



Paul Scherrer Institute Villigen 2008

'Interactive Sphere' for the Permanent Exhibition

For the visitors' centre of the Paul Scherrer Institute in Villigen, Switzerland, iard realised the main exhibit 'Interactive Sphere'. The installation was developed in order to communicate global circumstances and developments regarding climate change, energy research and mobility.

Viewers use a touch screen to choose one of three themes, each of which is assigned to a presenter. He or she welcomes visitors, introduces them to the theme concerned and draws their attention to texts containing further information as well as to the sphere's content. For each theme selected, the sphere shows corresponding animation, films or 3D representations, partly combined with short, temporarily displayed text details and announcements or sounds in the room.

By rotating the sphere, viewers can systematically change the images and content on its surface, and consequently its appearance and the statement it makes.

Taking on the appearance of Earth, the sphere shows through images and figures how the world's crude oil reserves are dwindling from year to year; it turns into a three-dimensional pie chart that illustrates how the utilisation of different energy resources has developed over time as well as offering a future-oriented abstract representation of the sustainable use of forests worldwide.

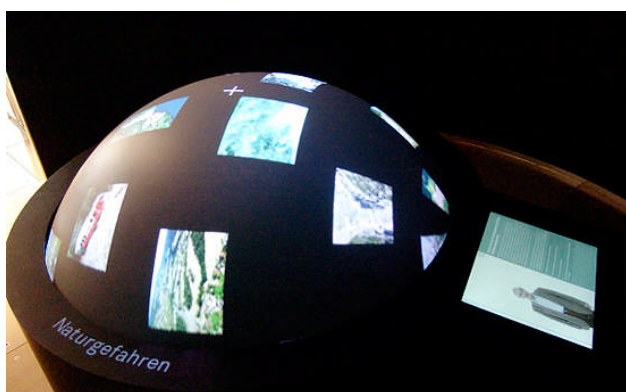
With varying levels of complexity, laymen as well as experts are offered direct, playfully intuitive access to themes of global relevance.



Energy consumption in worldwide comparison



CO₂ emission per capita in worldwide comparison



Natural hazards: information via pictures, further information via touch screen



Natural hazards: video about floodwaters

Client / Customer

Paul Scherrer Institute Villigen

Services iart

Concept, planning and realisation of the installation and its content

Media

Interactive sphere with animations

Content

Films, texts, pictures, animations, ambient sound, video takes with actors

Project Duration

9 months

Opening

January 2008

Exhibition Duration

Permanent exhibition

Exhibition Area

30 m²