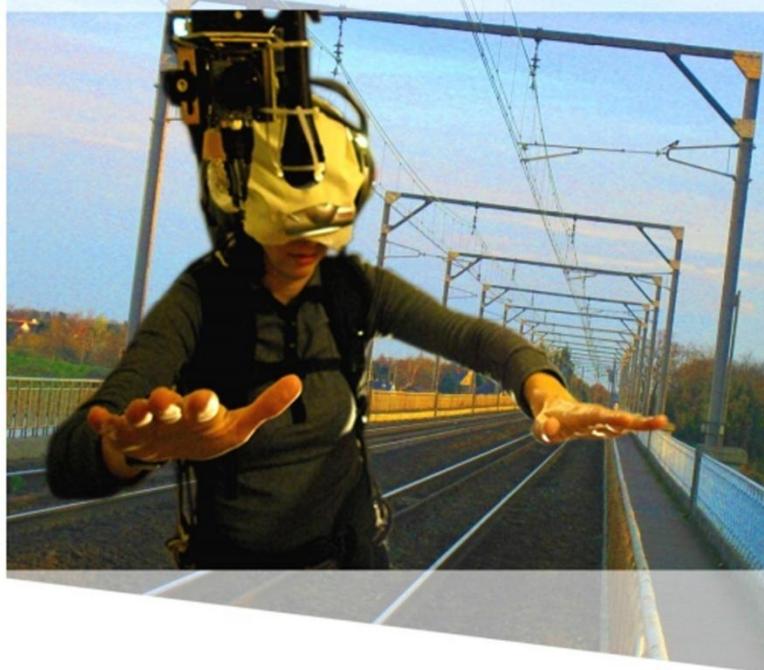


Experience Design

ReShaping Reality

fysieke en mediale werkelijkheidsbeleving in mediakunst



Culturele Studies - Augustus 2009
meesterproef Rosanne van Klaveren
professor: Fred Truyen

KATHOLIEKE UNIVERSITEIT LEUVEN

Panorama

Panorama

- term used for the first time in the Morning Chronicle, 11th June 1791, London.
- Robert Barker (inventor) patented it 17th June 1787 as "*la nature à coup d'oeil*",
- first panorama ever, 21 meters image of Edinburgh.



The audience at an exhibition in London wasn't very enthusiastic.
Only artists were interested in the work, but only because of the new techniques.

Slag bij Waterloo - Louis Dumoulin

- 1912
- around 30% of all panorama's were scenes of war (monumental memories)







Techniques

Trompe l'œil

Anamorphose

Techniques

*Trompe l'œil
Anamorfose*

Panorama = *from trompe l'oeil to coup d'oeil*
Stephan Oetterman: *sociaal medium (no anamorfose but circular perspective)*

faux terrain = tools, weapons, jackets, hardboard solders, grass, stones, ..., ...,

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smoke: not only to make it more dramatic, but to blur the vision too.

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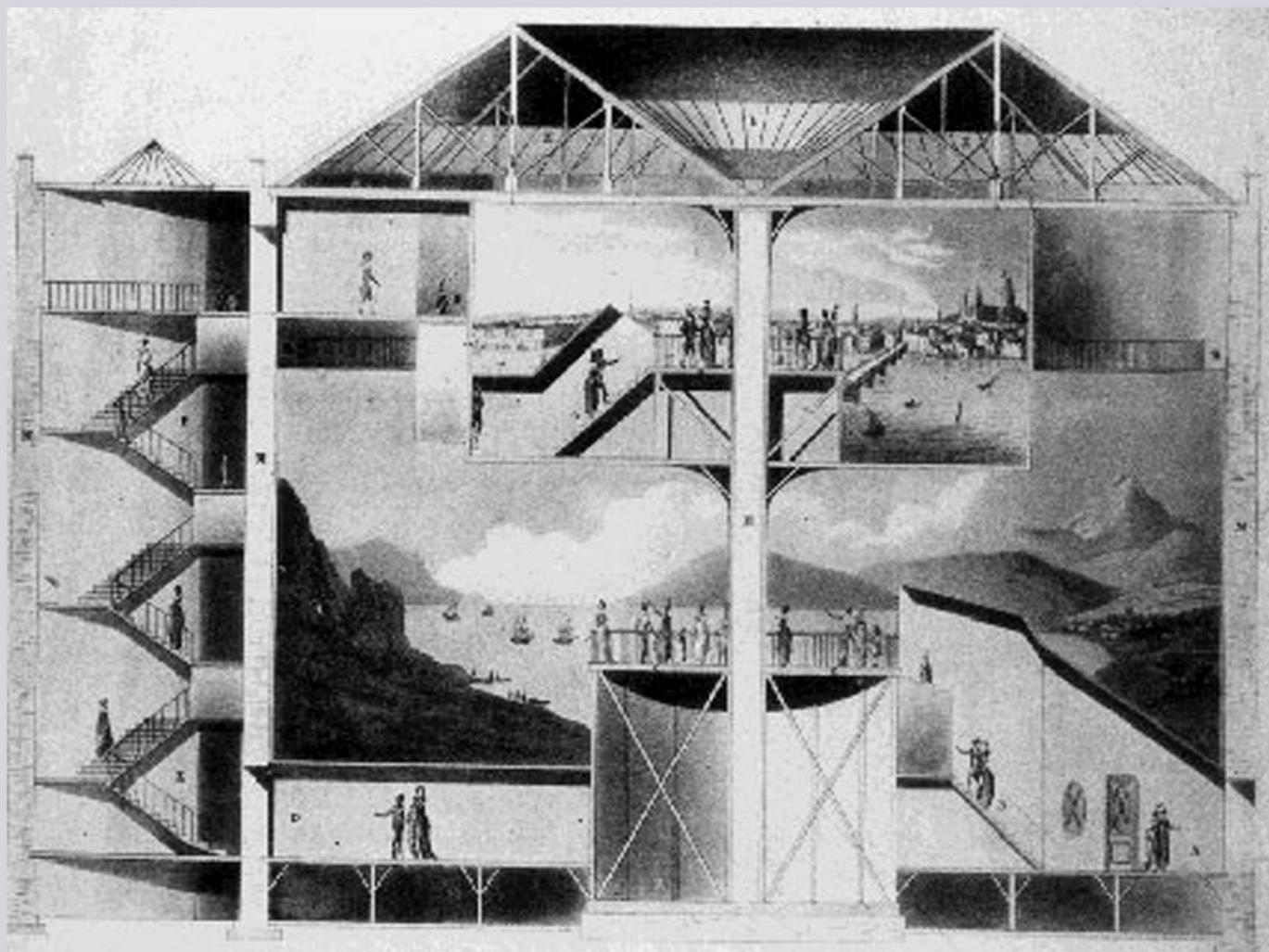
The Battle of Sedan - Anton von Werner

- 1 sept 1883, Berlin
- French-Pruisische War 1870-1871, situation around 13.30 hours
- 1 million Mark costs, many millions profit
- by order of Brussels companies, with financial support from Berlin investors.



Figure 4.36. Panorama of The Battle of Sedan (Franco-Prussian War of 1870–71), painted by Anton von Werner, Eugen Bracht, et al. Orientation plan from brochure, 1883 (author's collection).





Chiesa dei Santi Quirico e Giulitta a Perugia

Cappella del Santissimo Sacramento a Perugia - Progetto

1955

Arch. Renzo Piano

Physical effects

Antoine Dufourny: “as soon as the eye is accustomed to the light inside (the panorama), forgets the colors of nature, the painting produces imperceptibly its effect; the longer one contemplates it, the less one is persuaded that that which one sees is merely a simple illusion.”

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Johann August Eberhard - Handbuch der Asthetik Part 1: “I sway between reality and unreality, between nature and non-nature, between truth and appearance. My thoughts and my spirits are set in motion, forced to swing from side to side, like going round in circles or being rocked in a boat. I can only explain the dizziness and sickness that befall the unprepared observer of the panorama in this way.”

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Panorama sickness...

Panorama Mesdag - Hendrik Willem Mesdag

- 1881, Scheveningen
- 120 meters long and 14 meters high
- oldest panorama that is still at its original location





SeaGaia Ocean Dome

- 1993-2007 in Japan
- sized siw football fields, fitted 10.000 people



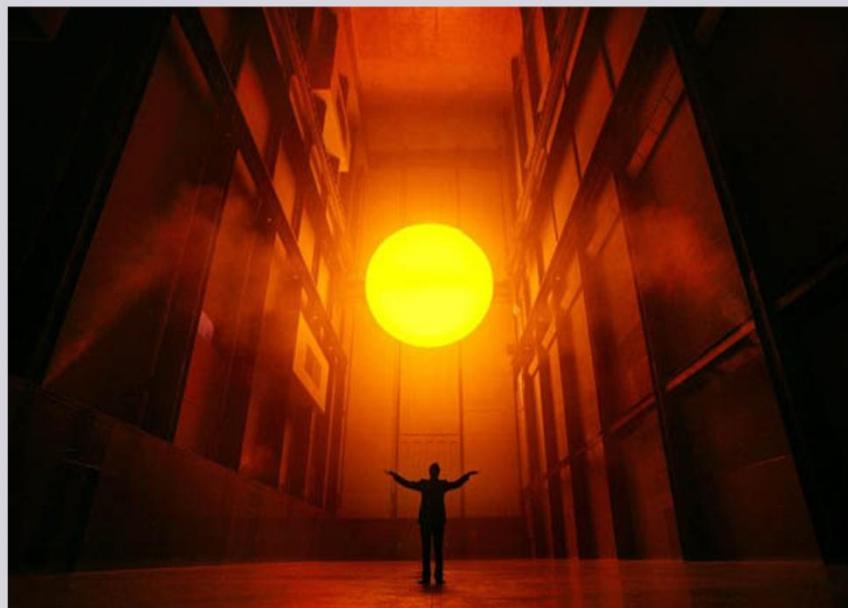


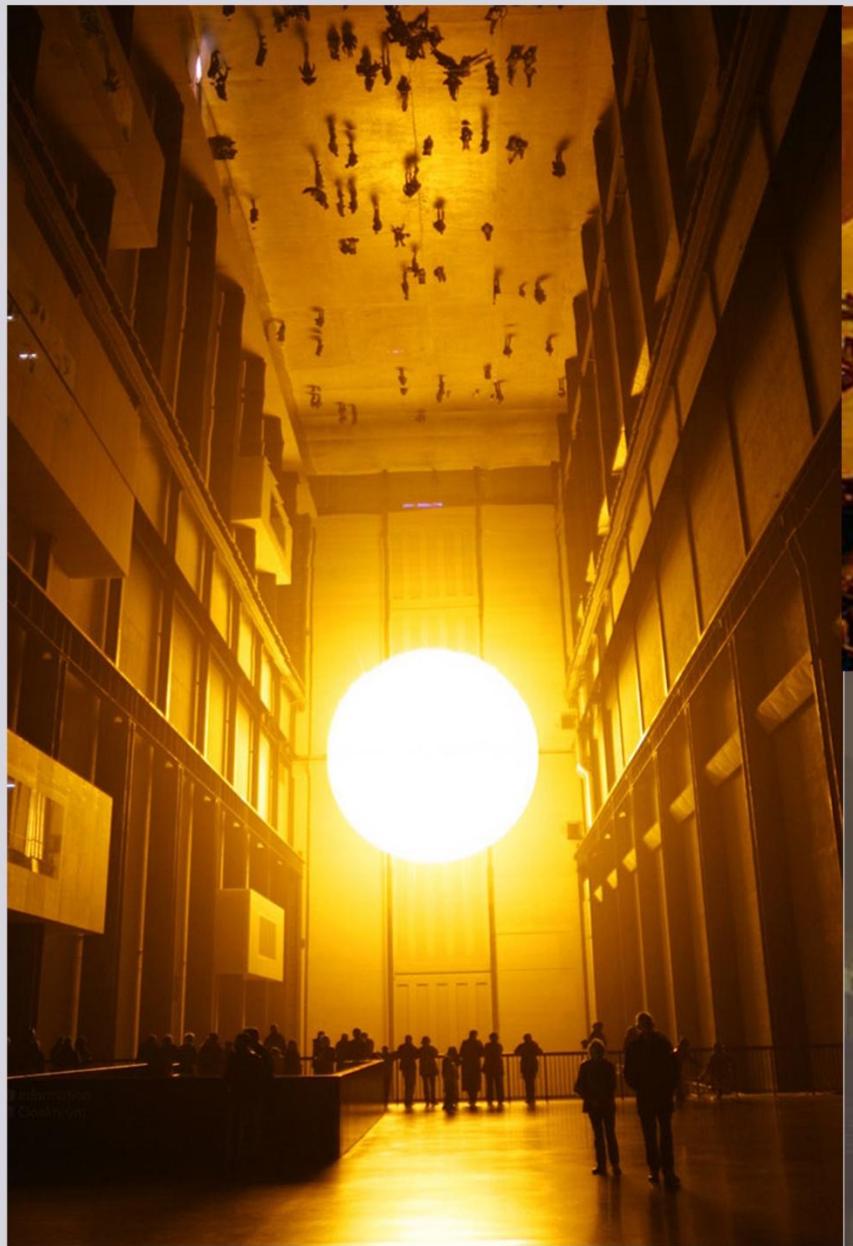




Olafur Eliasson - The weather project (2003, Tate Modern)

In this installation, representations of the sun and sky dominate the expanse of the Turbine Hall. A fine mist permeates the space, as if creeping in from the environment outside. Throughout the day, the mist accumulates into faint, cloud-like formations, before dissipating across the space. A glance overhead, to see where the mist might escape, reveals that the ceiling of the Turbine Hall has disappeared, replaced by a reflection of the space below. At the far end of the hall is a giant semi-circular form made up of hundreds of mono-frequency lamps. The arc repeated in the mirror overhead produces a sphere of dazzling radiance linking the real space with the reflection. Generally used in street lighting, mono-frequency lamps emit light at such a narrow frequency that colours other than yellow and black are invisible, thus transforming the visual field around the sun into a vast duotone landscape.





The Great Globe - James Wyld



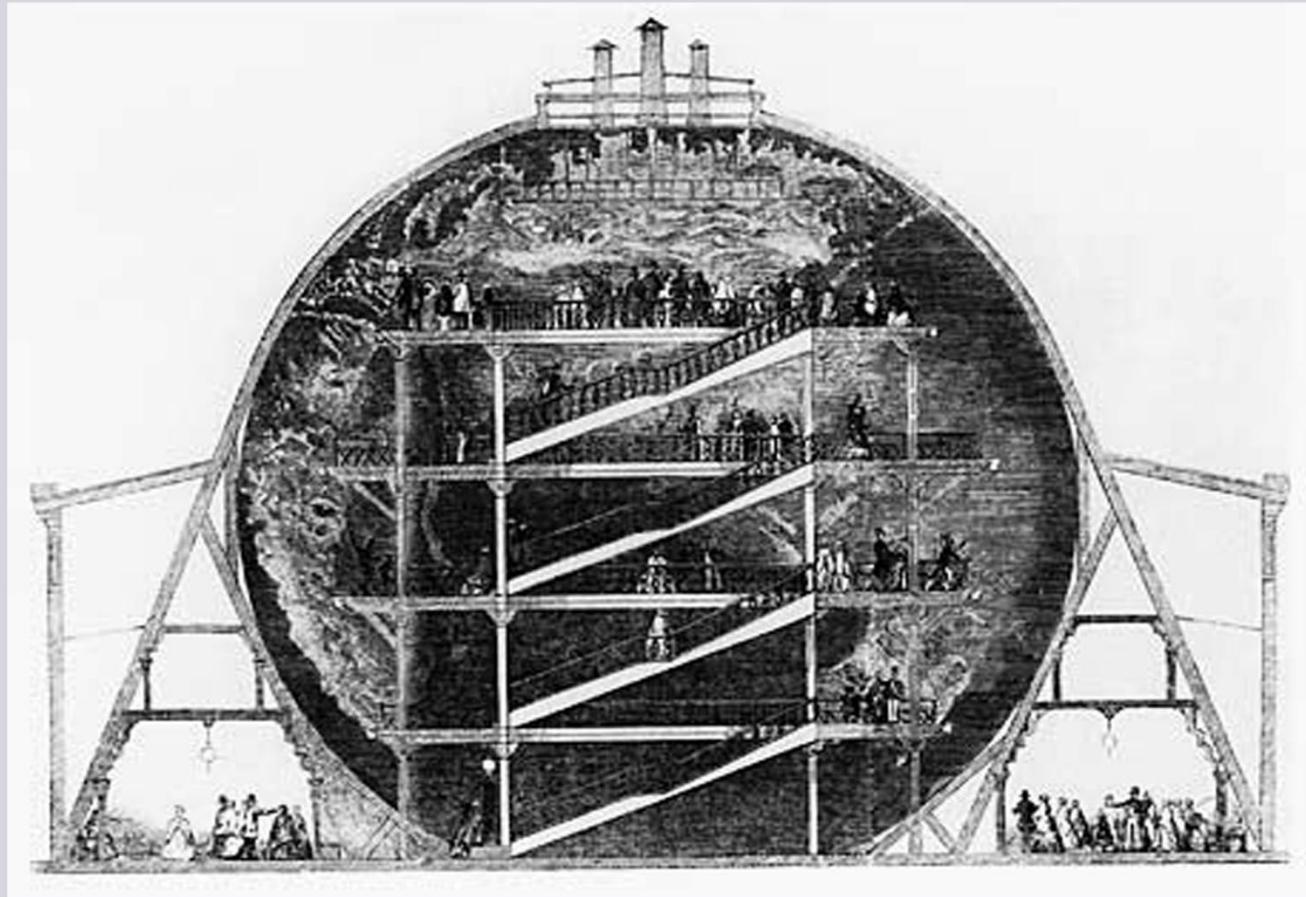
WYLD'S MONSTER GLOBE.

London: J. Wyld.

Reproduced from "Wyld's London" Plate 277. W. Johnson, April, 1871.

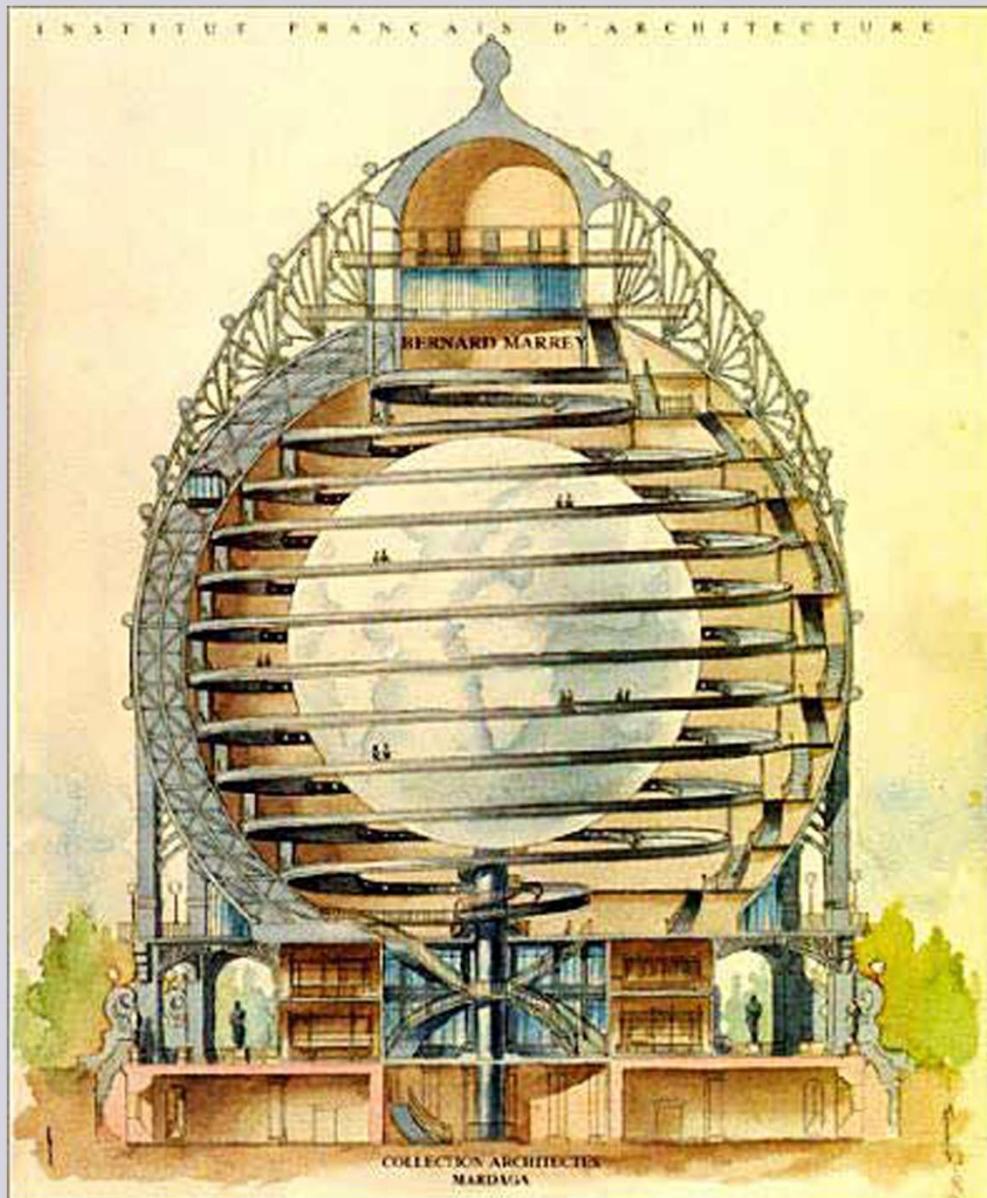
The Great Globe - James Wyld

- 1851-1862
- 60 feet (18 m) in diameter
- the earth inside out (mountains, vulcanos)



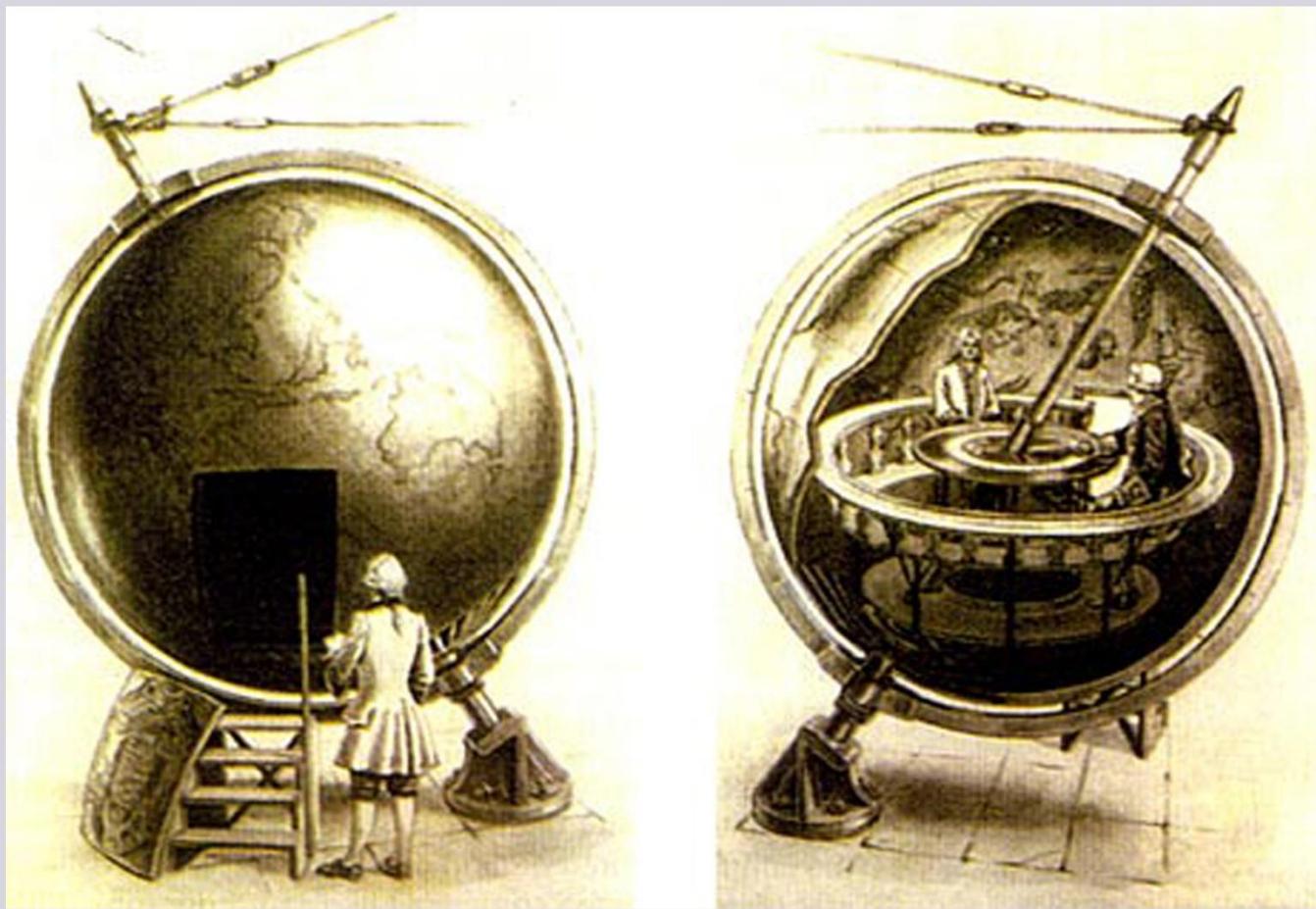
Elisée Reclus' Globe

- 1895
- our world 1:100,000
- latest geographical information
- 418 feet in diameter
- never build



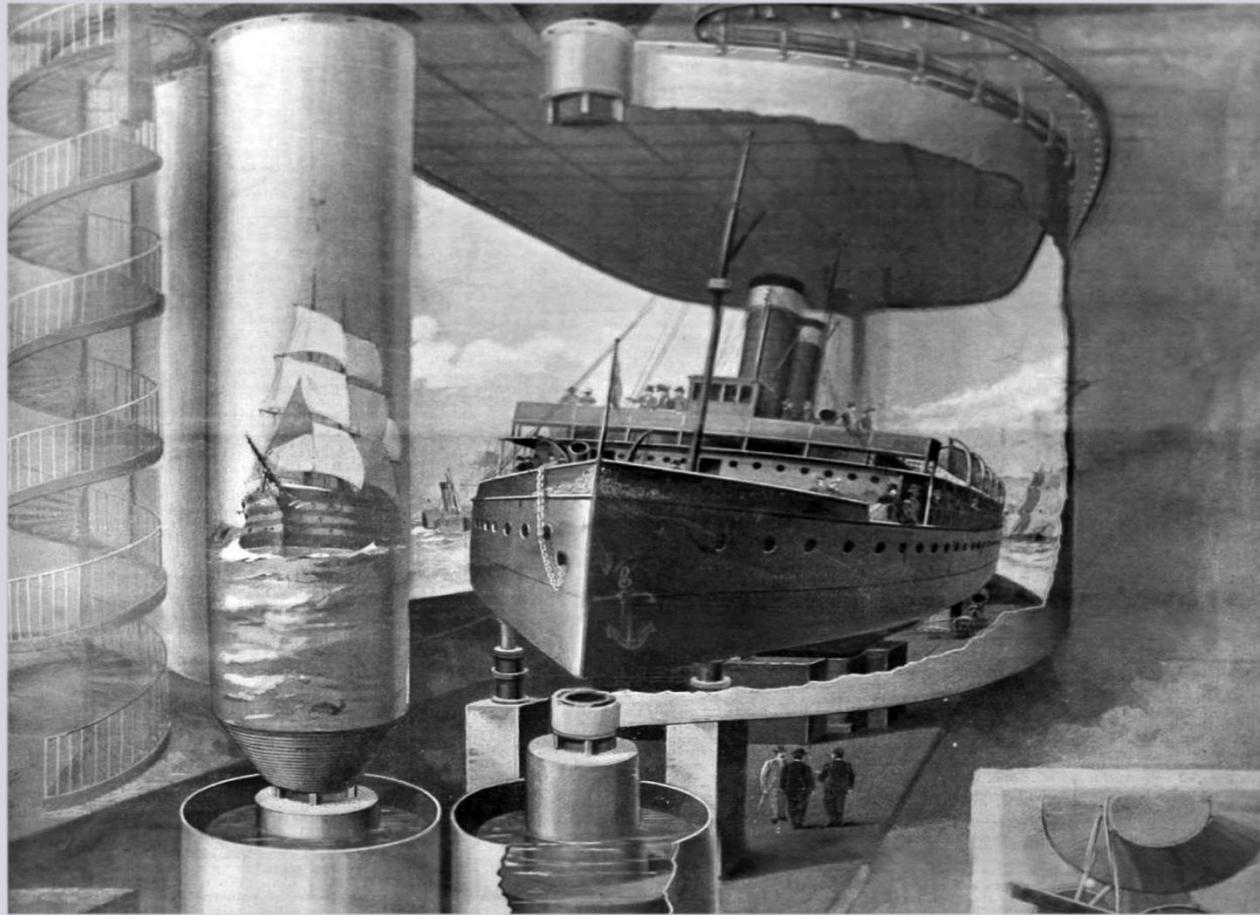
The Gottorp Globe

- 1664
- world's first modern planetarium
- Germany
- 10 feet in diameter
- hydroelectric energy



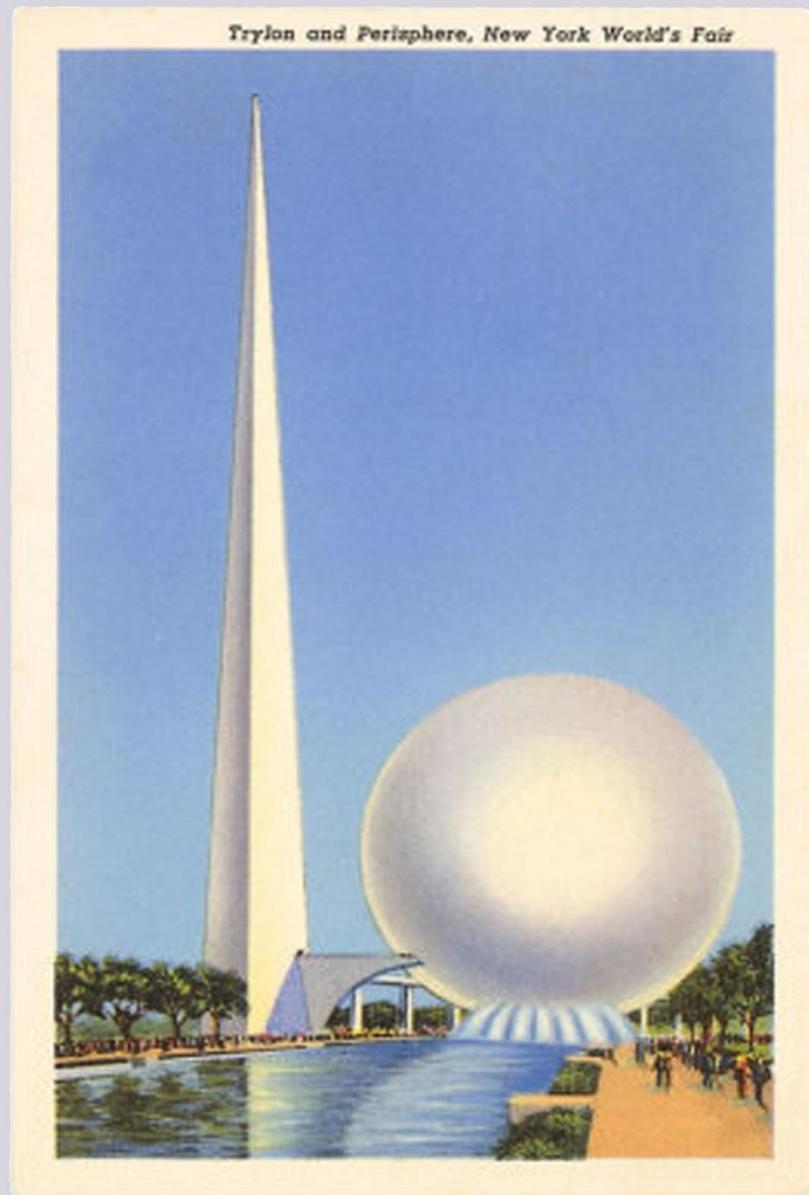
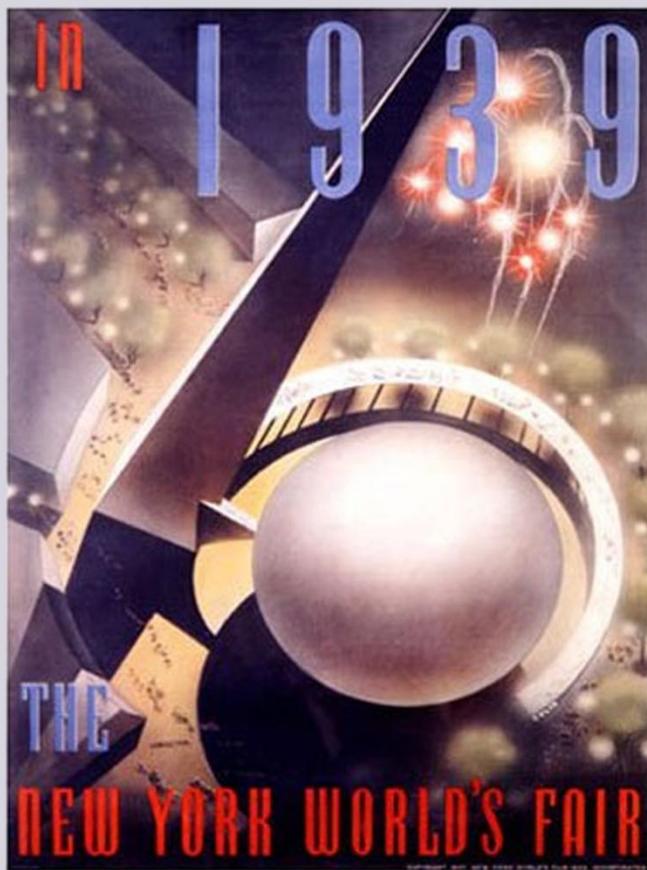
Mareorama - Hugo d'Alesi

- 1900 Paris Exposition
- 2 panorama rolls and moving replica of a 70 m. steam ship
- 700 'passengers'



Trylon & Perisphere - Harrison & Fouilhoux

- 1939-1940 New York World's Fair
- 180 feet in diameter (Trylon=700 feet)
- diorama "Democracy"



Trylon & Perisphere - Harrison & Fouilhoux



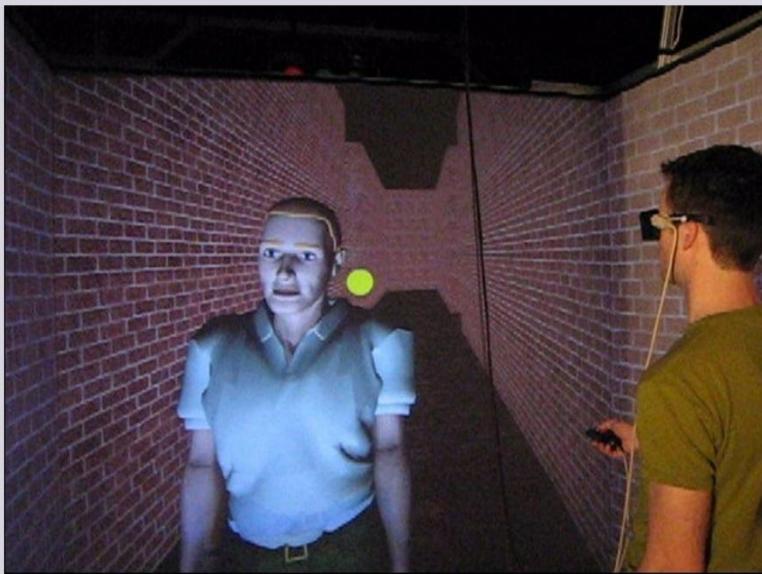
Onmimax / IMAX (Image MAXimum)

- 22 meter breed, 16 meter hoog
- 280 IMAX theaters in 38 landen, 60% VS + Canada (2007)
- soms 3D
- speciale Fisheye lenzen



CAVE

- immersieve virtual reality omgeving
- vernoemd naar de grot van Plato
- vaak gebruikt met Stereoscopic LCD shutterglasses
- computers genereren gekoppelde images, per oog afzonderlijk bekijken
- projectors en spiegels
- Universiteit van Groningen: http://www.rug.nl/cit/hpcv/vr_visualisation/index



ICinema - Jeffrey Shaw e.a.

- verschillende projecten en installaties rond immersieve ruimten en real-time 3D
- EVE, spherecam, IDome, AVIE
- www.jeffrey-shaw.net
- www.icinema.unsw.edu.au
- www.icinema.unsw.edu.au/projects/prj_mining.html



Panoscope 360° - Luc Courchesne, 2005

- single channel immersive display for real-time 3D
- a large inverted dome, a hemispheric lens and projector, a computer, surround sound system
- navigation: a handheld 3-axis pointer/selector
- www.panoscope360.com



Surrounded - Yang Zhenzhong, 2004

- circulaire installatie van acht gesynchroniseerde video's
- onderzoek van de hedendaagse preoccupatie met identiteits- en waarnemingsvraagstukken, en van de kracht van beelden om apathie om te zetten in anticipatie en het gewone in begeerlijkheid.
- www.yangzhenzhong.com

