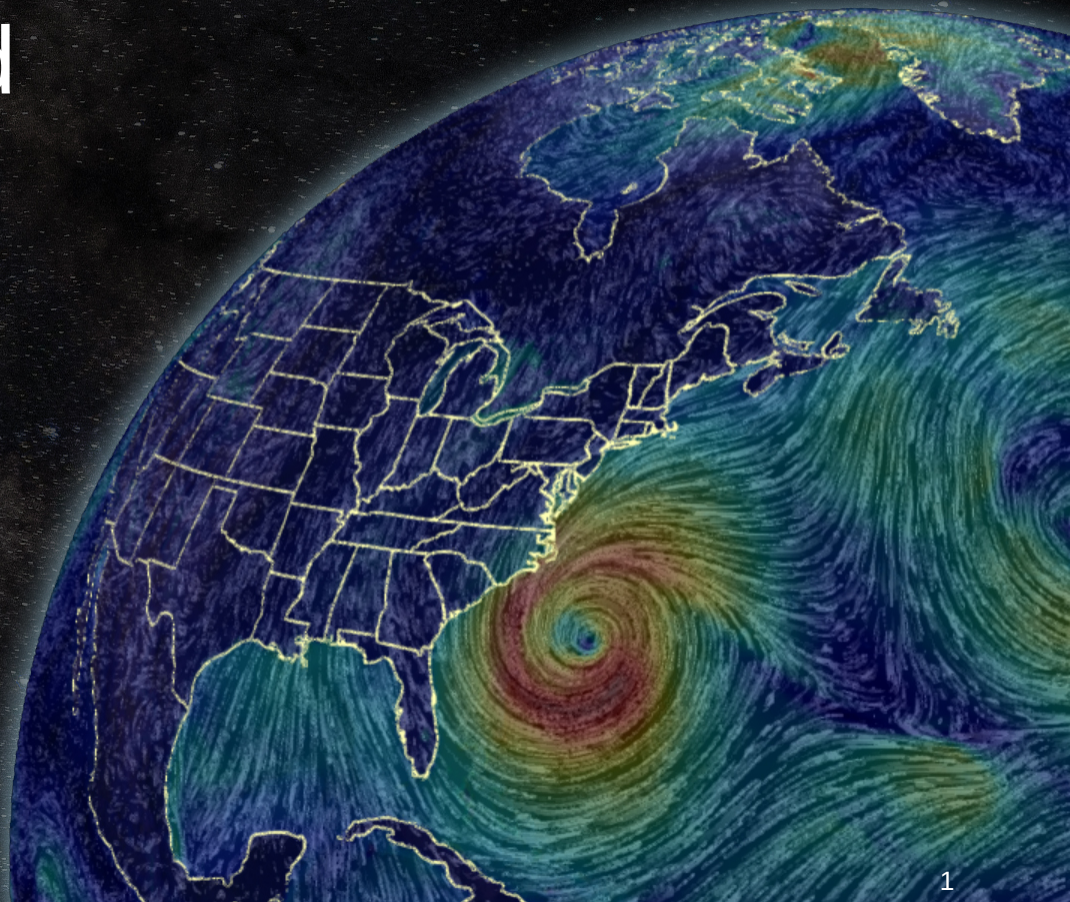
Session 7:

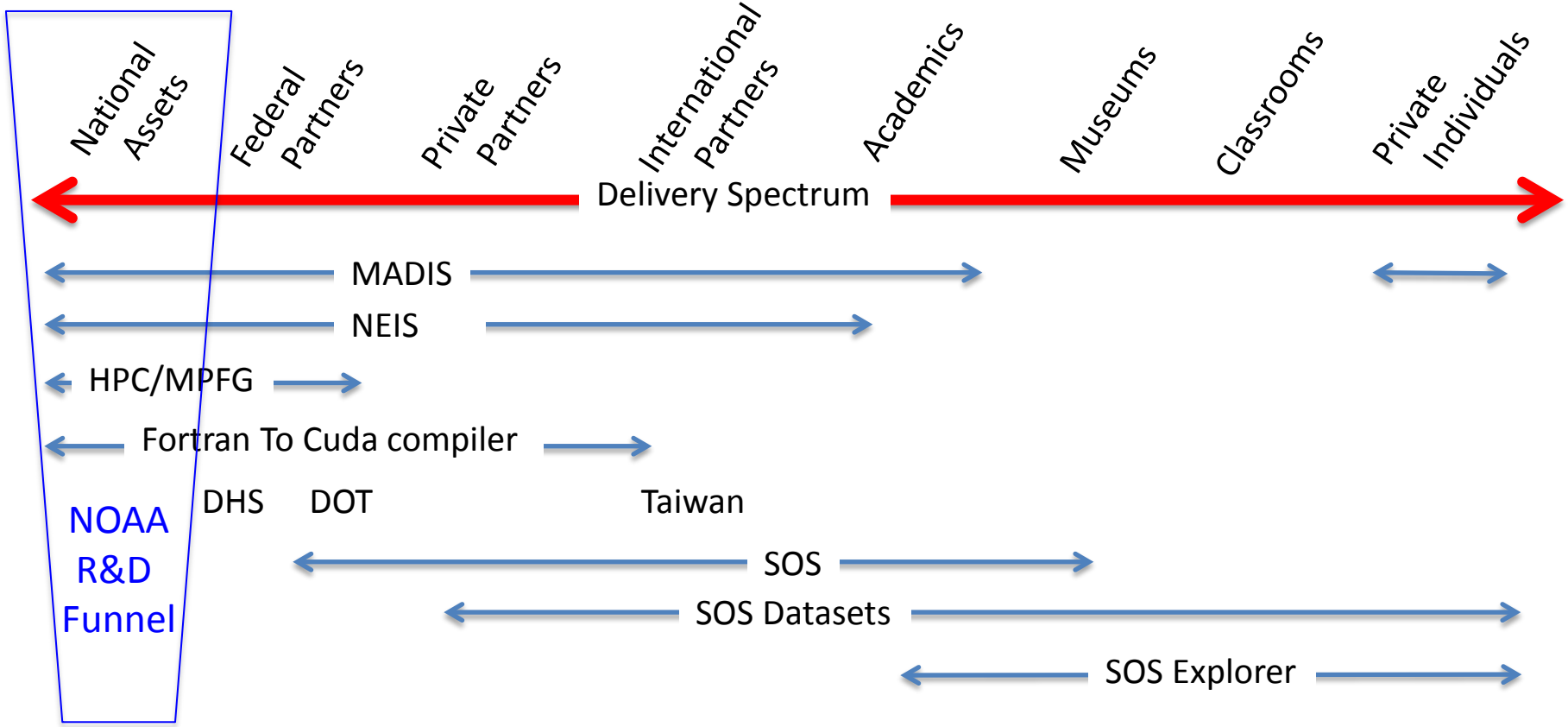
Research to Applications and Outreach



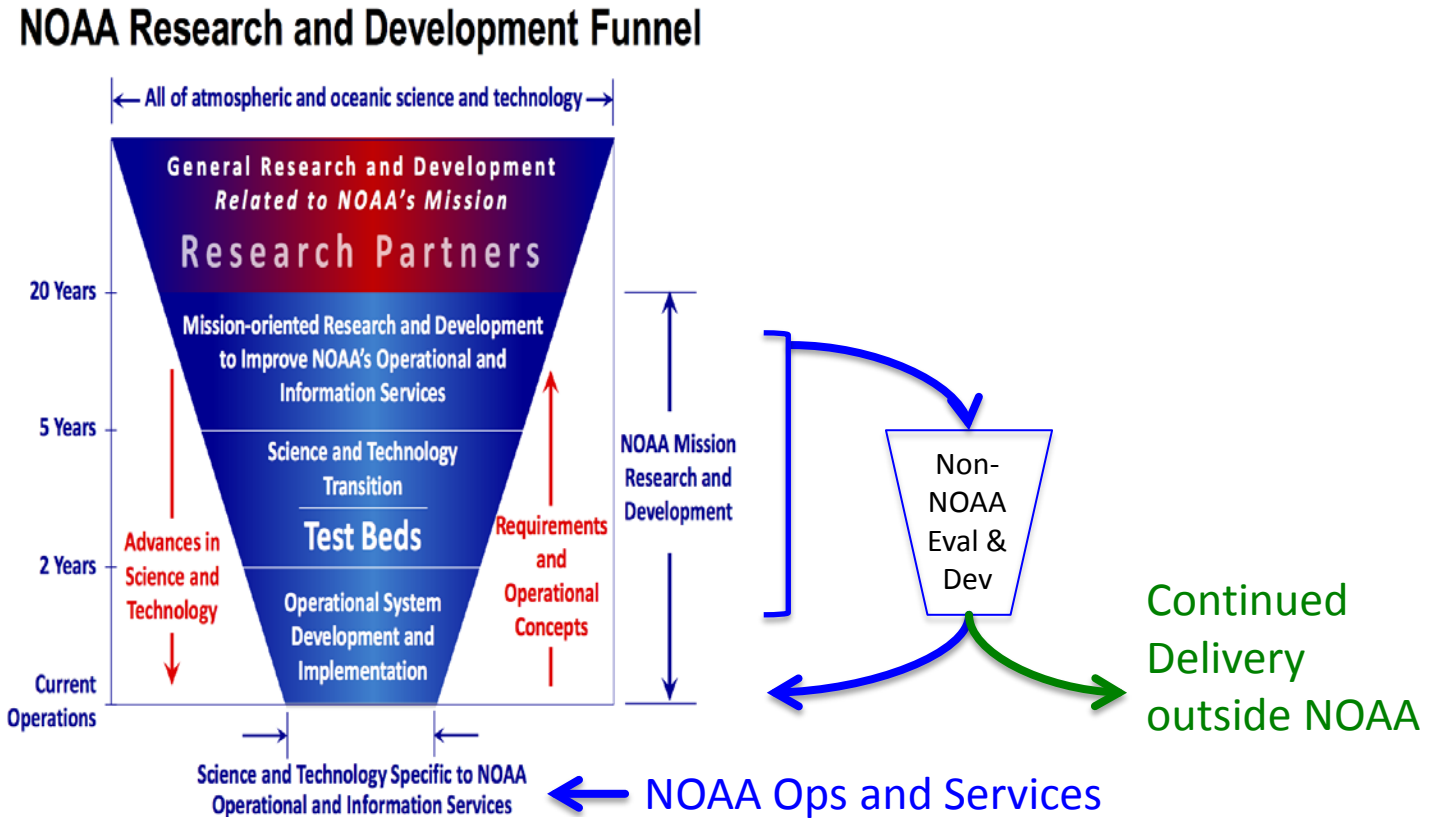
John P. Schneider
NOAA/ESRL/GSD

GSD Science Review
Nov. 3-5, 2015

RTA and Outreach: Delivering



Thinking Outside the Funnel



GSD Delivers: *Many Ways, Many Venues*

NOAA Transitions

ESRL GLOBAL SYSTEMS DIVISION → NATIONAL WEATHER SERVICE

Events

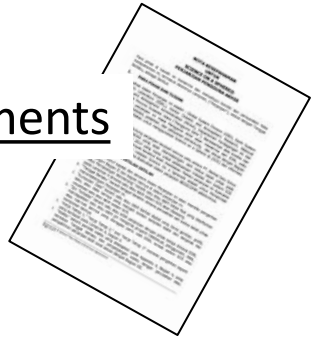
SC15 Austin, TX | World Science Festival | National Science Teachers Association | AGU American Geophysical Union | International CES | PARIS 2015

Social Media

News Media

TIME | CCTV 中国中央电视台 CHINA CENTRAL TELEVISION | GeekWire | THE DENVER POST

Agreements



Software

Distributorships

Data and Datasets

Education

GIRLS & SCIENCE — SPONSORED BY MWH GLOBAL

USPS

Relevance: Customers, Partners & Users

Quality: Recognition and Leadership

Patents

- TerraViz™/NEIS – Pending
- Science On a Sphere®
- Auto alignment technique- soon

Leadership Positions

- SOS Users Collaborative workshops 2015, 2014, 2012, 2010
- Co-Organizer NCAR Multi-Core workshops 2011-2015
- NOAA Representative - Federal Games Guild

Journal Editorships

OpenACC Directives for Accelerators

BAMS

- Bulletin of the American Meteorological Society (BAMS)
- Parallel Computing
- Workshop on Accelerated Programming using Directives (WACCPD)

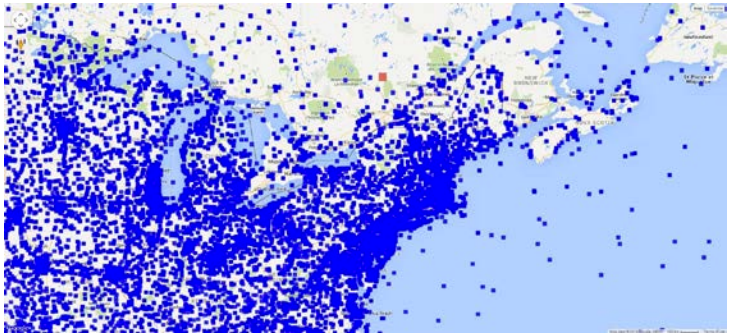
Awards

- NOAA Administrators Award – 2015 – MADIS
- NOAA Bronze Medal – 2015 – SOS
- NOAA Research Employee of the Year – David Himes – 2013
- AMS Editors Award – 2015 – Mark Govett
- Multiple awards – CIRES and CIRA

Invited presentations

- Advanced Computing
- Educational
- Global visualization
- Data management concepts

Real Performance



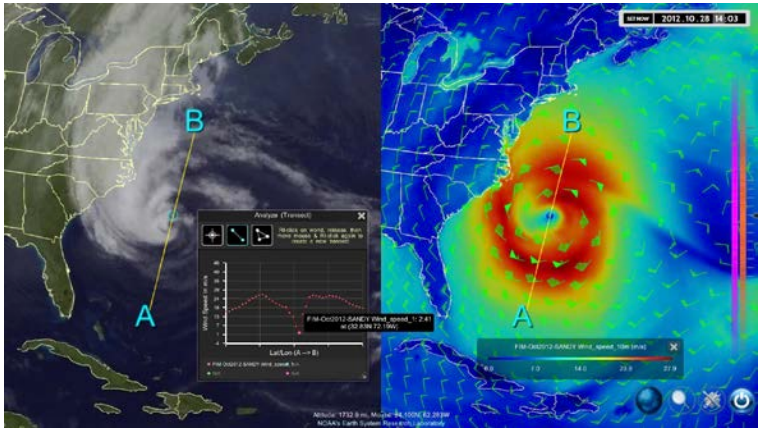
Meteorological Assimilation Data Ingest System (MADIS) Innovations and Path to Operations

– Gopa Padhamadhan – Leon Benjamin

NOAA's International Collaboration with Taiwan

– Fanthune Moeng

Real Performance



Global Visualization with NOAA's Terraviz

– Beth Russell

– Jeff Smith

ePoster Stations

Presenter	Title	Station
Gopa Padmanabhan	Meteorological Data Assimilation Data Ingest System (MADIS) Innovations	1
Leon Benjamin	MADIS Path to Operations	2
Fanthune Moeng	NOAAs International Collaboration with Taiwan	3
Beth Russell	SOS Explorer for Education and the Public	4
Jeff Smith	NEIS Visualization for Professional Users	5