



Agenda

Higher Education and SOS - Carrie Wicker, MSU

Indigenous Peoples' Month - Juan Pablo, NOAA SOS





The desktop features a blue abstract wallpaper with a mouse cursor pointing to a file named 'attendance'. A taskbar at the bottom contains the Start button, a search bar, and several application icons including File Explorer, Microsoft Edge, and Google Chrome. The taskbar also shows system icons for network, volume, and battery, along with the date and time: 3:14 PM, 11/8/2023.

Visible desktop icons include:

- Recycle Bin
- Microsoft Teams
- Photos for Ed materials
- Carrie (Person 1) - Chrome
- Museum employ...
- 2048
- 29-30
- Shop for Supplies - ...
- 33-34
- ChildstimaL...
- 18325
- Zoe NC
- Maya 11 month cfe...
- Field...
- 100
- QGIS 3.26.3
- GEOBROW
- Knowing Nature br...
- HP Color LaserJet P...
- 2-27 class
- 31-32
- Carolyn Wicker P...
- QGIS DeskL...
- Google Chrome
- HP 1/800-400...
- FossilLabAr...
- 42 1264 Gild...
- OWN Programs
- HP Color LaserJet Pro...
- unit meeting map
- OOTM
- Registration
- Books
- eating-wate...
- QGIS Tutorial from Dr. Fle...
- TeamViewer
- Outreach Items 511
- nametaj
- Carrie's comments...
- sign2
- 8-9 KN Registra...
- SGS.OH email
- 35-36
- New Microsof...
- Backgroun...
- books
- email
- SGS Dave Reulson
- TEB01
- Zoom
- Surface Tempera...
- iv9
- constellations
- sign
- item photos
- emails
- 31-32corre...
- attendance
- MSU Branding
- MI SOS Information
- Designing-E...
- content-cre...
- constellatio...
- MSUM-SoS...
- HP Print Scan Doctor De...
- calendar
- FY24
- New Microsof...
- MSU email list



Press Esc to exit full screen

NSF Broader Impacts

Ongoing work: Partnership with Gilad Lab for Science
Festival event

SOS for Teaching and Learning in Higher Ed

Carrie Wicker – MSU Museum

MuCollm

48°F
Cloudy



Search



3:16 PM
11/8/2023

21

MUSEUM

Vision

We envision an MSU community, inspired and informed by the arts and sciences, working collaboratively, creatively, and equitably to solve problems and pursue a better world for all.

Mission

The MSU Museum serves the Michigan State University community by facilitating and creating experiences at the nexus of the arts, sciences, cultures, and technologies.



SOS class visits

- Single visit during class time
- Drop in sessions – flexible times for students
- Ex. GEO 221 assignment using datasets to introduce topics to undergrad students





Preparing the Birch Bark Canoe

Each canoe is made of birch bark and is covered with a layer of cedar bark. The canoe is made of birch bark and is covered with a layer of cedar bark. The canoe is made of birch bark and is covered with a layer of cedar bark.

Preparing the Birch Bark Canoe

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Construction of the canoe

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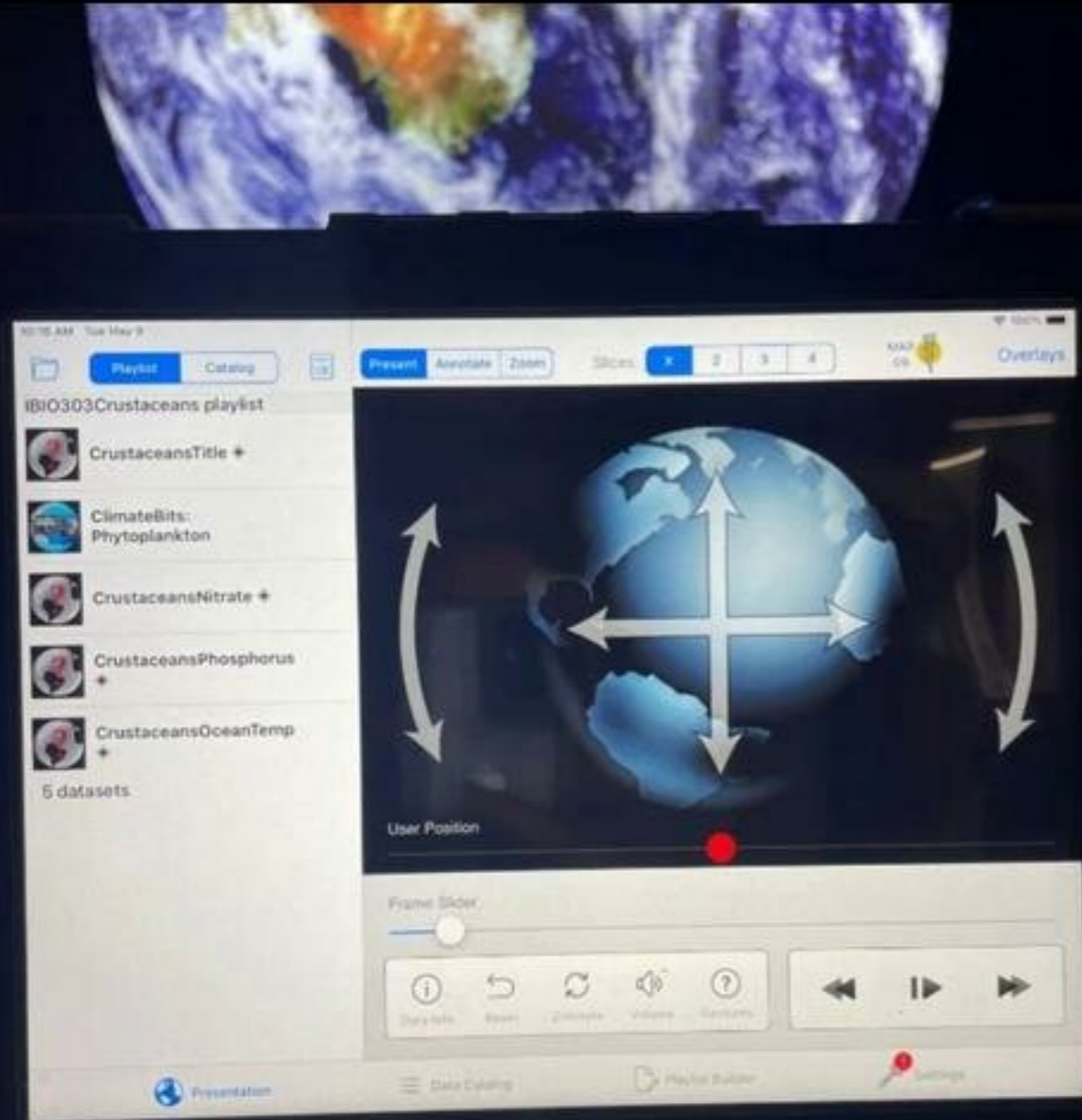
SOS class visits

- Connect with other exhibitions and Museum spaces, depending on availability and class size
- Currently we are making connections with our Smithsonian exhibition, Knowing Nature
- Upcoming: CoLab exhibition Food Fight! Making connections with agriculture related datasets



SOS class visits

- Connection with the 'usual suspects'
- GLG and GEO courses host labs in the Museum/in the SOS gallery during the semester
- Teacher Education classes



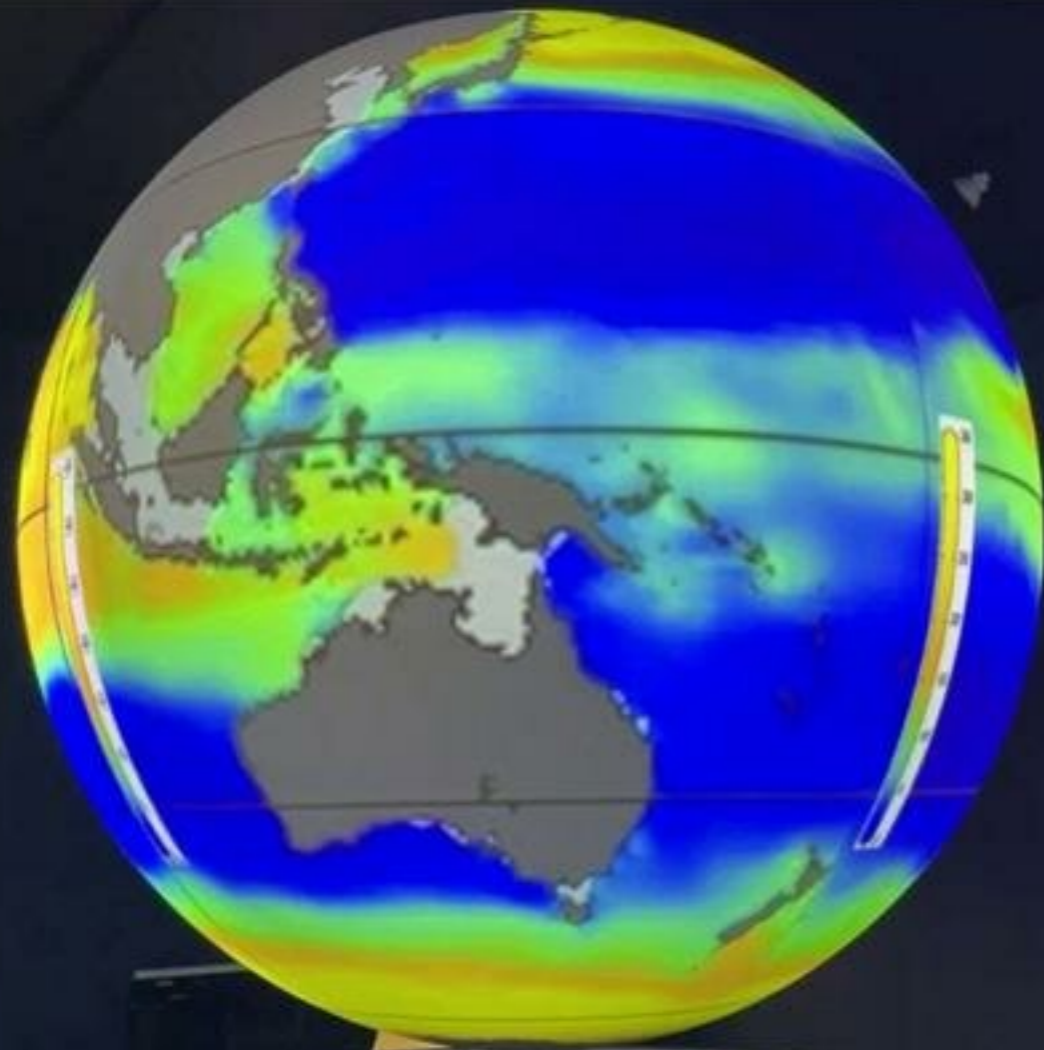
SOS class presentations

- Opportunities for students to research topics and practice communicating data in a new space and context
- Example: Journalism course—emphasis on science communication



Content Development by MSU students

- Partnerships with MSU library to help students learn to use QGIS software



Content Development: Successful collaborations

- Oceanography every fall semester
- Students use a program called Ocean Data View



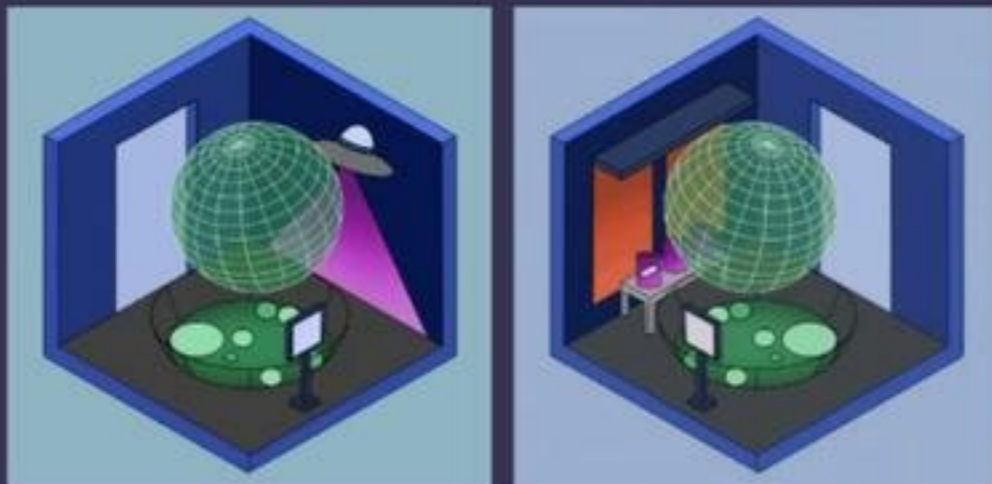
Unexpected Collaborations

- Creative uses for data visualization in partnership with Graphic Design courses
- SOS as a platform for documentary film making students—viewing videos on SOS

Room Mockup

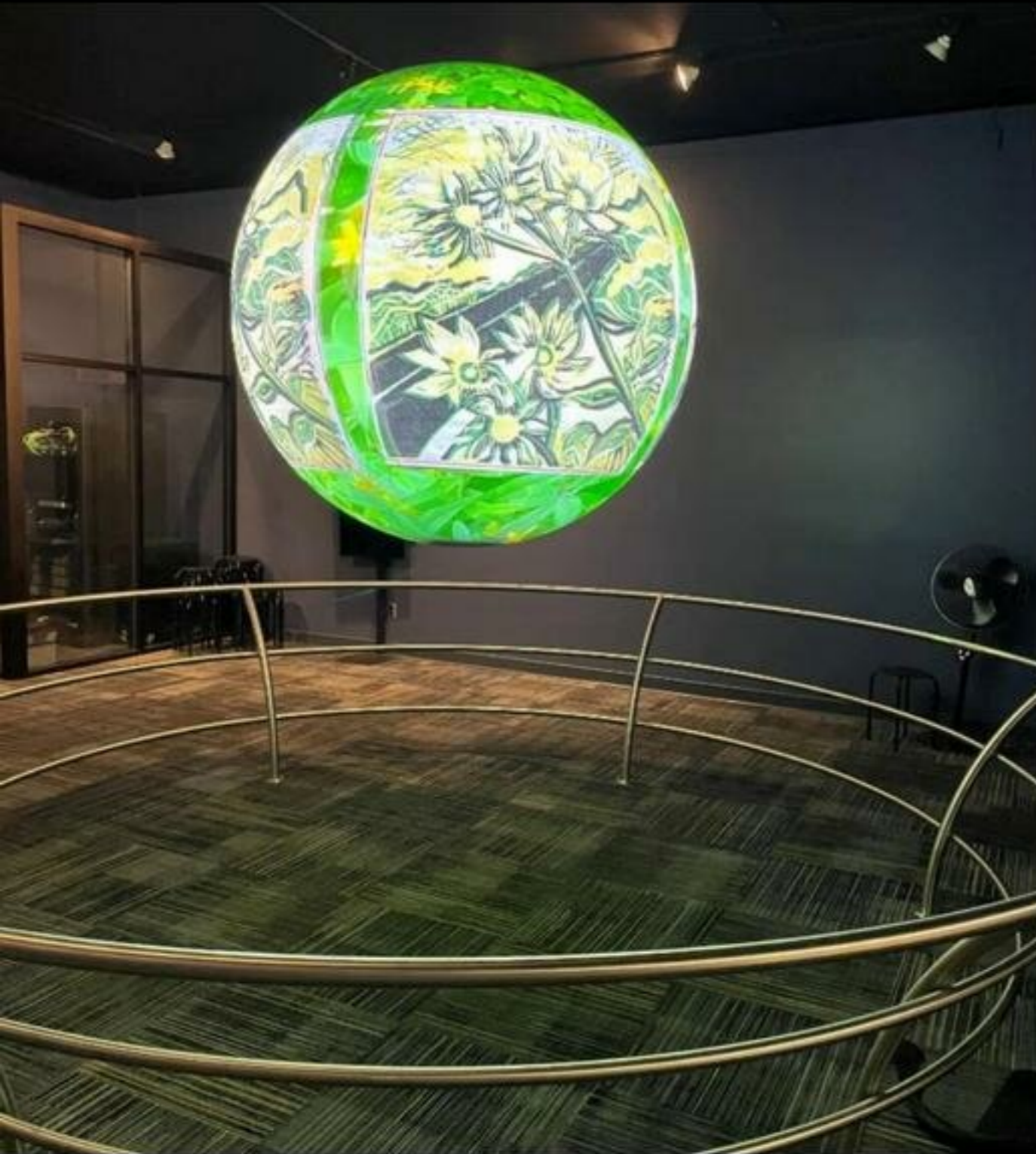


Room Layout



Unexpected Collaborations

- Student work from GD486 – SOS as a model for designing interactive experiences
- Mockups in [Figma](#)



Other uses

- MSU Science Festival
- Students practicing presentation skills—collaboration with Astronomy Outreach students



NSF Broader Impacts

Ongoing work: Partnership with Gilad Lab for Science
Festival event





Summer Immersive Visualization Institute

Partnership with Abrams Planetarium and MSU Libraries
Digital Scholarship Lab





First Fridays for MSU students



MUSALIM

Thank you!

