



## **The Romanian contribution to the COST action TU0801 "Semantic enrichment of 3D city models for sustainable urban development"**

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The COST action TU0801 "Semantic enrichment of 3D city models for sustainable urban development" aims at using ontologies to enrich three dimensional models of cities. Such models can be used for various purposes, one of them being disaster management.

COST actions are European networks of nationally funded projects, the European Science Foundation funding the networking activities.

Romania adhered to the above mentioned COST action in 2009, the nationally funded project being concerned with the use of GIS for the vulnerability to hazards of the city of Bucharest.

Among the networking activites Romanian representatives participated in are a training school on 3D GIS for disaster management (with two trainees) and a working group and management committee meeting.

It is aimed to further develop the issues of usability and guidance of semantically enriched city models as task from the working group within the Action for the nationally funded project.

In this contribution there will be shown how it is aimed to achieve this.

One of the issues is on how to extrude GIS to achieve a simple 3D representation for a pilot area in the historic centre of Bucharest.

Another one is on how to use this for the study of urbanism aspects, ranging from visual urban composition to the complex 3D aspects in restoration projects, including addition of new floors to buildings.