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BLUE TEAM 2010

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DAILY REPORT #3

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Introduction

This report is presenting the daily work that the blue team has realized on Monday August 16th

I. Achievements

This part is explaining the work that we have achieved since the last meeting for each sub-team.

A. General

A better team communication and general understanding of the project purpose as well as the team objectives could be seen today. Also a general plan for the following days got set up, which is represented by 5 general steps:

- Data collection
- Test simulation
- Case Simulation
- Measurement implementation and re-simulation
- Conclusion / Output preparation

Besides the final possibility how exactly the reality can be implemented and simplified within MOUSE could be explained by the team.

A. MOUSE sub-team

Finally almost ready to run a full model and to verify the parameters and input data, the MOUSE team provides the group with the ability to apply its measurements for flood prevention. Moreover a MOUSE lecture session was running this evening in order to clarify any remaining problem and open questions. Besides a first simulation were tried and run successful. A important achievement were also that most of the questions related to data input uncertainty could be answered Regarding to this, besides the given mouse input file, precipitation and tide must be given as time series while other information is needed only for visualization purpose.

B. ArcGIS sub-team

Several improvements could be seen regarding to the development of several elevation models. The general DEM have been modified with the building and street layer in order to take their different height into account.

C. Potential solutions sub-team

In order to specify the amount of water which can be stored on the roofs, several GIS layers had to be modified. To use the first measurement (roof – rainwater – harvesting) within MOUSE the own way is to modify the precipitation by the amount of water which can be stored on the roofs regarding to the roof area contribution to the whole water sheet area. Moreover a applied measurement of water storage tanks in the underground will be simulated and evaluated.

D. Rainfall data

A full set of all considered flood event related precipitation could be provided for the project.

II. Objectives

A fully running model must be established by Tuesday evening to be able to simulate the measurements. Also all measurement input data must be ready and easy to implement.

Conclusion

Success still possible

Contacts

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