



AEROKATS and ROVER Education Network (AREN)

Wayne RESA, Wayne MI- Monthly Status – February 2017



Need(s) or Areas to Watch

- Website development: AREN is preparing a public web presence for the GLOBE website. This will complement the AREN Project website where AEROKATS and ROVER licensing, ordering, training resources, GIS, and other project design, engineering and team collaboration tools will reside. The AREN Project website will direct traffic to the AREN GLOBE site for general and GLOBE related content -- <https://www.globe.gov/web/aren-project>
- Rethinking “Making” – Using NASA technology, integrated with GLOBE, to do projects that students are passionate about.
- Sallie Smith (GSFC) will be conducting a Mission at Sea in the Pacific Ocean near the Equator from 2/16/17 - 4/15/17. She is taking the NASA Direct Readout Hannah Multiparameter Water Quality Meter to take Ocean sea surface measurement and will use AEROKATS at Sea for atmospheric profiling and v-tech cloud patterns/sea surface.

Updates/Changes

- Meeting with Evaluator, Anil Aranha, on project evaluation.
- Presented the GLOBE Program (Online Training and Student Research) to 35 people at the Wayne County, MI Science Leaders Meeting.
- AREN PI visited the Kennedy Space Center – Besides having an amazing experience, it provides a great deal of pride knowing that we are all part of the NASA family.
- Contracts for all RESA partners have been distributed. Required work plans and measures of success included.
- AEROPD production process, testing, and technical discussions on Hand Held Weather Stations. Technical Discussion on Beaufort Scales for Data continue. MonoCam production on schedule for 200 units FY 17.
- Update on Project Lead the Way Participation
- Developing a plan on teacher training and citizen science participation
- CBEC continues to work diligently on testing equipment and working with student on site in land cover protocols.
- UMES class has 19 students and is now practicing flying kites.
- MSU is working on aligning GLOBE Cloud Protocols with NISENET protocols.

Look Ahead

- AREN will host the May, 2017 – Wayne County Green Schools Recognition Ceremony – Over 100 schools participate
- Preparing for AREN / Engineering presentation on February 23 to SE Michigan teachers.
- Maker Space becoming available at Wayne RESA in 2017
- Anasphere is gearing up for telemetry tests, checking out FCC regulations, and looking at ways to connect devices via Wi-Fi, Bluetooth, etc.
- Rouge Education and B-WET Projects with Field Test Teachers
- Student Participants in GLOBE Virtual and NSF funded science symposia.

Cross-Collaboration Status

- Team participated in the Earth Science Sub-Group Phone Conference
- AREN Team participated in a phone conference with Arctic and Earth SIGNs (Elena and Katie) to update our projects.
- Update the AREN team on all of our cross-collaborations, and what that means.