



MiSRaR Project

Landslide mitigation and prevention in GABROVO

Mirandela, April 2011,





Landslide mitigation and prevention in Gabrovo Region

Issues tackled in the best practice: Analysis of geological data for landslide mitigation and prevention



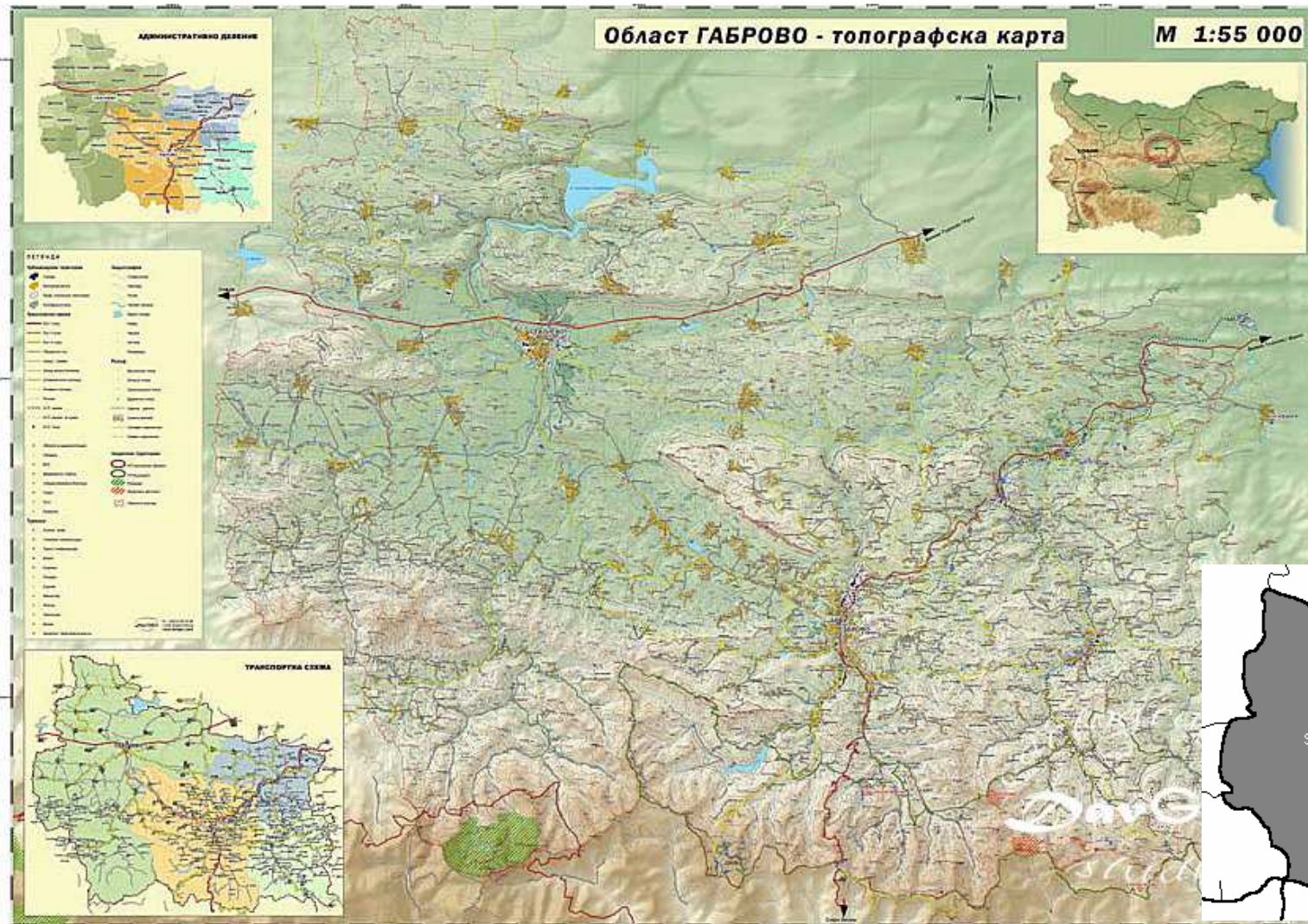
OBJECTIVES OF THE PRACTICE

- To identify and analyze all possible factors and risks connected with landslides
- To present the existing means and capacities for mitigating landslides
- To showcase existing projects in the area of landslides mitigation and prevention





TERRITORY COVERED – Gabrovo Region





Landslide Risks in Gabrovo Region



- ▶ Global landslide risks
- ▶ Gabrovo – a region with high number of landslide risks
 - ▶ Number of active landslides
 - ▶ Hundreds of potential landslides
 - ▶ Current projects implemented





Mitigation instruments/measures taken

- Geometric methods, in which the geometry of the hillside is changed (in general the slope);
- Hydrogeological methods, in which an attempt is made to lower the groundwater level or to reduce the water content of the material;
- Chemical and mechanical methods, in which attempts are made to increase the shear strength of the unstable mass or to introduce active external forces (e.g. anchors, rock or ground nailing) or passive (e.g. structural wells, piles or reinforced ground) to contrast the destabilising forces.





Projects implemented



EVALUATION AND CONCLUSION

- There is a good knowledge of the current state of landslide risks areas in the region.
- The current measures taken are well planned and applied
- There is need for additional efforts in implementing new and more cost-efficient solutions.





CONTACTS

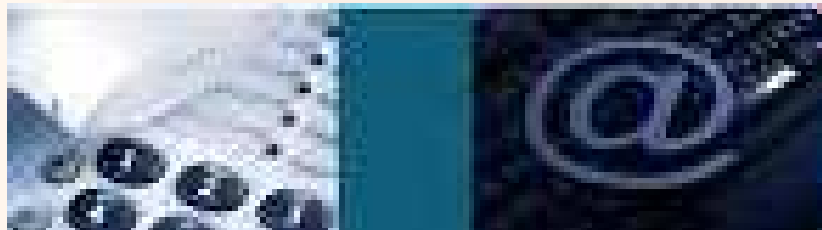
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THANK YOU
FOR THE ATTENTION
QUESTIONS? 😊

