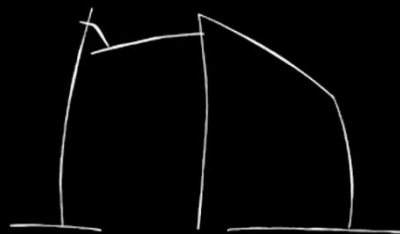




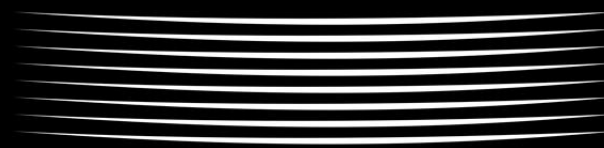
SEPA 2009
Sudekum Planetarium
Adventure Science Center
Nashville, TN

*António Pedrosa
Marco Silva*

*Navegar Foundation
Centro Multimeios de Espinho
Portugal*



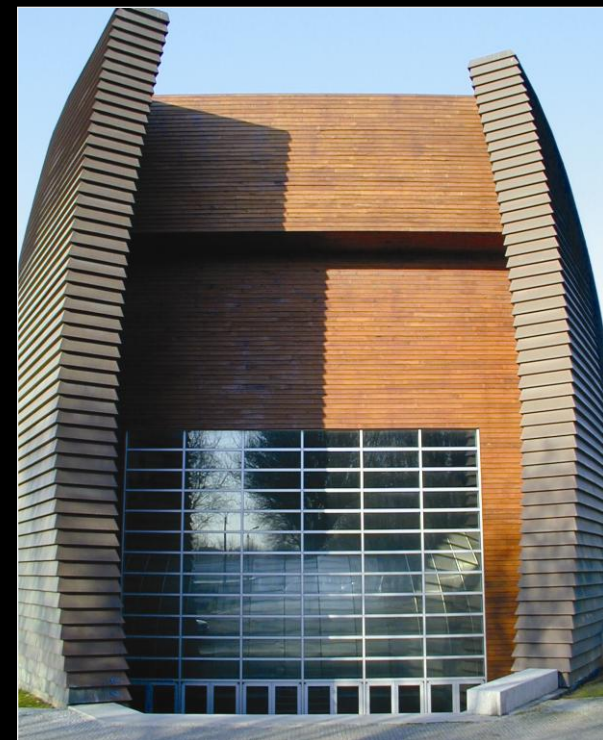
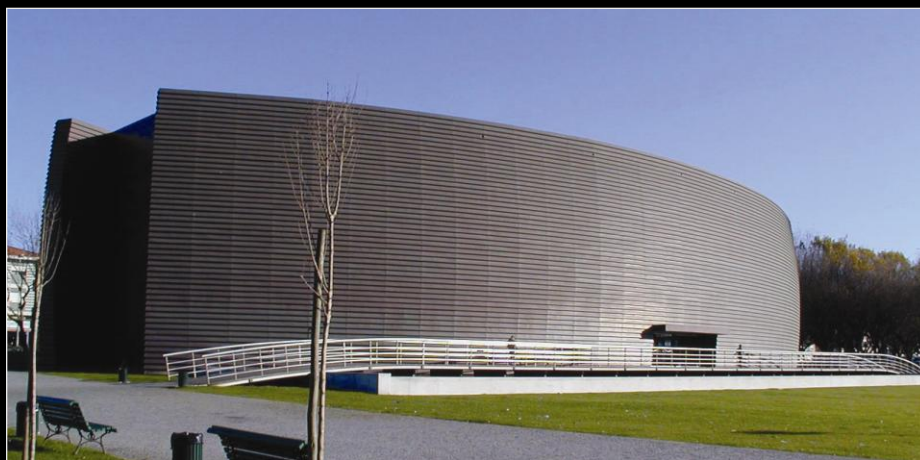
NAVEGAR FOUNDATION



CENTRO MULTIMEIOS ESPINHO

Navegar Foundation

- Created in 2000
- Dedicated to the promotion of Art, Science and Science Awareness.
- Manages **Centro Multimeios de Espinho**



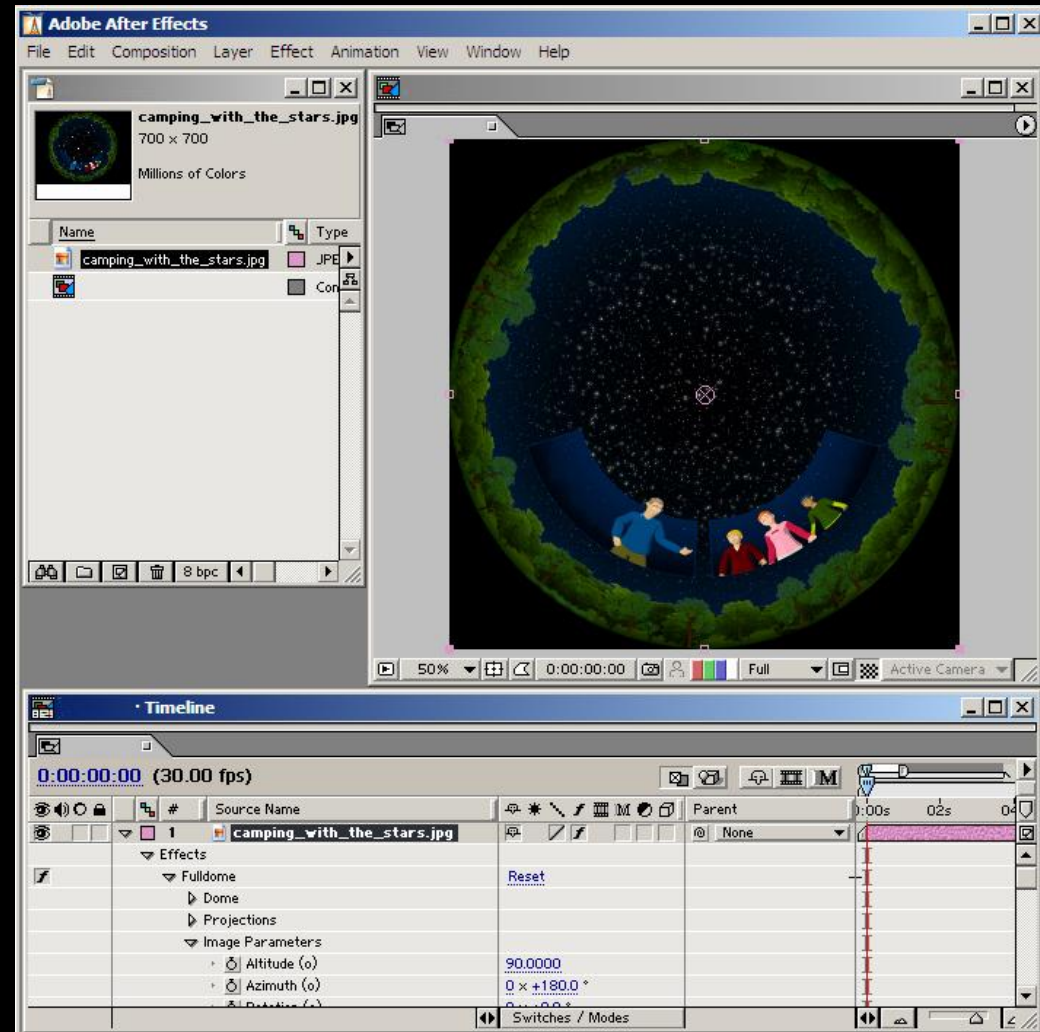
The Planetarium

- 12 meters in diameter
- Standard Planetarium
- Show presentation.
- Content and Show creation.



Basic Tools

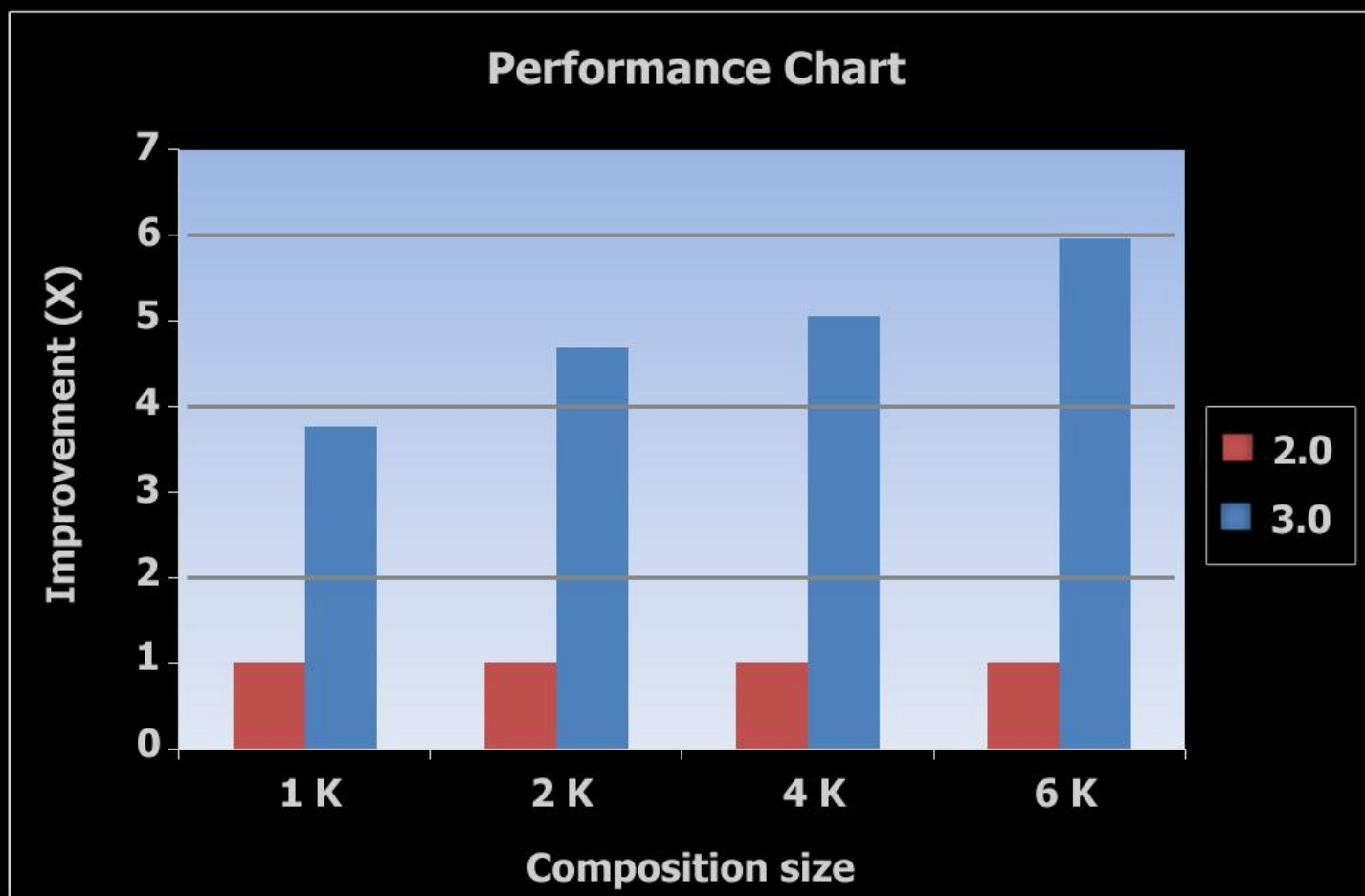
- Editing tool – Fulldome Plugin:
 - Plugin for video compositing.
 - Several projections for the output (Master).
 - Several input since the FOV is usually large.
 - Work in a projection of the dome in the plane.
 - Astronomical features





SEPA 2009
Sudekum Planetarium
Adventure Science Center
Nashville, TN

*Demo of the Plugin
explaining the major features*





SEPA 2009
Sudekum Planetarium
Adventure Science Center
Nashville, TN

Fulldome Plugin new version

-Performance Improvement (preliminary tests):

- 4 times quicker.

- Output projection:

- General off-axis fisheye projection

- Spherical Mirror Projection

software.multimeios.pt

Fulldome
*a compositing plugin
for immersive environments*