

# **A SCALABLE SKILLS CERTIFICATION PROGRAM IN GIS**

## **NSF – ATE TEAM MEETING**

**Meeting of February 25, 2008**  
**3:00 pm SDSU, Department of Geography, Conference Room 317A**

### **MINUTES**

#### **ATTENDEES:**

Cindy Tsai            Undergraduate Student - San Diego State University  
Claire Zhu            Graduate Student, Note taker - San Diego State University  
Ming-Hsiang Tsou   Co-PI, Associate Professor, Geog. Dept - San Diego State University  
Ting-Hwan Lee      Graduate Student - San Diego State University

#### **OVERVIEW:**

The purpose of this meeting is to discuss the project progress and update during the last two weeks and arrange the task of the next month.

#### **I. Update of the new version 3.0 modules and the Collaborative Mapping tool**

Claire checked the availability of the websites using in our GIS modules and she was required to concern the updates of these websites regularly. Ting-Hwan presented her idea about the update and maintenance of LM3 and LM3 copy. M. Tsou expressed his opinion of retaining LM3 as the major database and duplicating the 150 records to LM3 copy synchronously. In addition, Ting-Hwan said the new version 3.0 modules have updated online and it performed well.

#### **II. Update of the Patrick Henry High collaboration**

M. Tsou stated that he has just visited the Patrick Henry High School and a contract named "Partner Collaboration Agreement" is in the process of signature. This collaboration has got much attention from the department, and once it was accomplished, teachers from Patrick Henry High would take a two-hour per week internship in our department and one of the Graduate assistants would instruct them as part of the GA job.

#### **III. California Content Standards for each module**

Reviewing the California content standards for modules from the website of California state board of education, Claire and Cindy selected and reported three of them: history-social science, mathematics, and science. M. Tsou stated his suggestion to allied these standards to our GIS module: Claire and Cindy are required to design a questionnaire

focused on how our GIS module will follow and work on these content standard modules; after retrieving and investigating the feedback from related high school teachers, Claire and Cindy need to submit a new version similar to the part of "Education Content Standards" in a document "Web-based GIS Learning Module 1 Population 1". This work should be completed in one month.

#### **IV. Website and GIS module evaluation questionnaires**

Ting-Hwan submitted her design of the GIS module evaluation questionnaires and M. Tsou put forward his revision suggestion: add a title and introduction at the front of the questionnaire, the introduction should highlight our GIS module; provide 10 general questions and 10 specific questions, limiting the questionnaire in five minutes; bearing in mind, the questionnaire is designed for high school teachers and students, not professionals.

#### **V. Mobile GIS modules for May High school visit**

Cindy showed the use of GPS. M. Tsou stated his thought of the Mobile GIS module: Estimating a thirty minutes module, twenty minutes will be expended outside and ten minutes will be needed to complete the indoor exercise; muster every five students in one group, and six different points for each group; design a project of using GPS outside and allying the marked pointes to Google map view on line at indoor exercise. Cindy is mainly responsible for this mobile GIS module and Claire will assist her; each graduate assistant will instruct one group at the outdoor operation.

#### **VI. New Web-based GIS modules (Google API, Yahoo Locals)**

M. Tsou stated that every undergraduate and graduate assistant is required to concern the new web-based GIS modules development of API application, especially of Google API and Yahoo Locals, which has become a more and more popular application of web GIS and would be a main future development direction in all probability.

**Meeting adjourned at 3:40pm.**