

GOM Roses Workshop: HABITAT Session Notes

Collaboration:

1. Use of Machine Learning
 - a. How do you present the information in a manner the user can understand and shows how the solution addresses their issue?
 - b. This is a method of sharing data across projects and presenting data in similar formats.
2. The community needs empirical models that can take raw data and develop products (based on relationships) to address specific needs/issues
3. The community needs more integrated models which will allow the use of data and solutions from one project to be used with another
4. Provide the results from the water quality projects to help validate other studies

End User Involvement

1. Have a forum(s) (for end users) focused on identifying what issues/areas they need addressed. The outcome would be a document similar to the Governors' Action Plan
2. Invite end users to workshops to hear results of projects and provide them an opportunity to brief the scientist on what they need

Topics for future solicitations

1. Forecasting Models
 - a. Climate change and how it impacts priority issues
 - b. Leading indicators of climate change from the priority areas
 - c. Development of integrated models
2. Integrated Models
 - a. Look at impacts of fire on habitats
 - b. Soil Moisture/habitat degradation
 - c. Watershed models integrated with fire models
3. Ocean Acidification
 - a. Impacts to coral reef
4. Using Machine Learning in a DSS
 - a. Taking what the satellite measures and converting it into what the DSS needs
5. Creation of a source imaging warehouse
 - a. Allows the same NASA data to be shared across multiple projects

Questions for ASP

1. Mission 2 Operations
 - a. We need a process to transition NASA satellites to an operational user to ensure continued availability of that data beyond NASA,s original mission goals
2. Need a way to identify what DOD data has been declassified and is available for use