



THE UNIVERSITY OF ARIZONA
**Earth Dynamics
Observatory**

2019 Retreat
March 27, 1:00 PM – 8:00 PM
Hacienda del Sol Guest Ranch Resort

Agenda

1:00 Welcome [Moderator: Jack Holt]

Introductions

Overview of today's agenda and goals

- Identify new funding to target
- Strengthen EDO at UA

1:15 Small projects/opportunities (<\$10M)

MODERATOR: Ali Behrangi

Bill Smith: 6 min

1. NASA terrestrial ecosystems (ABOVE science team)
2. DOD/SERDP—Water in the West
3. In progress: NASA ECOSTRESS Science Team

Ali Behrangi: 8 min

4. NASA MEaSUREs
5. NASA GRACE / GRACE-FO
6. NASA NEWS
7. NASA WEATHER
8. NASA AIST
9. NASA PMM

Xiquan Dong: 8 min

10. NASA CERES project (TOA radiation budget)
11. DOE CMDV (MCS cloud properties)
12. NSF (Aerosols, clouds and their interactions)
13. In progress: NASA CloudSat and CALIPSO
14. In progress: NASA Remote Sensing Theory for Earth Science
15. In progress: DOE ASR 2019

Ave Arellano: 4 min

16. NASA ACMAP projects on Air Quality/Greenhouse Gas (AQ/GHG) Emissions Monitoring from Space
17. In progress: NASA CMS on Fossil Fuel and Biomass Burning CO₂ in support for CEOS Atmo_{Comp}-Virtual Constellation (AC-VC) OSSEs

Lynn Carter: 3 min

18. NASA MaTISSE

Jack Holt: 3 min

19. NASA Operation IceBridge

Jekan Thanga: 3 min

20. CatSat CubeSat

Russell Chipman: 3 min

21. NASA MAIA

Audience discussion: Upcoming opportunities to target (in context of focus areas listed above)

2:15 Big projects/opportunities (>\$10M) (10 min each)

MODERATOR: Jack Holt (with EV overview)

- A. Funded projects
 - 1. EVS-3 ACTIVATE (Armin Sorooshian)
- B. Proposals in progress
 - 1. EVI-5 Zephyr (Joellen Russell)
 - 2. EVC-1 (Xiquan Dong)
- C. Upcoming opportunities to target
 - 1. EVM-3 (Jack Holt)
 - 2. EVM-3 (Xubin Zeng)
 - 3. NASA EVS-4 (Ali Behrangi, Jack Holt)
 - 4. CubeSat (Jekan Thanga)
 - 5. Defense-related (Austin Yamada)
 - 6. Getting into orbit: industry opportunities (Stephen Fleming)

3:45 Break

4:00 Identify key projects to advance

MODERATOR: Bill Cutlip (recently retired NASA/Goddard Manager, Earth Sciences Line of Business)

- A. Reaction to presentations, recommendations for moving forward, link to Decadal Survey, moderate the discussion that follows
- B. Identify action items, responsibilities, time line

5:00 EDO and the UA strategic plan

MODERATOR: Rick Bennett

- A. EDO network accomplishments and plans (30 min)
 - a. Education and outreach (10 min)
 - i. Student design-to-launch initiative (Jack Holt)
 - ii. Incorporating environmental policy (Lynn Carter)
 - b. Community networking (10 min) (Betsy Woodhouse)
 - i. speaker series
 - ii. website, newsletter
 - iii. Ideas for future events (mission and other workshops, themed seminars)
 - iv. Solicit feedback
 - c. Building on momentum (Rick Bennett)
- B. Ensuring the Success of EDO: Panel discussion/Q&A (A Comrie, J Hunter, K Ogden, T Swindle, X Zeng) (60 min)
 - a. EDO in context of the UA strategic plan (Kim Ogden) (5-10 min)
 - b. EDO-Arizona Space Institute relationship (T Swindle) (5-10 min)
 - c. EDO-Future Earth initiative relationship (X Zeng) (5-10 min)

6:30 Reception/cash bar followed by dinner