SCIENCESPRINGDAY



DEPARTAMENTO DE INFORMÁTICA

Geographic Information and Simulation Systems

MULTIMODAL SYSTEMS / GISS





André Sabino

(Student)

MSc in Computer Science, FCT UNL. Research on spatial simulation, emergency management and collaboration.

Advisor: Armanda Rodrigues

Objectives

Developing collaborative information representation models and tools to analyse computer supported cooperative work.

Explore the cartographic metaphor for cooperation representation and visualization.

Developing integration systems for emergency management systems.

Awareness Channels Hierarchy and Policy requires requires Computer Supported Cooperative Work Shared Workspace Visualization is a form of involves Collaboration over Spatial Domains may use "E Methodology (Researchy) Provides Cartography

Methodology

Modelling CSCW networks and social networks, determining distances between users and topics, enabling the identification of potential links for collaboration or relationships.

Integration of the collaborative information representation model with network visualization tools. Using Flickr data for social network inference as use case.

Developing a framework for the integration of sensor data with information visualization for risk analysis. Using flood forecast in two Portuguese coastal areas as use case.

Cartografa Tabelas de Risso Tabelas de Transferiencia Rosa Consógrafo Perto de Lisbos Dados de Entrada Cartografa Interpolação de Transferiencia Dados de Transferiencia Avallação de Risso Dados de Transferiencia Frocessamento Processamento Dados Gerados Analiso de Dados de Analiso de Risso Analiso de Dados de Sensora Analiso de Dados de Sensora

Expected Results

Validation of the collaboration representation model and identification of the metrics (distances between users, keywords, etc.) that lead to useful collaborative links. This enables the definition of suggestion channels for CSCW applications.

Validation of the emergency management support framework.

Funding:

