A workshop for GIS professionals and disaster managers...

**Using Geographic Information Systems (GIS) for Disaster Management**

**Domestic and International Applications**

**October 22-24, 1997**

**Madison, Wisconsin**

- Evaluate the critical spatial aspects of emergency management
- Explore opportunities for linking GIS to disaster management
Why GIS?

Individuals and organizations responsible for emergency management use many tools to save lives, reduce human suffering and preserve economic assets before, during and after a catastrophic event. Correct and timely information is a critical part of any successful emergency management program. A geographic information system (GIS) can provide that sort of information.

This workshop will demystify GIS and provide details about proven emergency management applications. After three days, you will be better able to identify the possible links between GIS and emergency management in your own work.

Focus on Practical Solutions

GIS can be part of the solution to many emergency management problems. If you are considering GIS as a component for an emergency management program, this workshop will help you to:

- identify emergency management problems with spatial aspects appropriate for GIS
- outline an effective GIS process for collecting and analyzing spatial data for emergency management problem-solving
- evaluate the costs of institutionalizing GIS as an emergency management tool in terms of staffing, training, data collection, hardware and software

Yesterday’s solutions may not solve today’s problems and will not solve tomorrow’s. This workshop will give you state-of-the-art information for today and tomorrow, based on practical and proven applications from throughout the world. Detailed examples will come from international organizations, government agencies, non-governmental organizations and the business community. You will have an opportunity to work through some applications in our computer learning laboratory. You’ll leave this workshop with practical GIS solutions to your emergency management problems.

Attend and Benefit

This workshop will be valuable to practitioners and decision-makers—people who need practical, reliable information to evaluate, specify and use new management tools. The workshop is designed especially for two types of professionals: GIS practitioners who want to learn about emergency management and proven GIS applications, and international or U.S. emergency managers who want to learn about the potential of GIS as an effective tool for typical emergency management programs. Emergency managers from all levels of government, business, the military and non-governmental organizations will benefit, along with emergency management educators from technical schools, community colleges and universities.

Plan Now to Enroll

Please take a moment to read more about this informative workshop. If you are a disaster manager, enroll to increase your effectiveness. If you are a GIS professional, learn what you need to make informed decisions about incorporating GIS into ongoing emergency management programs.

You will learn from experienced professionals who have successfully put into practice what they teach. If one of your colleagues might profit from this workshop, please pass along the information.

Using Geographic Information Systems (GIS) for Disaster Management
October 22–24, 1997, in Madison, Wisconsin

Call Today!
Toll free 800-462-0876
http://epdwww.engr.wisc.edu/
An Introduction to Emergency Management
• Hazards: including conflict and war
• Disaster response organizations: international, national and local
• Strategies for mitigation, preparedness, relief and recovery
• Comparing domestic and international programs

An Overview of Geographic Information Systems
• The multiplicity of definitions for a GIS
• Characteristics of different types
• Hardware and software
• Base data and thematic data
• Formats and sources

The “I” in GIS
• An information needs assessment
• Quality and timeliness
• Objectivity
• Measurements
• Sustainable system re-design

Applications Issues for Emergency Management
• Potential GIS applications
• Limitations and constraints
• Costs and benefits
• Steps to institutionalization

Comparing Sample GIS Applications
• Problem identification, constraint definition
• Evaluation of requirements and costs
• Solution design
• Data collection, synthesis and analysis
• Presentation of results
• Decision-making tools
• Field experience
• Updates

Future Trends for GIS in Emergency Management
• UN ReliefWeb

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Workshop Registration and Schedule
The workshop will be held at The J.F. Frederick Center, one of our lakeside conference centers on the campus of the University of Wisconsin–Madison. Registration will be at 8:00 a.m. on Wednesday, October 22. Workshop sessions will be held from 8:30 a.m. to 5:00 p.m. on Wednesday through Friday. The daily schedule will include lunch, refreshment breaks and a Wednesday evening social hour (cash bar) and dinner buffet. An optional Thursday evening hands-on session may be scheduled in our computer learning laboratory.

Experienced Workshop Leaders
Ted Algermissen
EQE International
Evergreen, Colorado

Stephen Bender
Organization of American States
Washington D.C.

Maxx Dilley
Office of U.S. Foreign Disaster Assistance
Washington D.C.

Bryn Fosburgh
Trimble Navigation
DeForest, Wisconsin

James Good
InterWorks
Madison, Wisconsin

Paul Hess
Kenosha County Department of Emergency Management
Kenosha, Wisconsin

Dennis King
United Nations Department of Humanitarian Affairs
New York, New York

Raymond Peña
Dane County Department of Emergency Management
Madison, Wisconsin

Brian Tucker
GeoHazards International
San Francisco, California

Stephen Ventura
UW—Environmental Studies and Remote Sensing
Madison, Wisconsin

And others...
Enrollment Form

Please advise us at time of enrollment if you are a person with a disability and desire special accommodations. Requests will be kept confidential.

Please enroll me in Workshop #7512
Using Geographic Information Systems (GIS) for Disaster Management
October 22–24, 1997 Fee: $695 (1.8 CEU)

Please type or use ink; print information as you'd like it on your record.

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□ American Indian/Alaskan Native 3
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□ White/Other 5

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