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

Linnea Avallone (NSF) – Chair
CDR Kristie Twining (NOAA) – Vice chair

UNOLS SCOAR Meeting
June 28, 2016
ICCAGRA Overview

- Goals of ICCAGRA
  - Improve cooperation amongst US Agencies
  - Foster awareness
  - Facilitate communication
  - Resource for senior level management
- Has no binding authority
  - Agencies voluntarily participate and voluntarily adopt standards at their own pace
  - Different from EUFAR
- Members actively involved in standardizing US and international airborne datasets and instrumentation
- Each US Agency has developed their own specialties with slight overlaps
ICCAGRA Overview

Membership

NSF

NASA

CIRPAS

DDOE United States of America

NSERC

USGS

U.S. Department of the Interior

Department of Commerce

DEPARTMENT OF THE NAVY

Science & Technology

DEPARTMENT OF ENERGY

MARCH 3, 1848

science for a changing world

ICCAGRA

Founded in 1997
ICCAGRA Aircraft

- NASA
- NOAA
- NRL
- CIRPAS
- DOE
- NCAR/NSF

Altitude (feet):
- 60000
- 70000
- 80000

Range (nm):
- ER-2
- S-3B
- DC-8
- P-3
- Lear 25
- Twin Otter
- Ikhana
- Global Hawk
- G-III
- B-200/UC12
- Sherpa
- Falcon
- WB-57
- G-IV
- B350
- G-I
- C206
- Sherpa
- Aero Commander
- C-130
- Rigel
- UH-1 Huey
- Dragon Eye
- SIERRA
ICCAGRA Working Group

- IWGADTS Working Group
  - Standardized Data Formats
  - Standardized Data Collection Systems
  - Standardized Instrument Integration

- What’s Next?

http://www.eol.ucar.edu/iwgadts
ICCAGRA Priorities

- Fostering cooperation and communication amongst US agencies and international counterparts
  - Semi-annual meetings
    - Next meeting: November at NRL Pax River
  - Interaction with EUFAR
    - Planning for ICARE 2017 – Germany, July

- Development of UAS capabilities for scientific research
  - NOAA and NASA joint work on the Global Hawk
  - Best practices on operations, federal mandates, etc.

- Insure the sustained viability of key assets
  - P-3 re-winging, avionics updates, P-3 engines/props, increased logistics
  - Joint consideration of Federal-wide fleet planning
Interagency collaboration develops new capabilities:
- NOAA requirement and funding
- NCAR/NSF designed and built
- NASA integrated and operated
Interagency mission collaboration:
Brings more capability to bear observing complex weather and climate phenomena

NASA, NOAA and USAF partner in El Niño rapid-response mission
“Coming together is a beginning; keeping together is progress; working together is success.”

-Henry Ford

Chair
Linnea Avallone
NSF

Vice Chair
CDR Kristie Twining
NOAA

Executive Secretaries
Matt Fladeland
NASA
&
TBD