

# WorldView

## - new ways of visualizing Climate Change

Climate Change has become one of the most dominating questions on the political agenda and in public debate. As the understanding of the myriad of factors contributing to climate change increases, so does the need to balance the often over-simplified picture of a complex problem. Visualization techniques, new narrative forms, interactive and experience based media and meeting places are powerful tools that can fulfil these demands.

The Norrköping Visualization Center and the Centre for Climate Science and Policy Research have initiated a co-operation with the Hamburg Planetarium and international climate researchers at a.o. KlimaCampus/Max Planck Institute on climate change and sustainable development. The co-operation aims at creating a platform for the visualization of climate change that can be presented through immersive environments.

An important part of the project deals with the integration of current climate research in the form of visualization, animation and film in an existing interactive platform, Uniview, that is applied in planetariums all over the world.



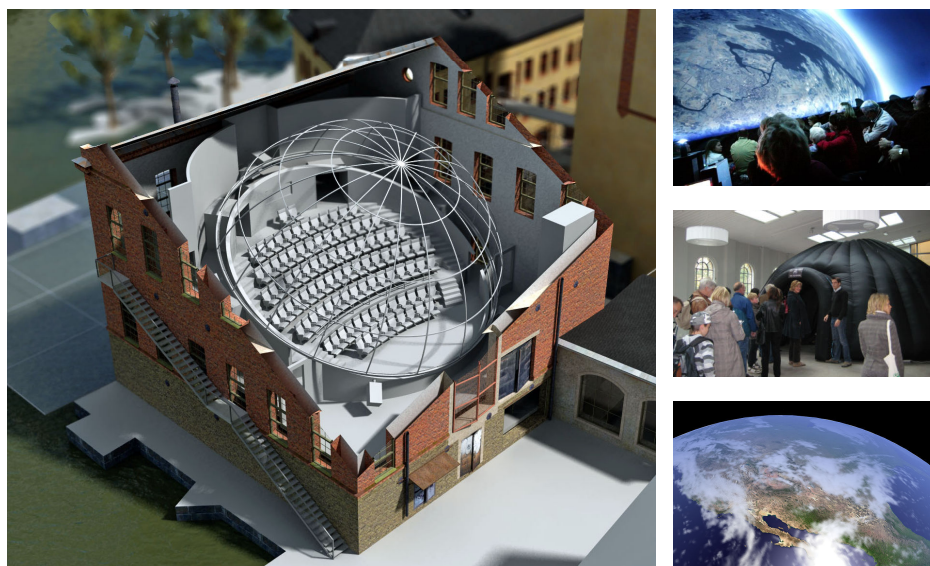
Example of a visualisation in Uniview of the current extension of the arctic ice cover. Source: Data from Kings College, London.

This project emphasizes the exploration and development of narrative and alternate forms of presentation that provide tools and inspiration for taking initiative toward a positive future development. This demands the initiation of new approaches and methods for conveying knowledge to a younger audience, where participation and interaction are essential ingredients.

The primary aim of this project is to create a dome presentation to be shown in the new Norrköping Visualization Center. The presentation will follow the structure of the IPCC with a distinct focus on solutions and options, and will contain knowledge on global linkages and results from Swedish climate research.

The production and format will be adapted to an inflatable dome, and taken on tour to various strategic climate meetings in 2009, during the Swedish EU presidency.

Simultaneously, the project initiates the creation of a larger international network of climate researchers and visualization environments for an exchange of knowledge and content, which will manifest during several arrangements in 2009 and 2010.



Large picture: With a capacity of 100 visitors, the dome theatre of the Norrköping Visualization Centre will provide an environment for border-crossing presentations - an audio-visual surround experience affecting both the mind and senses, while responsibly raising societal focus in concern toward the world we share and climate change.

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