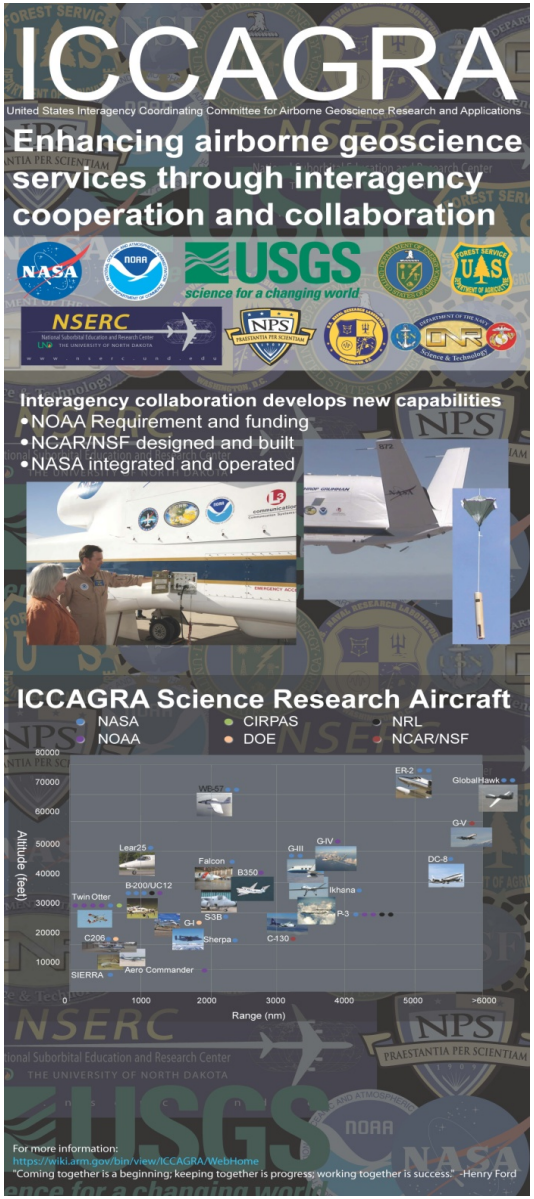
The United States Interagency Coordinating Committee for Airborne Geosciences Research and Applications (ICCAGRA)

Improving coordination and efficiency for US airborne geospatial, environmental and climate research programs

Briefing to Scientific Committee For Oceanographic Aircraft Research (SCOAR)
12 September 2019



"Coming together is a beginning; keeping together is progress; working together is success."

-Henry Ford

Chair
Thomas Cecere
USGS

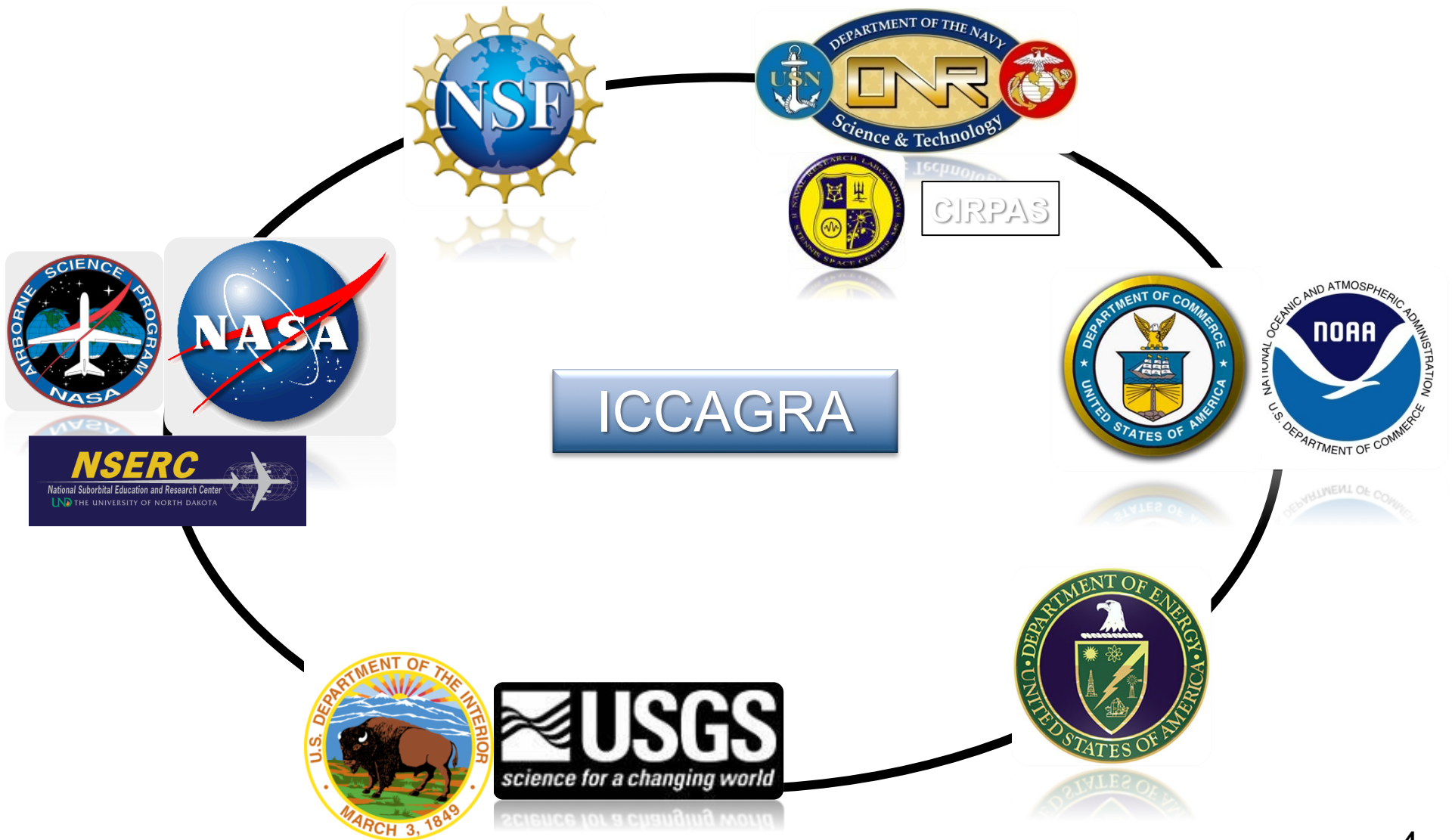
Vice Chair
CDR Rebecca Waddington
NOAA, G-IV Pilot and
Deputy Chief of Operations

Executive Secretary
Position Open

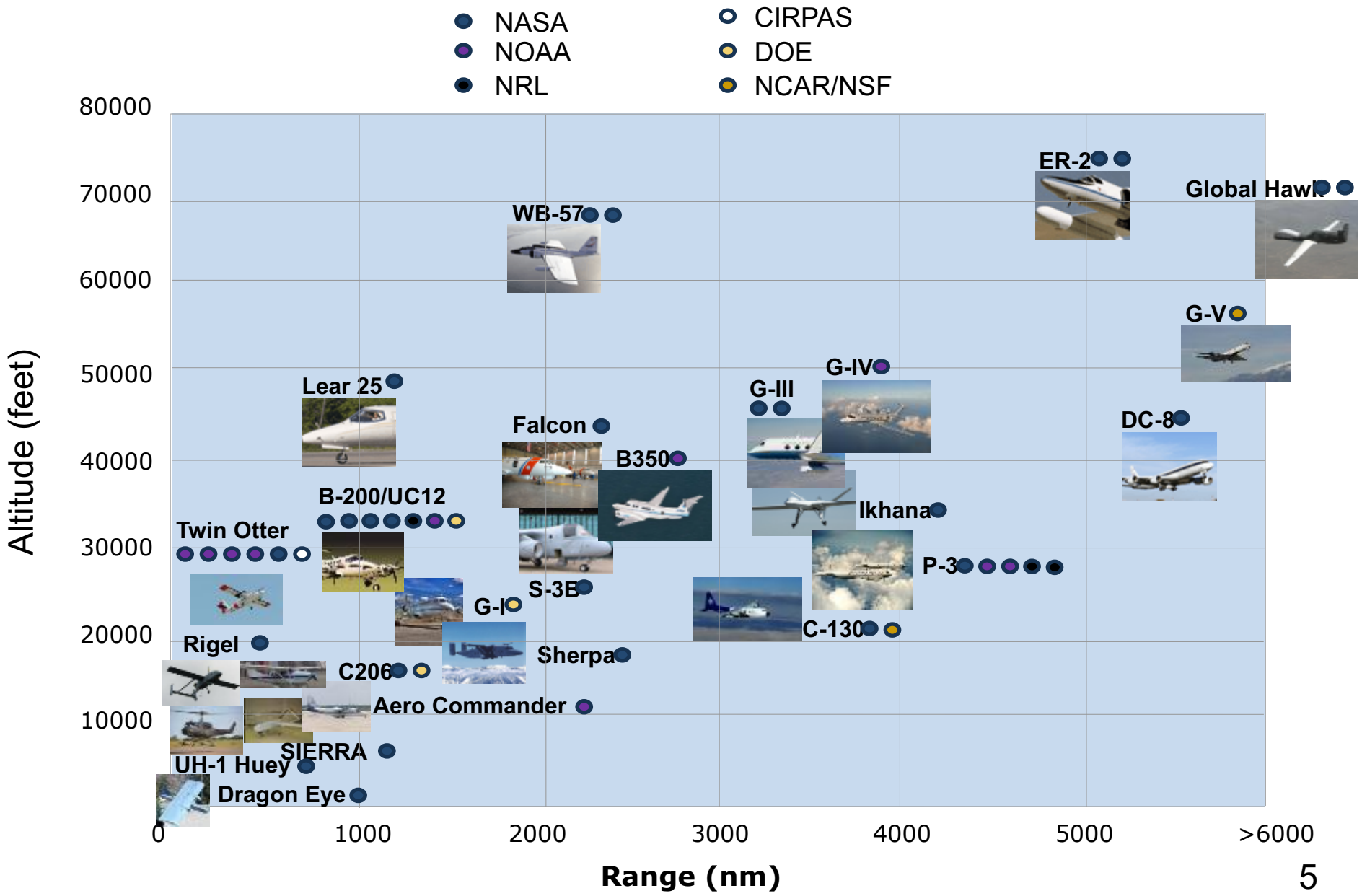
ICCAGRA Overview

- Founded in early 1990s
- Goals of ICCAGRA
  - Improve cooperation amongst US Agencies
  - Foster awareness
  - Facilitate communication
  - Serve as resource for senior level management
- Has no binding authority
  - Agencies voluntarily participate
- Members actively involved in standardizing US and international airborne datasets and instrumentation

ICCAGRA Membership



ICCAGRA Aircraft



ICCAGRA 2019 Updates

- Most recent meeting was in Silver Spring, MD 1-2 May 2019
  - Attendees from: NOAA, USGS, NCAR, NAVY (Office of Naval research, VXS-1, VXS-20), DOE, NSF, USAF (HQ & 53rd), OFCM, NASA, DHS
  - Next meeting – virtual meeting. TBD in November
- NASA Requirements Survey
  - Survey was sent to scientific users in all agencies due to interest in ongoing and future requirements for aircraft to support Agency goals.
  - Purpose: to gain a better understanding of the needs of the research community and to assess unmet needs
  - Results to be briefed at the next meeting

ICCAGRA 2019 Updates

- Interagency MOU
  - Final draft is complete.
  - Next Step: Agency sign-offs
- ICCAGRA Google Site
  - Shared Presentations
  - Agency SME/POC List
  - Operations Schedules
- Topic of Interests:
  - Data Sharing
  - Pilot Retention
  - Volcanic Ash/Salt Hazards
  - Potential ICCAGRA working group to work with EUFAR
  - Public Safety
  - Cybersecurity

ICCAGRA Good News Stories

- Aircraft Acquisitions
  - Gulfstream Users Working Group → NOAA worked with NCAR/NSF and NASA in developing requirements for G550.
  - DOE Received input for their new aircraft.
- Fire Research
  - FIREX (Met & CHEM); BEBOP smoke Plume experiment
  - Lessons learned to be added to ICCAGRA Google Site
- Guam Operations
  - NOAA had issues obtaining a POC at Andersen AFB
  - NRL connected us with several POCs, leading to an MOU being established for future operations.
- NERW
  - Large number of entanglements this past season.
  - NOAA connected NERW PI with VXS-1 to potentially use their Twin Otters

Upcoming Project Highlight: Atlantic Tradewind Ocean-Atmosphere Mesoscale Interaction Campaign (ATOMIC)

- Purpose: Investigate shallow convection and air-sea interaction in the tropical North Atlantic.
- NOAA/NSF working in collaboration with European program
- Operations from Barbados January-February 2020
- Instruments will be deployed from the NOAA P-3, NOAA Ship Ronald Brown and L-3 Latitude unmanned system.

During ATOMIC, NOAA will take measurements from its research ship Ronald H. Brown, P-3 aircraft, and L3-Latitude HQ-60 UAV.

QUESTIONS?