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Happy New Year! The stories listed here were posted on the [GSL News page](#) during the past three months and reflect the work of GSL federal, Cooperative Institute for Research in the Atmosphere (CIRA), Cooperate Institute for Research in Environmental Sciences (CIRES), contract staff, and other partners. Enjoy!

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Spotlight: Major Awards!



NOAA Research
Employee of the Year
Personal and Professional Excellence

DaNa Carlis
Global Systems Laboratory

For personal and professional excellence in leadership and passion for outreach that make NOAA, GSL, and the community a better place for all.

DaNa Carlis: NOAA Research Employee of the Year

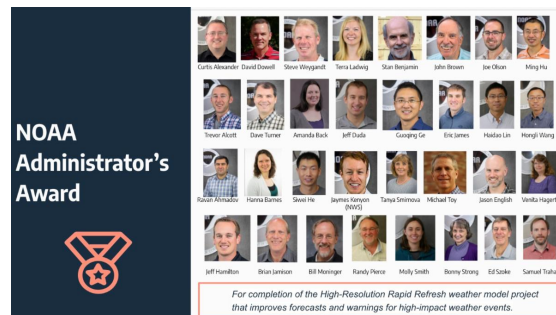
For personal and professional excellence in leadership and passion for outreach that make NOAA, GSL, and the community a better place for all.

[Read the full story here](#)

GSL's modeling team wins the 2021 NOAA Administrator's Award

GSL's modeling team has been honored with the 2021 NOAA Administrator's Award for developing and delivering final upgrades to the first hourly-updated weather model that predicts high-impact weather on an urban scale to help save lives and property.

[Link to full story](#)



NOAA Administrator's Award

For completion of the High-Resolution Rapid Refresh weather model project that improves forecasts and warnings for high-impact weather events.

Congratulations to GSL Retirees

John Brown: GSL's first Scientist Emeritus

Dr. John Brown is retiring after an extraordinary, multi-faceted four-decade career of contributions to the NOAA weather community that has served the nation. He will return as GSL's first Scientist Emeritus.

[Full story here.](#)



GSL's Michael Kraus retires after more than 50 years of federal service

Dr. Michael Kraus is retiring after more than 50 years of federal service and leadership at the Air Force Geophysics Laboratory and NOAA to support tactical and strategic weather decisions.

[Full story here.](#)



Transition to operations



GSL's Science On a Sphere® transitions to operations

Global Systems Laboratory's (GSL) Science On a Sphere® operations began the transition From GSL to the [NOAA Office of Education](#) on October 1, becoming the first official research-to-education operations transfer at NOAA. This flagship education and technology program has long been a shining star for NOAA and our efforts to bring NOAA's global data products to as many people as possible.

[Full story here](#)

Research

New study: Better forecasts lead to smaller losses in work time

A recent study by Colorado State University (CSU) and NOAA's Global Systems Laboratory (GSL) scientists quantifies the economic gains that result from commuters making decisions using more accurate NOAA precipitation forecasts.

[Full story here.](#)



GSL and CSL paper identified as a top ten paper that has influenced the field of tropospheric chemistry



Fully coupled “online” chemistry within the WRF model

Georg A. Grell^{a,*,} Steven E. Peckham^{a,} Rainer Schmitz^{c,} Stuart A. McKeen^{b,} Gregory Frost^{b,} William C. Skamarock^{d,} Brian Eder^e

The 2005 paper [“A fully coupled “online” Weather Research and Forecasting/Chemistry model”](#) published in Elsevier’s Atmospheric Environment was identified as one of the top ten papers that has influenced the field of tropospheric chemistry.

[Full story here.](#)

GSL presents: NOAA-CDC Ventures in Public Health and Weather

On Friday, December 3, Dr. Karen Holcomb will present "NOAA-CDC Ventures in Public Health and Weather: Impacts of vector control and weather on mosquito populations and West Nile virus transmission dynamics."

[Full story here.](#)

