

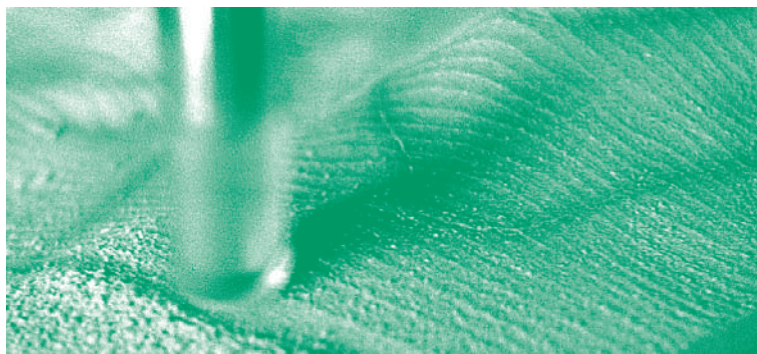
Terrain Models



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TERRAIN MODELS *interactive*

Using conventional displays, such as map images or picture sequences, space and time can only be presented to the broad public in an inadequate way.

With an interactive terrain model, the spatial arrangement of the geographical facts are indeed presented in a very subtle and flexible way on a miniature scale. Using a video projection, the user can freely connect and study impressive two-dimensionally derived map information and three dimensional landscape forms.

Examples: Presentation and free overlaying of paths, roads, places, utilisation forms of forestry, agriculture and industry, historical, biological, geological or climatological facts, tourist information – and many more.

The time based dimensions are made available through controllable video

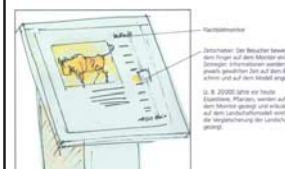
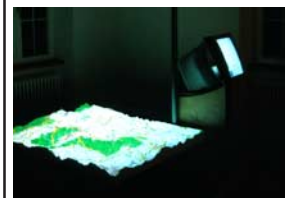
Terrain models are milled with high precision from the full material based on so-called Digital Elevation Models (DEM). The choice of materials for this is largely free.

animations, demonstrations of the spatial changes within a specified period of time. Such a virtual time machine of this type enables passage through the presented history in a direction of your choice.

Examples: Historical development of a landscape (conquests, uprooting, make up of an infrastructure), geological processes, climatic development (changes in the seasons, ice ages) - and many more.

Background information is made available via a control terminal to the required depth. The use and control of the complete installation is carried out via this unit. The screen of this terminal is touch sensitive. Push button fields can therefore be operated by the user without any additional technical aids, via a user friendly designed desktop.

The installation allows for numerous additions. For instance, the backboard can accept several further multimedia modules along with graphical elements; there is optional print and sound reproduction, as well as a connection to the Internet.



References

Eifel Volcano Museum Daun
House of Nature Ruhestein/Black Forest
House of Nature Feldberg/Black Forest
Natur Park Southern Eifel, Teufelschlucht, Erzen
Eifel Water Info Centre, Heimbach
Kleinwalsertal Tourism Board, Walserhaus
Natur Park Southern Eifel, House Islek, Daleiden
Höchstädt Castle, Danube
House of Nature, Waldau, Bonn
Eifel National Park, Gemünd
Bavarian Forest National Park, Frauenau