

# History of CIMMS



CIMMS 40<sup>th</sup> Anniversary

November 15, 2018

Jeff Kimpel, Emeritus



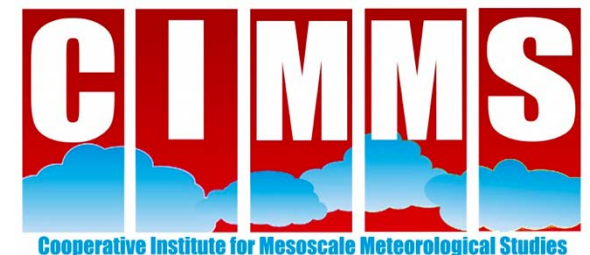
Cooperative Institute for Mesoscale Meteorological Studies



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# Origin of CIMMS

- NOAA Cooperative Institutes established with the founding of CIRES between NOAA and U. of Colorado in 1967.
- Bill Smith heads up a Washington DC NOAA satellite unit and moves it to U. of Wisconsin in 1976 to collaborate with SSEC and Vern Soumi. CIMSS formally established in 1980.
- Rex Inman meets with Bill Smith and works with NSSL to establish CIMMS at OU in 1978. Rex becomes first CIMMS Director.



# CIMMS Directors

- Rex Inman 1978 – 1980



- Yoshi Sasaki 1980 – 1986



- Doug Lilly 1986 – 1991



- Pete Lamb 1991 - 2014



- Randy Peppler (Interim) 2014 – 2017



- Greg McFarquar 2017 - ??







*Host Rex Inman (left), chairman of meteorology, and guest Peter MacDonal, '57 engr, at the National Severe Storms Lab on North Campus. MacDonal, the chief of the Navajo Nation, was*



Betsy Baker

*Douglas Lilly, left, and Yoshi Sasaki, meteorology*



# CIMMS Research Themes

- Weather Radar Research and Development
  - Stormscale and Mesoscale Modeling Research and Development
  - Forecast Improvements Research and Development
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- Impacts of Climate Change Related to Extreme Weather Events
- Social and Socioeconomic Impacts of High Impact Weather Systems



# Challenges of “Dual Citizenship”

- Issues

- Shared equipment



- Insurance --who can drive?
- Evaluation of CIMMS employees working at NOAA locations
- IT support
- Re compete: “Special Award Conditions”– no radar R&D

- More Issues

- Illegal logo



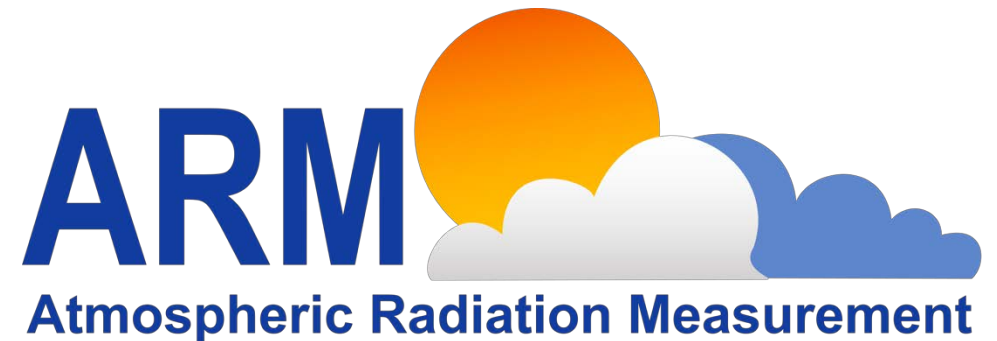
- NOAA can't accept gifts but CIMMS can



- CIMMS Advantage: can consult!

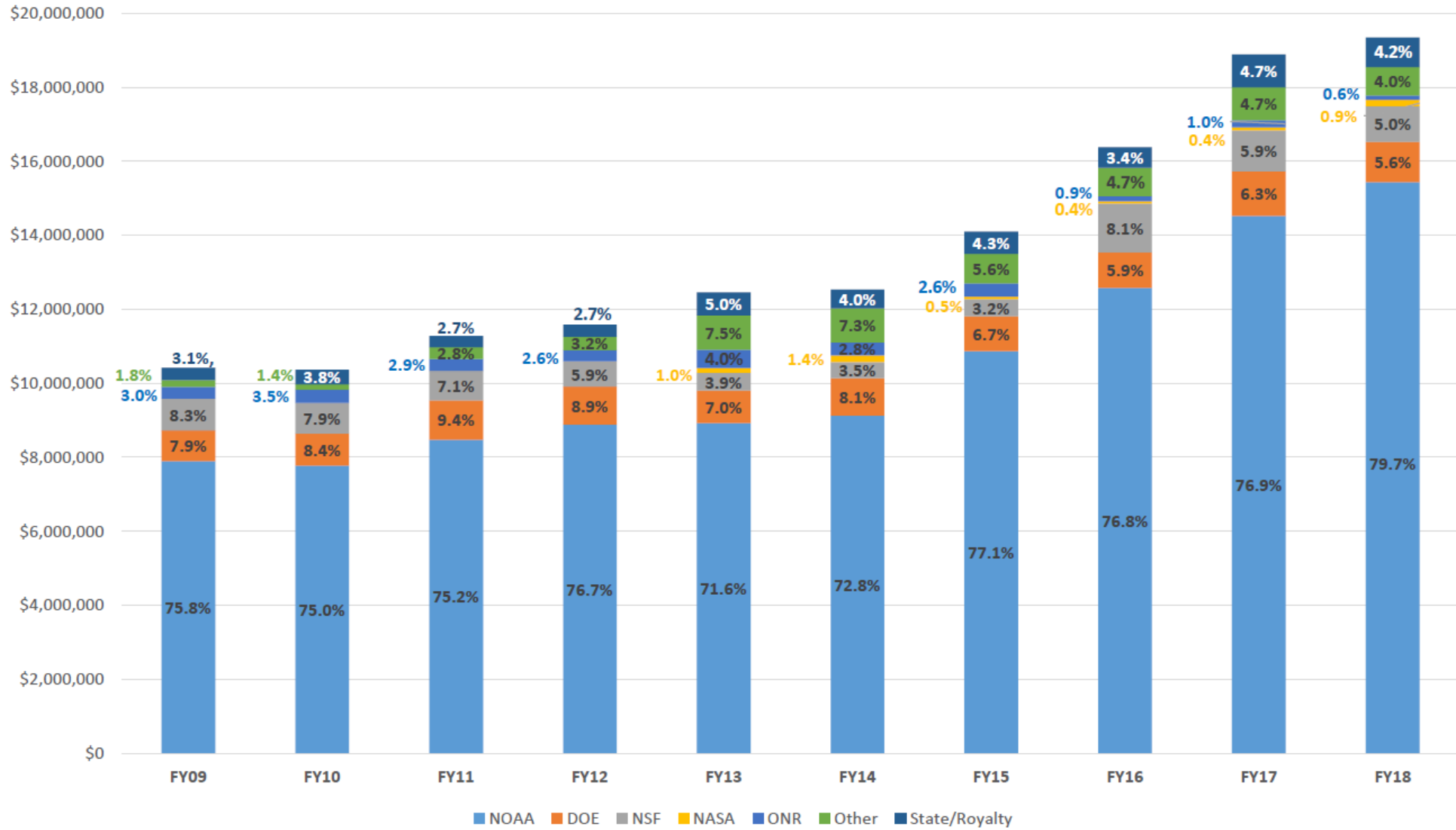
# Other Organizations Born in CIMMS

- Center for Analysis and Prediction of Storms (CAPS)
  - One of first NSF Science and Technology Centers – 1988
  - Doug Lilly PI, Kelvin Droegemeier Co-PI
- DOE Atmospheric Radiation Measurement Program (ARM)
  - Studies role of clouds for climate modeling – 1991
  - Pete Lamb site-scientist for Great Plains facility in Lamont, OK

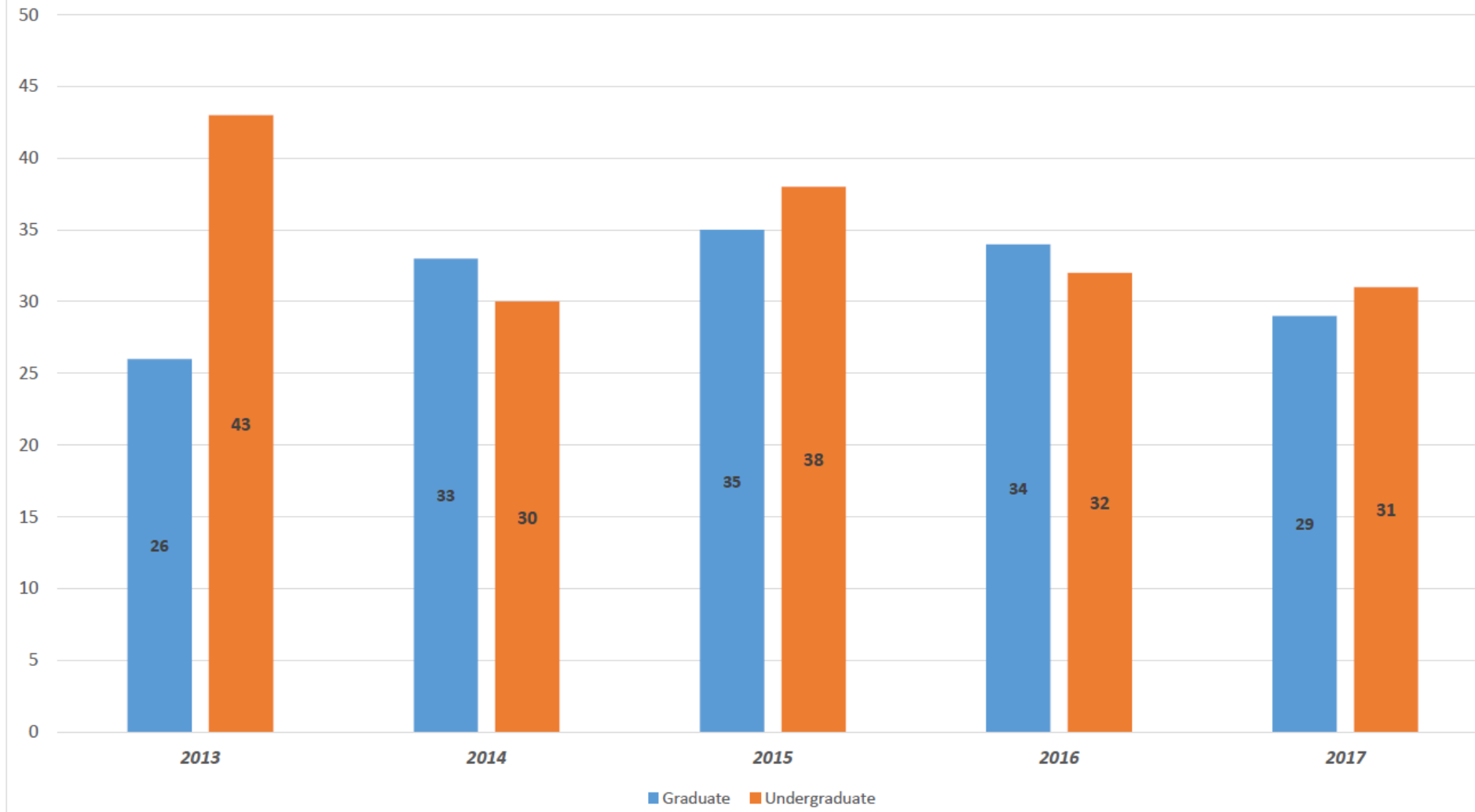




## CIMMS Expenditures by Funding Agency FY09-FY18



*CIMMS Graduate and Undergraduate Students  
2013-2017*



# Closing Remarks

- In 40 years ago CIMMS staff and scientists grew from a handful to 195
- In 40 years CIMMS annual expenditures grew from few \$100k to \$19M
- CIMMS typically supports a third of SOM's graduate students and 30-40 undergrads per year
- Currently 12 NOAA and 6 CIMMS scientists are adjunct faculty
- Federal scientists can submit proposals through OU
  
- CIMMS, the heart of the NWC



CIMMS is in good hands!