

GIS-Visualisation for territorial determination of the flood damage potential for the flood protection concept Müglitztal

C&E · Consulting und Engineering GmbH



D-09117 Chemnitz • Jagdschänkenstraße 52
 Tel.: +49 (0) 371 881 4228 • Fax: +49 (0) 371 881 4311
 E-mail: info@cue-chemnitz.de
 Internet: www.cue-chemnitz.de

Project Objective: As a basis for the benefit-cost-analysis for the assessment of the flood retention basin at different sites in Müglitztal the territorial determination of flood damage potential must be undertaken.

Location: Saxony

Client: Dam Authority of Saxony

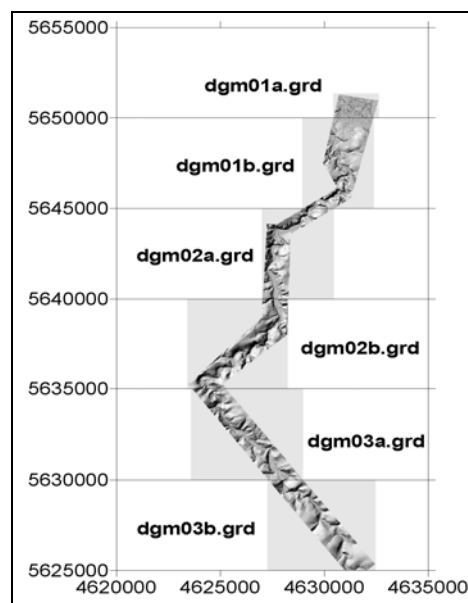
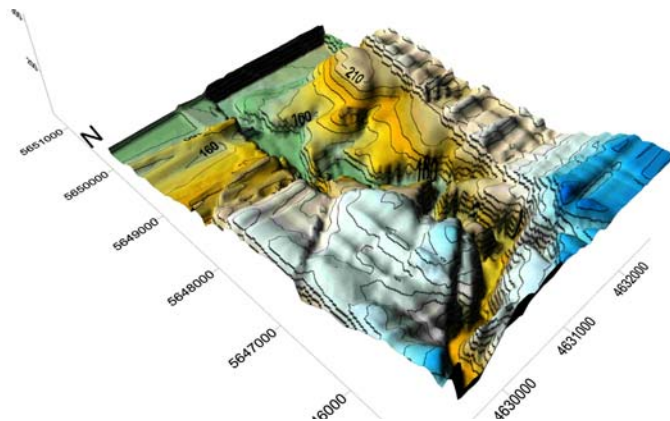
Beneficiary: Dam Authority

Year: 2004

Budget: 80.000 €

Initial Situation:

The damage calculation was carried out according to the method of Dam Authority/Ministry of Environment and Agriculture of Saxony (2003), Petraschek and according to the HOWAS-Database. The overflowing level determined with damage functions was blended in the specific land parcels.



Services Provided:

- For the determination of the damage level following information were needed:
 - Land use
 - Estimation of water level locations
 - Digital terrain model
 - Damage functions depending on overflowing level for the different use
- Visualisation of Results