Proposition of Information Sharing System between the Citizens and River Management Administration

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1. Introduction

Now that there are more significance is being placed in the cooperation with the citizens and the river administration, such as making use of citizens' knowledge in various field, careful handling based on the local situation, developing the inhabitants' consciousness on the river and outlying area (recognition of the significance of the river as region-specific public property), respective area has a series of ongoing cooperation in the environment management, environment research and so on.

However, as problem in such cooperation is also pointed out, one of the proposed solutions is the need for the information sharing. In this research, we are proceeding on the development of the Information sharing system through the Internet to comprehend the actual state and problem in information sharing on the river environment among the citizens and river management administration and realize the means to share information easier.

2. Situation of the information transmission and information needed by citizens

After having implemented the round-table talk and survey by query among the civic associations, the results were as the following;

- Various means (such as websites, mail, bulletin, phone call, workshop, etc.) are used to send and collect the information from various entities such as the river management administration, other civic associations, association members and so on. Further more, such means are selected one by one to be appropriate for the objective and occasion.
- River management Web is posting little information needed by the civic association (e.g. a river environment conservation a group who wants to have detailed information on maintenance and management such as the river repair, grass mowing, etc.) Or, it's difficult to know the location of information.
- It needs to have a general web page of the river, for people interested in the river can easily use.

3. Development of the river environment information sharing system

The system design has been aimed at easy accessibility, objective and general information on river environment possessed by the administrative agency such that making it easier to gain access to the information needed by the person interested in the river. At the stage of design, frequency on hearing about the needs of system functionality and the like from the civic association is the purpose as the main user is being conducted.

【Function and characteristics of the System】

・ Information on the river organisms, water quality and flow that was highly needed by the civic associations, survey results of the MLIT (data) can be sought through the map (WebGIS). Water quality and flow data are also displayed by graph.

・As the function of a window to the required information, the outline of various sites have been introduced on such as sites concerning the river organisms, water quality and flow, the site held by the local river management staff and the site held by the civic association and the like who are active on the river. It is also possible to search through the WebGIS.

Trial operation which is aimed at certain area is being conducted. From now on, research is being done into how to improve the system on keeping cooperation between civic associations through discussion and query survey.

Fig. River Environment Information Sharing System (Top page)