



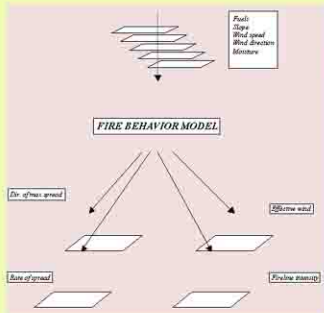
# Participatory Virtual Studio for Environmental Planning — A Case Study of Wild Fire 環境規劃虛擬工作室 —— 以林火為例

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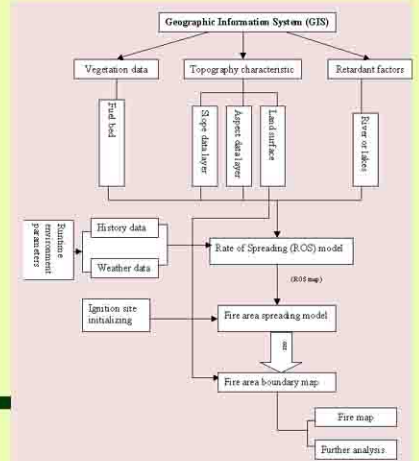
Joint Laboratory for GeoInformation Science, Chinese University of Hong Kong.  
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## Project Summary:

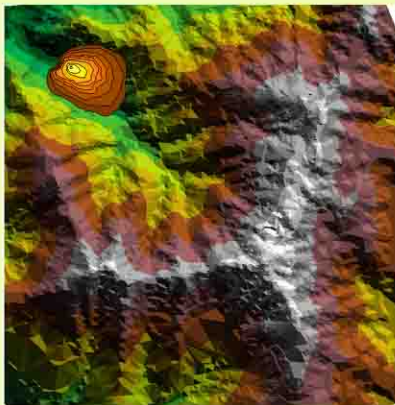
A combination of Web GIS and the Internet opens up a channel to secure mass participation in spatial referenced decision-making. This project explores the use of Web GIS, Internet and other technologies to overcome the interactive information access barriers to the participatory process in the environmental planning and takes forest fire as an example that should be taken into consideration during ecological planning. A Web GIS based Virtual Studio system is developed to secure general public access. Both the planning authority and the general public, together with related professionals can participate in the planning process with the aid of this online Virtual Studio.



Fire behavior model and its influencing forces

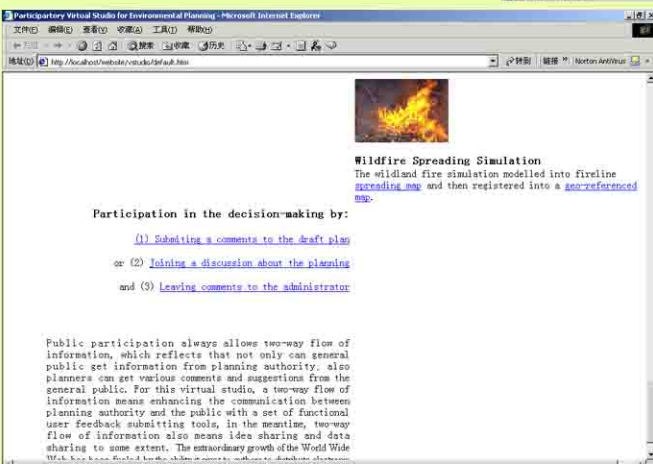
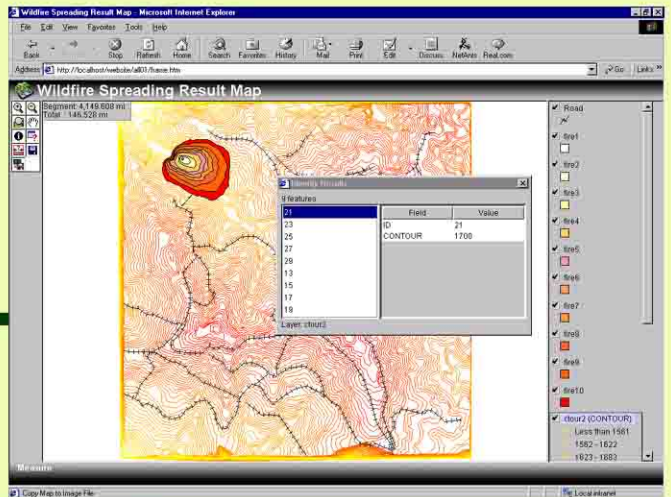


Overall data flow chart in fire simulation



A fireline spreading map generated by the wildland fire simulation model is surrounded by hypsometric tending DEM.

Visualization of wildfire simulation result with hypsometric tending contours that can be queried.



- Participation in the decision-making by:
- (1) Submitting a comments to the draft plan;
  - (2) Joining a discussion about the planning;
  - (3) Leaving comments to the administrator.