn among three s of the Takagis.

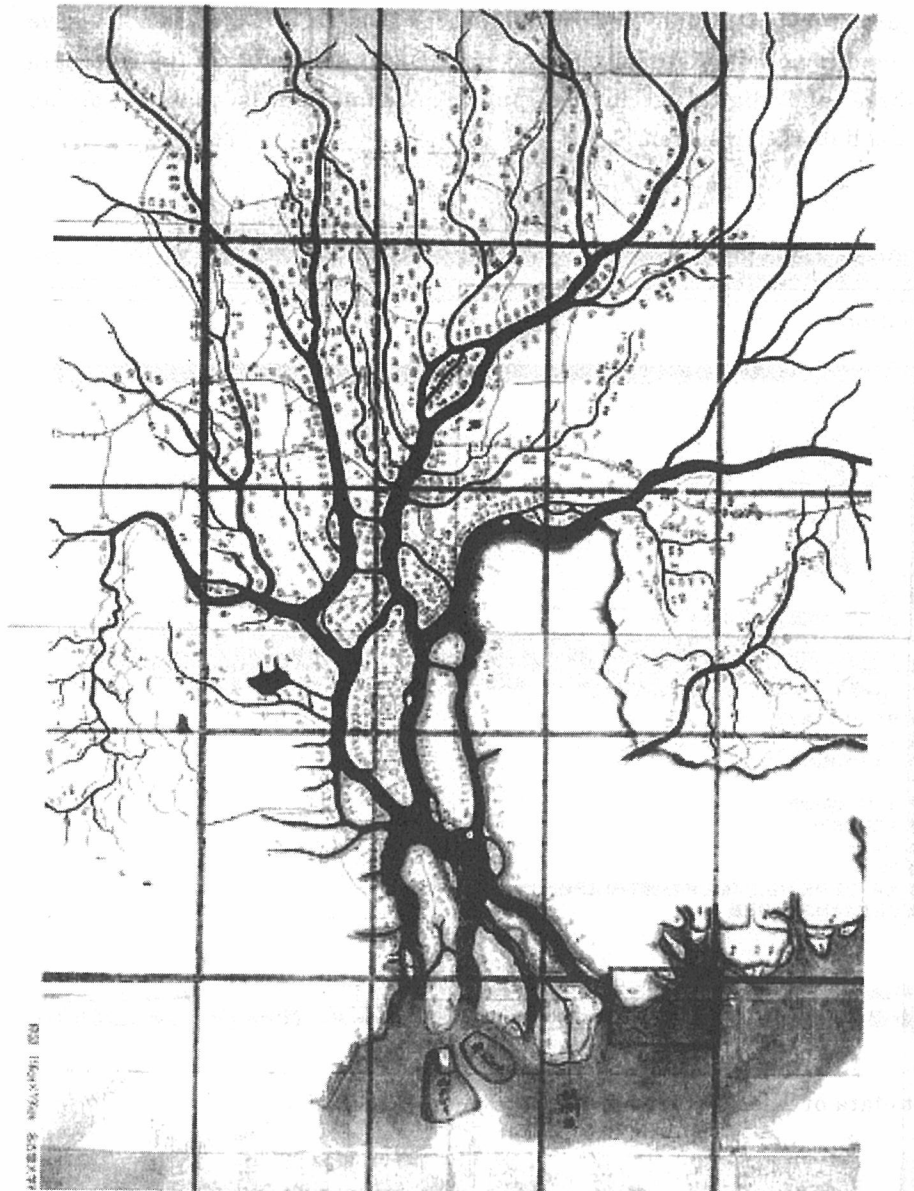


Figure 1. Kiso 3 river valley large pictorial map

These documents which cover so wide ranges as to extend to almost every sphere of fields control, flood control, hold management and to whatever have been attracting learned mind for ages.

### 3. The design of system

We have made a system of collaboration work of digital archiving and metadata database. Figure 2 is the sample data of metadata. Dublin Core Metadata Initiative (DCMI) is adopted a metadata schema for this system. While mounting the metadata to this database and digital archiving, public presentation is planned as an interoperating collaboration system.

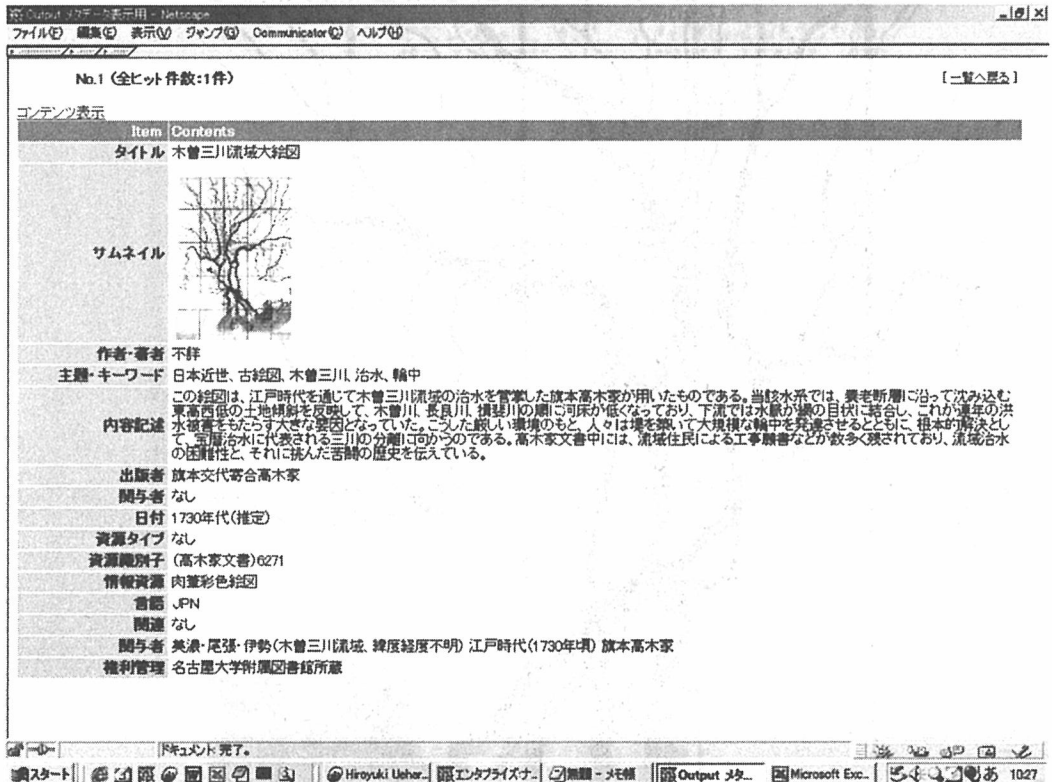


Figure 2. metadata of 'Kiso 3 river valley large pictorial map.'

### Bibliography

DCMI Bibliography. <http://dublincore.org/resources/bibliography/>