

Summary of the third Weekly Meeting

Date/Time : 14th July 2009 / 18: 00 Korea time
Media : MSN Messenger Group Talking
Attendance : All members except for Christophe and Patrice

The topics for this meeting is the following:

- Review the last week job
- Introduce and study SWMM model
- Talk about the next week job
- Brainstorming: new suggestions for our team in the future

1. Review the last week job

Tibo had finished DEM job and divided the whole catchment into subcatchments according to DEM and manholes location with ArcGIS Archydro tool. Moreover, Tibo wrote the introduce report about his job and sent it to everyone in Blue team. Victor suggested that the model pipes could not be created by Archydro tool and should be prepared according to Incheon GIS or CAD file of drainage system. Then, Takuya, Naniz, Kim, Tibo and Victor discussed how to simplify the actual sewer networks into model networks. Tibo suggested that he could use attribute selection tool of ArcGIS to simplify networks. Everyone agreed with Tibo.

2. Introduce and study SWMM model

Before the meeting, Victor sent SWMM install package to everyone of Blue team, Kim had tried to use SWMM. Kyung hoon and Victor discussed the difference between SWMM and MOUSE. And Naniz and Tibo talked about hydrology analysis method. Through discussing all the team members understood that they should use the same runoff submodel in SWMM and MOUSE in order to compare with them. Because everyone hasn't used SWMM before, Victor shared his experience of modeling step. Those are:

- 1) Data preparation: manhole, link, subcatchment, rainfall, boundary condition(water lever or flow);
- 2) Data input: input the prepared data into SWMM. There are two methods:
 - a. Inputting data into model manually directly;
 - b. Inputting data into model automatically based on GIS and tool programme.

- 3) Set SWMM's parameters;
- 4) Run simulations under many conditions;
- 5) Analyze the simulation results and find out system flooding causes;
- 6) Give the solutions for flood control.

Moreover, Victor suggested that Chris would introduce MOUSE in next meeting.

3. Talk about the next week job

Next week job is to study on SWMM and MOUSE and to prepare data for Incheon modeling.

4. Brainstorming: new suggestions for our team in the future

Naniz suggested to try web platform meeting instead of using msn. Because two members didn't attend, new meeting communion way would discuss in the next meeting.

Summarized and Written by Victor