

A Concept Map of GeoCollaborative Crisis Management

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Time: 3-5pm, Thursday December 4th

Location: IST 209

Session-Type: Graduate Students Only

Overview: Because of its nascent status as an area of research, GeoCollaborative Crisis Management (GCCM) theory and practice currently draw from a piecemeal set of scientific approaches and application domains. With such a diverse breadth of influences, it is often not fully understood how the tools and knowledge bases from these various fields can be used to facilitate GCCM. In this session, we will examine what the fields of Geography and IST can bring to GCCM. We hope that the gamut of experience and opinion offered during the session will both educate participants on existing connections of Geography and IST to GCCM (and to each other) and prompt new ideas for integrated efforts between the two fields for continued GCCM improvement.

Procedure:

(1) An overview presentation of the field of Geography (~10 minutes): The session will begin by a brief overview presentation of the field of Geography by Mr. Roth. Topics covered include the four sub-disciplines of Geography, a brief history on the sub-discipline of Geographic Information Science, a listing of influential fields on the formation of GIScience, and a brief example of the connection between GIScience and GCCM based on Mr. Roth's MS work.

(2) An overview presentation of the field of IST (~10 minutes): A brief overview presentation of the field of IST is then provided by Mr. Saab. Topics covered include a discussion of the diversity of research paradigms, interests and practices that attempt to integrate research with respect to Information, Technology, and People. Mr. Saab will present a brief example of his research related to the visualization of cultural landscapes based on a phenomenological approach to computational ontologies.

(3) Explanation of the Concept Mapping Activity (~5 minutes): The objective and process of the concept mapping methodology will be introduced by Mr. Saab. Here, participants will be informed how the core keywords will be elicited from the group and how they are to construct their concept maps using these words.

(4) Review of Workshop Presentations and Solicitation of Core Keywords (~15 minutes): One summary slide will be prepared by Mr. Roth on each of the work shop presentations. Participants will be solicited to offer summary themes or other important keywords used during this presentation. These keywords will be recorded and ranked based on frequency. The top ten most mentioned keyword will be used as the core keywords for the concept mapping activity.

djs 11/29/08 12:00 AM

Comment: Consent forms?

---- 11/29/2008, 14:01 ----

I think we're fine with implied consent, which is the primary form of consent outlined in my IRB. But I'll bring along copies of the Implied Consent Form for those who might want to keep it for their records.

(5) Concept Mapping Activity (~60 minutes): Participants will be divided based on research interest and asked to construct a concept map using 5-10 core keywords, paying particular attention to their selected interest. Large paper sheets and post-its will be provided to facilitate concept map construction.

(6) Discussion of Concept Maps and Wrap-Up (~20 minutes): Each group will present their concept map to the other groups. Each group will be asked to specifically discuss difficult decisions (i.e., the group was not unanimous on the presence or condition of a connection) and new insights (i.e., one or several group members were not aware of the connection prior to the exercise). The session will close with a comparison of the concept maps from the activity with those generated by Leximancer, a semantic and conceptual analysis software, using relevant scholarly journals (e.g., ISCRAM, Disasters, GIR, CHI, etc.) by Mr. Roth and Mr. Saab.

(7) Distribution of Concept Maps: Following the workshop, the concept maps will be drawn up in Adobe Illustrator and distributed to all workshop attendees.

djs 11/29/08 12:00 AM

Comment: Have you ever used CMaps? Very easy to use, and open source. <http://cmap.ihmc.us>