GIS Application in Tourism Case study "Poarta Raiului "Area

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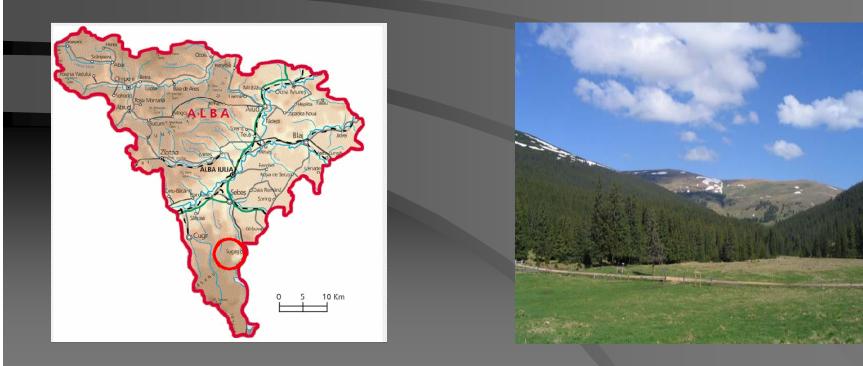
Issues of Romanian Tourism

> tendency of increasing number of local consumers for tourism products ;

➢ progress in upgrading the tourism infrastructure which creates prerequisites for continued upward trend of tourist traffic ;

➤ travel agencies, owners of hotels, hostels and villas have made these changes to create a more welcoming environment for tourists;

Geographical Location of Study Area > the interesed area is located in the south part of Alba county , near Sugag ; > the access in the area is made on the following routes : \$ugag -Tău - Gura Prigoanei- Luncile Prigoanei- Poarta Raiului or Cugir – Canciu - Luncile Prigoanei- Poarta Raiului ;



The Importance of Sebes Valley Area for Tourism

rural tourism and agrotourism;

>tourism resorts and recreation ;

>climbing, caving;

> tourism for hunting and fishing;



The Legal Framework

Law nr. 526/2003 approving the National Program of development on mountain tourism "SUPER-SCHI in Carpathian ";

Government Decision nr. 511/2001 regarding some measures of organization in recreational activities in tourist resorts;

➤ Government Decision nr. 31/1996 for the approval of Methodology documentation of the territorial planning , resorts and technical documentation on constructions in tourism ;

➢Government Decision nr. 1122/2002related to the conditions and procedure for certification of resorts;

GIS Role in the Modernization of the Future Tourist Complex "Poarta Raiului"

> correct data register by the achievement of digital maps tourist;

introduction of these maps into digital atlases ;

> decision support of the management staff on issues related to mountain routes;

> statistical evidence on the inventory of land and buildings for tourism;

Sources of the Data Integrated into GIS Environment

plans and maps;

> table files;

measurements ;

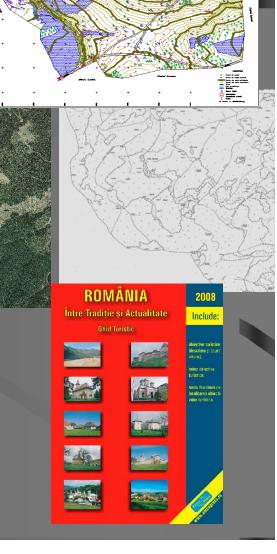
>ortophoto-plans ;

> tourist guides;

> publications ;

> internet ;





Integration of Graphical and Non Graphical Data into GIS Project

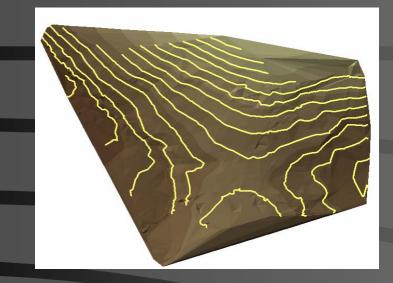
Selection of layers regarding the content of the maps;

> design database;

design and adding descriptive elements;

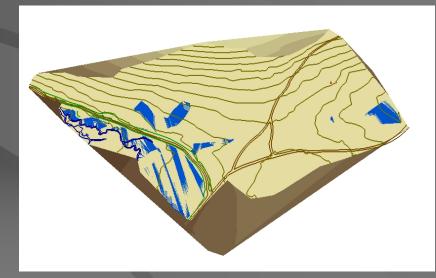
> achievement links;

Development of Digital Models

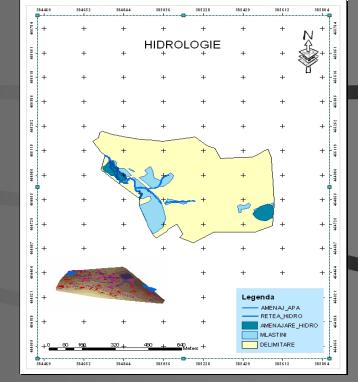


> 2D model

≻3D model



Establish Thematic Maps



> displaying cartographical representations ;

highlighting the characteristics of lands ;

providing informations regarding the entities modeled;

selecting or highlighting entities after various criteria;

Conclusions and Proposals

using GPS equipment for the purpose of collecting GIS data ;

capability of GIS to access / integrate graphical alpha-numeric existing data;

making GIS information available for several departments through local networks/intranet or internet;

development of digital maps for all tourist areas in Romania and placing them in an international online atlas for e-marketing activities;

Thank You for Your Attention!