SCIENCE ON A SPHERE®

About Science on a Sphere

- More than 160 Science on a Sphere® sites around the world
- 42 million annual viewers
- 500+ datasets including 65 in real-time
- 82% of visitors said seeing information on the sphere changed how they understood the information

Sample datasets

- Hurricane Irma
- Animal Tracking
- Tsunami
- Aurora
- Air Traffic
- Facebook friendships
- Real-time weather
- Snow and Ice
- Ocean Currents
- Planets and moons
- Climate change models
- Narrated movies
- ...and so much more!

getsos.gsd@noaa.gov

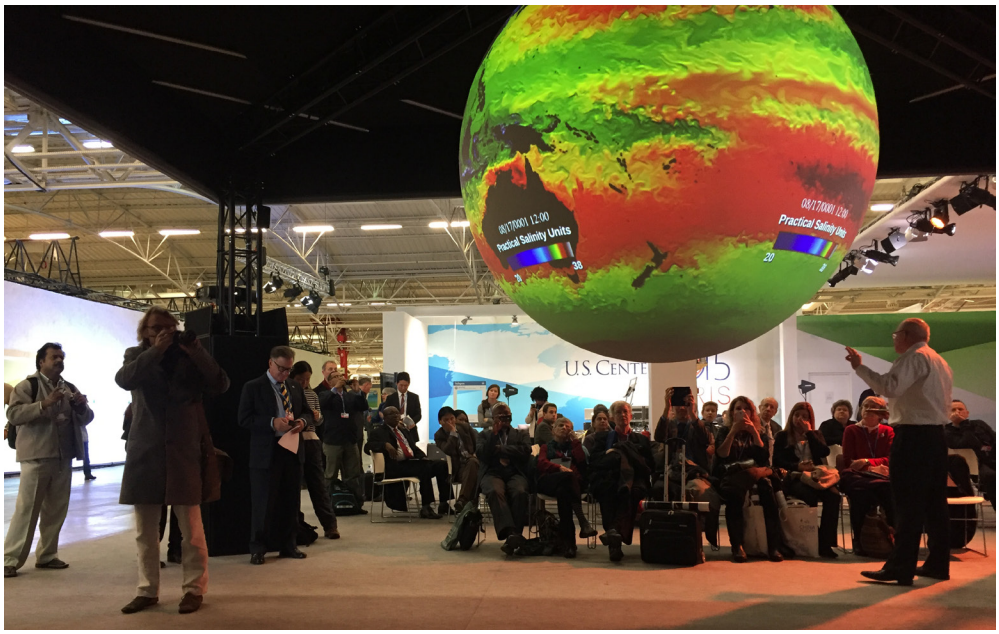
Explore your universe

Features:

Large and expanding data catalog
Installation, training and support
iPad remote app
Live programs
Visual playlist editor
Automated alignment
Off-the-shelf hardware
4K display
Translations for international languages
SOS Users Collaborative Network
Education forum webinars

Earth System Research Laboratories
Global Systems Laboratory

2/5/2020



What is Science On a Sphere®?

NOAA's Science On a Sphere® is a room-sized global display system that uses computers and video projectors to display global data onto a six-foot diameter sphere. The system runs with proprietary software developed at NOAA's Global Systems Laboratory (GSL). The Science On a Sphere® visualization system can be run through an interactive kiosk or iPad for live programs, custom school lessons, and more.

Animated images of atmospheric storms, ocean currents, and tsunamis can be shown to engage viewers and explain complex environmental processes. Science On a Sphere® is used to enhance informal education programs in science centers, universities, and museums around the world.

SOS Users Collaborative Network

The Science On a Sphere® Users Collaborative Network sponsored by NOAA's Office of Education serves as a forum to share information including new content, technical improvements, and evaluations to maximize the effectiveness of Science On a Sphere® as an Earth system science education platform. The network establishes guidelines for creating effective content for spherical display systems. Network members meet in-person about every 18 months to share ideas.

SOS
Science On a Sphere®

For more information:

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