



NOAA Science On a Sphere Users Collaborative Network Workshop 2009
November 17-19 Boulder, Colorado



Agenda

Day 1 — November 17 @ NOAA Earth System Research Lab (ESRL)				
Location	Start Time	Mins	Topic	Presenter & Presenting Organization
	8:00 AM		Buses pick up at Quality Inn & Suites & the Hotel Boulderado	
ESRL	8:30 AM	0:30	Buses arrive from hotels, coffee and tea available	
ESRL	WELCOME AND INTRODUCTIONS			
GC-402	9:00 AM	0:10	Workshop Welcome	John McLaughlin, NOAA OED
GC-402	9:10 AM	0:10	SOS Program Updates	Bill Bendel, NOAA ESRL
GC-402	9:20 AM	0:30	ESRL & OED Welcomes to participants	John Schneider, NOAA ESRL & Christos Michalopoulos, NOAA OED
GC-402	9:50 AM	0:20	Workshop Agenda Overview & Logistics	John McLaughlin, NOAA OED
GC-402	10:10 AM	0:15	Future of SOS Education Program	Carrie McDougall, NOAA OED
GC-402	10:25 AM	0:30	Participant Introductions	
GC-402	10:55 AM	0:15	Break and snacks	
GC-402	NEW/PENDING SPHERE INSTALLATIONS			John McLaughlin, NOAA OED
GC-402	11:10 AM	1:10	Newest sphere installations	
ESRL	12:20 PM	1:00	Lunch	
GC-402	MAJOR WORKSHOP TOPICS PANELS			
GC-402	1:20 PM	0:10	Introduction to Panels	Carrie McDougall, NOAA OED
GC-402	1:30 PM	0:15	Panel 1 - Best practices in docent/interpreter presentations	Heather Barnes, Chicago MSI; Steve Bishop, Whitaker Sci Cntr;
GC-402	1:45 PM	0:10	Panel 1 - Q & A	Shawn Rowe or Nancee Hunter, Oregon St. Univ.
GC-402	1:55 PM	0:15	Panel 2 - Connections to formal education	Pat Hamilton, Sci Mus. Minn; Abbey Spargo, Ocean Explorium; Gary
GC-402	2:10 PM	0:10	Panel 2 - Q & A	Randolph, GLOBE
GC-402	2:20 PM	0:15	Panel 3 - Connections to other platforms	LuAnn Dahlman, NOAA Climate Prog. Offc; Kirk Bergstrom,
GC-402	2:35 PM	0:10	Panel 3 - Q & A	WorldLink; Matt McBride, NOAA Pacific Svcs. Cntr
GC-402	2:45 PM	0:15	Panel 4 - Understanding learning Impacts	Elizabeth Ban, Smithsonian Natural Hist. Mus; Manjit Goldberg, MD
GC-402	3:00 PM	0:10	Panel 4 - Q & A	Sci Cntr; Shawn Rowe or Nancee Hunter, Oregon St. Univ.
GC-402	3:10 PM	0:15	Panel 5 - Best practices in sphere content creation	Michael Starobin, NASA Goddard; Sue Guevara, Lawrence Hall of Sci;
GC-402	3:25 PM	0:10	Panel 5 - Q & A	Joe Verrengia, Dept. of Energy, Nat'l Renewable Energy Lab
GC-402	3:35 PM	0:15	Panel 6 - Real-time data and interpretation	Dan Pisut, NOAA Environmental Viz Lab; Maurice Henderson, NASA
GC-402	3:50 PM	0:10	Panel 6 - Q & A	Goddard; Patrick Rowley, Nauticus
	4:00 PM	0:30	Networking session around workshop topics and snacks	
	4:30 PM	0:45	Option 1: Tour of NOAA's Earth System Science Lab	Beth Russell, NOAA ESRL
2C-304			Option 2: Projector Alignment "How-to" Session	John Marciniak, MAXatrx Systems
GC-402			Option 3: Continue networking with colleagues	
	5:30 PM		Buses leave for hotels	
	7:00 PM		Optional dinner in Boulder at the Rio Grande Mexican Restaurant	



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Day 2 — November 18 @ NOAA Earth System Research Lab (ESRL)				
Location	Start Time	Mins	Topic	Presenter & Presenting Organization
	8:00 AM		Buses pick up at Quality Inn & Suites & the Hotel Boulderado	
ESRL	8:30 AM	0:20	Buses arrive from hotels, coffee and tea available	
GC-402	8:50 AM	0:10	Review of day's agenda/logistics	John McLaughlin, NOAA OED
SOS SOFTWARE AND DATASETS - NOAA UPDATE				
GC-402	9:00 AM	0:45	SOS Software recent and future improvements	David Himes, NOAA ESRL
2C-304	9:45 AM	0:45	New datasets & other updates to the SOS library	Beth Russell, NOAA ESRL
GC-402	10:30 AM	0:20	Break and Snacks	
GC-402	10:50 AM	0:30	Network-wide Evaluation	Kate Haley-Goldman, Inst. for Learning Innovation
GC-402	11:20 AM	0:20	Evaluation Discussion/Q & A	
GC-402	11:40 AM	0:30	Extended Panel on Creating Interactivity with SOS	Leon Geschwind, Bishop Museum; Eric Hackathorn, NOAA ESRL; Matt Benjamin, Fiske Planetarium
GC-402	12:10 PM	0:20	Interactivity Q & A	
GC-402	12:30 PM	1:00	Lunch and NOAA Science Speaker Dr. Russ Schnell	
SPHERECASTING DEMO				
2C-304	1:30 PM	0:20	Global Meteorology Update via spherecasting	Tom Lefebvre, NOAA Global Systems Div.
2C-304	1:50 PM	0:15	Discussion of spherecasting & COP-15	
BREAKOUT GROUPS - SET 1				
GB-124	2:05 PM	1:00	Concurrent Session 1A - Connections to formal education	
GC-402			Concurrent Session 1B - Real-time data and interpretation	
GC-402	3:05 PM	0:20	Breakout groups report-out	
ESRL	3:25 PM	0:20	Break and Snacks	
BREAKOUT GROUPS - SET 2				
GB-124	3:45 PM	0:45	Concurrent Session 2A - Connections to other platforms	
GC-402			Concurrent Session 2B - Future workshops & meetings	
GC-402	4:30 PM	0:20	Breakout groups report-out	
	4:50 PM	0:40	Option 1: Tour of NOAA's Earth System Science Lab	Beth Russell, NOAA ESRL
GB-124			Option 2: Intro to creating sphere content "How-to" Session	Dan Pisut, NOAA Environmental Visualization Lab
3C-405			Option 3: Projector Cleaning "How-to" Session	Rob Morris, Clark Planetarium
GC-402			Option 4: Network with colleagues	
	5:30 PM		Buses leave for hotels	



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Day 3 — November 19 @ Fiske Planetarium, Univ. of Colorado				
Location	Start Time	Mins	Topic	Presenter & Presenting Organization
	8:00 AM		Buses pick up at Quality Inn & Suites & the Hotel Boulderado	
Fiske Lobby	8:30 AM	0:30	Buses arrive from hotels, coffee and tea available	
Fiske Planetarium	9:00 AM	0:10	Welcome to Fiske	Doug Duncan, Fiske Planetarium & Science Center
Fiske SOS room & planetarium	9:10 AM	0:45	Fiske demonstration of clickers and SOS	
CONTENT SHOWCASE				
Fiske SOS room	9:55 AM	2:00	Content Showcase & Iterative Content Development Process	
		0:15	Sue Guevara & Matt Jacoby, Lawrence Hall of Sci – Docent-led presentation with new data sets and animation	
		0:15	Bryan Kennedy, Sci. Mus. Minn – "Role of Oceans in Earth's climate"	
		0:15	Laura Allen, AMNH – "Forecast: Tropical Cyclone"	
Fiske Lobby	10:40 AM	0:15	Break and Snacks	
Fiske SOS room		0:15	Michael Starobin, NASA Goddard – Clips from "Largest", "Frozen", and "Return to the Moon" or "Largest"	
		0:10	Joe Verrengia, NREL – "Energy Revolution"	
		0:15	Sara Lee, Alaska State Museum – New content for SOS	
		0:25	Leon Geschwind & Brad Evans, Bishop Mus. – Hazards/tsunami propagation maps & demo of new interactive kiosk	
		0:10	Dan Pisut & Lisa Taylor, NOAA - Tsunami content (work in progress)	
Fiske Lobby	12:10 PM	1:00	Lunch	
BREAKOUT GROUPS - SET 3				
Fiske SOS room	1:10 PM	1:10	Concurrent Session 3A - Best practices in sphere content creation	
Fiske Classroom			Concurrent Session 3B - Best practices in docent presentations	
Fiske SOS room	2:20 PM	0:30	Breakout groups report-out	
Fiske Lobby	2:50 PM	0:15	Break and Snacks	
BREAKOUT GROUPS - SET 4				
Fiske Classroom	3:05 PM	1:10	Concurrent Session 4A - Understanding learning Impacts	
Fiske SOS room			Concurrent Session 4B - Creating Interactivity with SOS	
Fiske Planetarium	4:15 PM	0:30	Breakout groups report-out	
Fiske Planetarium	4:45 PM	0:15	Wrap-up and Next Steps	
	5:00 PM		Buses leave for hotels	