

# Public release of the CommonMP Element Model Library

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## River Department

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### 1. Introduction

The River Department publicly released the CommonMP (Common Modeling Platform for water-material circulation analysis) on its web site<sup>1)</sup> in March 2010. CommonMP is a platform for analysis models which can be run linked to multiple hydraulic and hydrological models (flood routing or inundation models, hereinafter referred to as “element models”) in order to analyze water and material circulation in river basins on a personal computer. This is a report on the recent start of operation of the Element Model Library, which lets anyone register and use element models.

### 2. Operating the Element Model Library

The first version of the platform was released in March 2010, but with insufficient types of element models, the use of the CommonMP was limited. The Element Model Library has been provided so that the NILIM, which developed the CommonMP in order to expand the use of CommonMP and element models, can let as many users as possible use element models. Element models that are registered in this library have been self-checked by element model registration

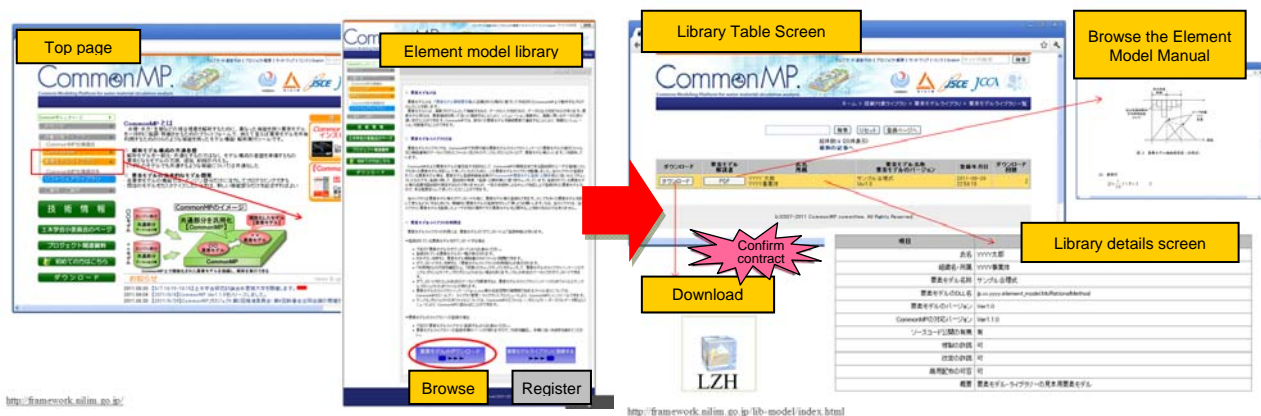
applicants themselves according to the CommonMP element model registration and public release procedures, permitting the unrestricted use of these element models within the range of usage authorization conditions. And users themselves can register element models they have developed in the library.

### 3. Future endeavors

To register an element model, its developer personally performs a self-check. Regarding the check method of registration, members of the CommonMP development and operating consortium<sup>2)</sup> have argued that it is suitable for it to be done by a certification body in order to ensure objectivity. In the future, registration in the element library will be promoted at the same time as certification by a certification organization will be made a reality.

#### [Reference]

- 1) <http://framework.nilim.go.jp>
- 2) <http://framework.nilim.go.jp/news-link/090807.html>



Element Model Library