

important in searching for subject information, and built two prototype systems.

We aim to improve the access to the books or journals in university libraries and manuscripts of Japanese classical literature in research institutions.

Before **INDEX INDEX** 

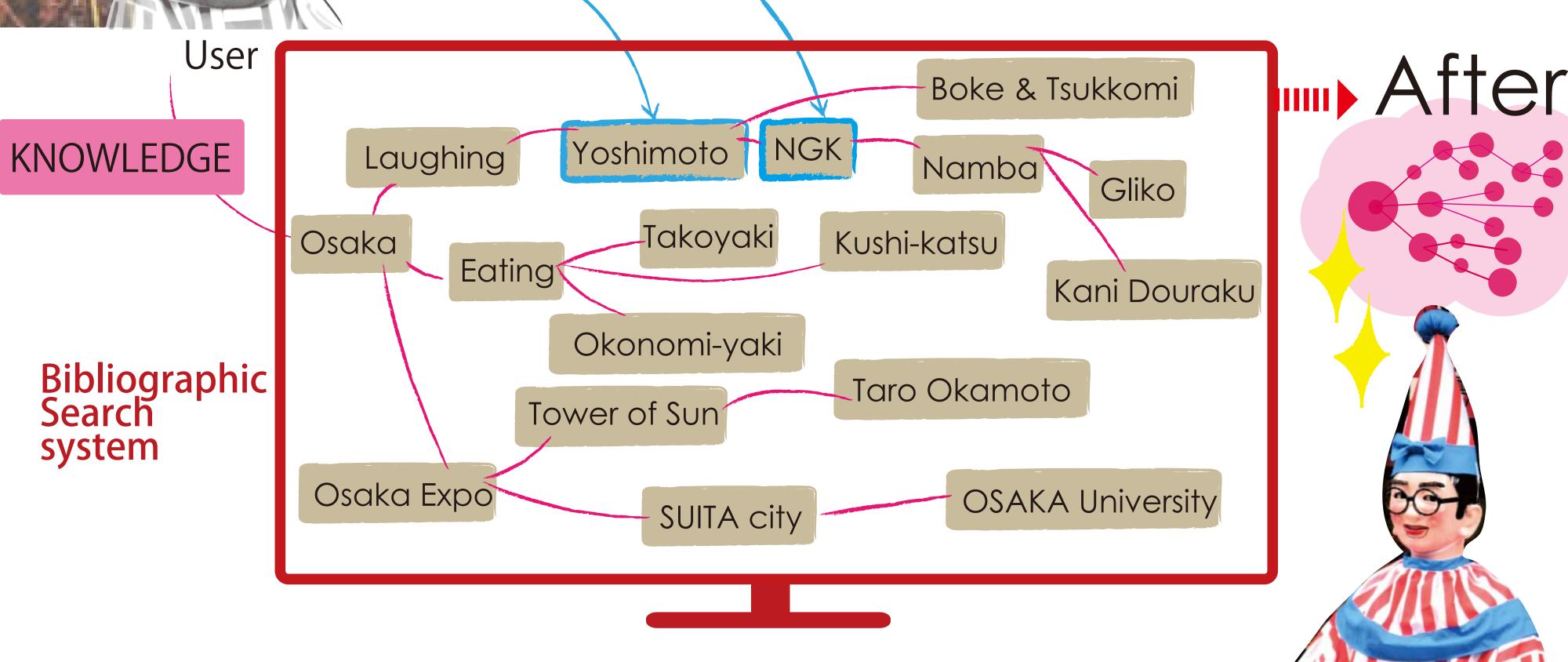
I want to know about Osaka.

Search

system

METHODOLOGY

We focus on the user's knowledge structure to satisfy information requests more efficiently. We do not use the natural language processing approach. The reason is that the natural language processing is based on processing the terms in literature statistically, and does not consider users' knowledge. However, the act of bibliographic search is a process that satisfies the user's information request, and it is apparent that it has an intimate relationship with the user's knowledge structure.



## PROTOTYPE SYSTEM

This research proposes a bibliographic search method with a focus on the change in the user's knowledge structure.

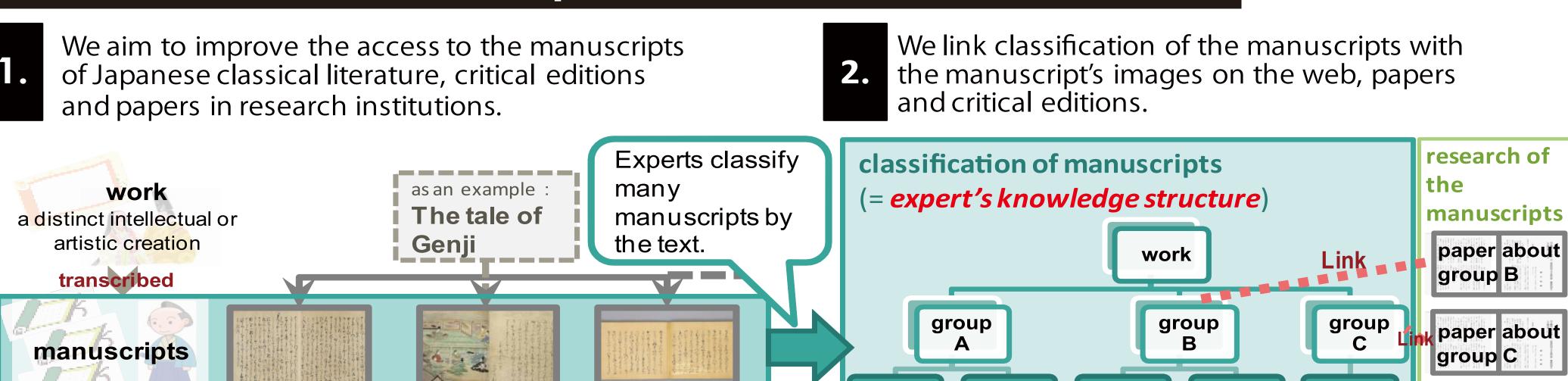
The basic idea of this method is as follows: It is namely an idea that change occurs to the user's knowledge structure before and after a bibliographic search and what affects the change is the information the system presents.

And the state of a successful bibliographic search is defined as the state where the user's knowledge structure and the knowledge system contained in the search results are consistent.

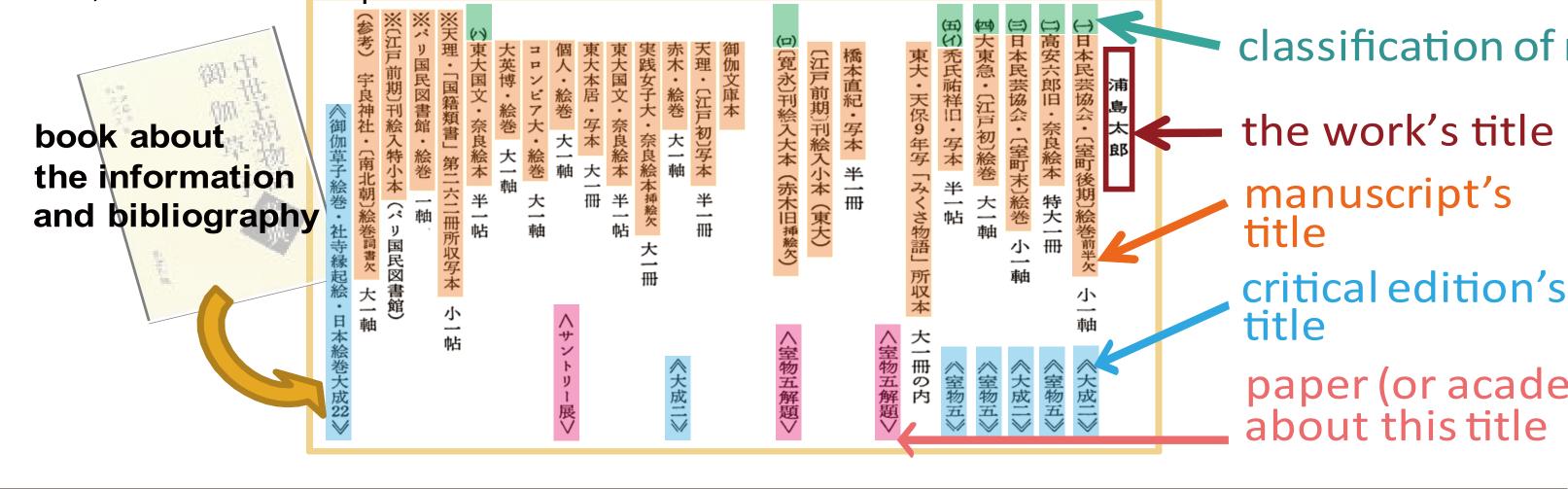
The first system brings the user's knowledge structure close to an expert's knowledge structure by using the knowledge system on which consensus is reached to some extent among experts.

The second system changes the user's knowledge structure according to the classification system by using the library classification for the information the system presents and projecting the set of the search results onto the classification system.

## Access to the manuscripts in research instructions



Currently, many experts (researchers of Japanese We have just started to study the literature) pack information about classification of possibility of using TEI to mark up manuscripts and the bibliography into a book. the bibliography. So, we must markup the text.



## classification of manuscripts

manu-

manuscript 5

paper about

manuscript 5

critical edition

of manuscript

critical edition's

manu-

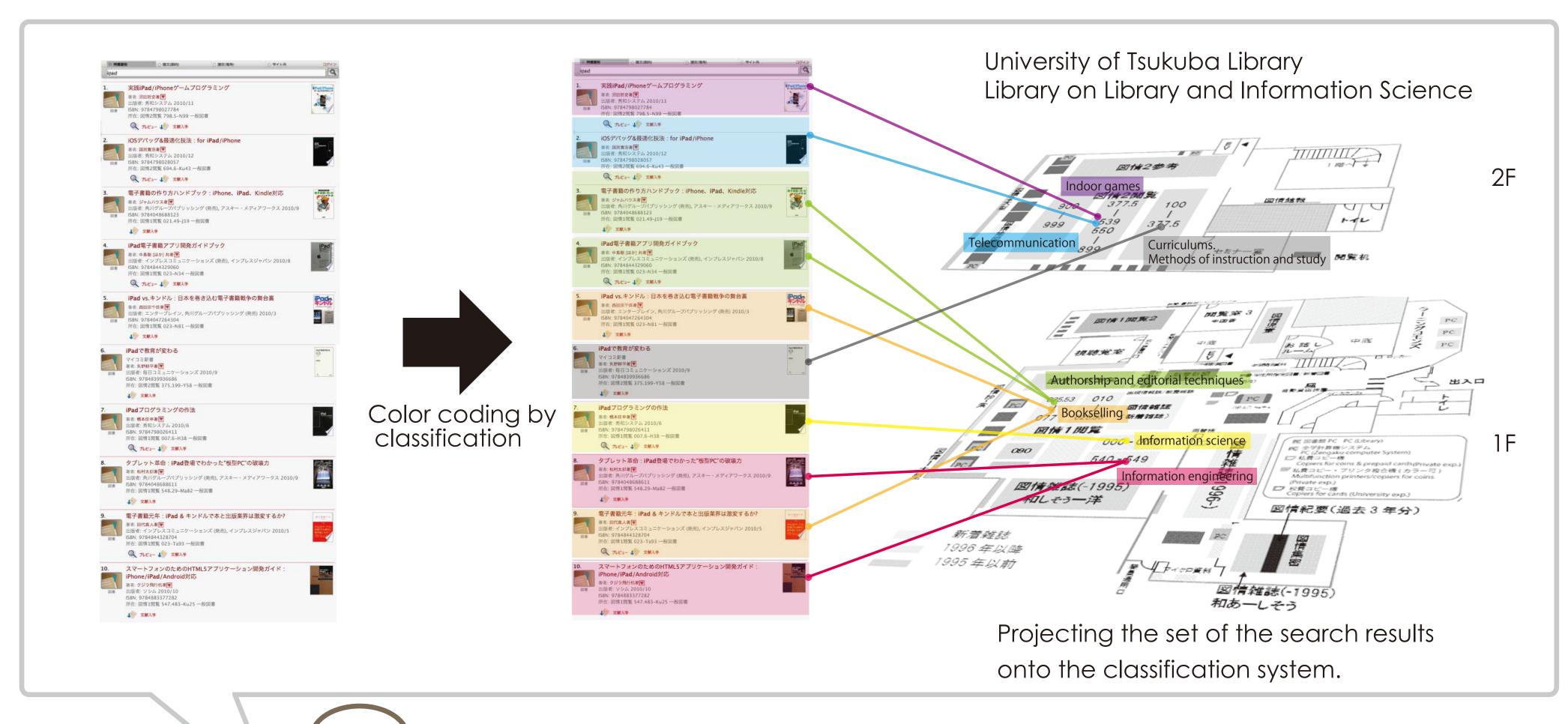
script 1 script 2 script 3 script 4 script 5

manuscript 3

manuscript's images on the web

paper (or academic book)

## Access to the books or journals in university libraries





library, so you can find

each different subjects.

a group of literatures on

critique

critical editions

papers

This is an example of a screen appeard as the searching result using" iPad" as a query. By looking at the screen ,the user easily understands athat the result includes various subjects like "Bookselling" ," Information science", "Information engineering" and so on.

