



NASA Energy Management Stakeholder Ideation Workshop

April 27, 2016 | 8:30 a.m. - 4:15 p.m.

Battelle | 2111 Wilson Blvd | Suite 1000, Arlington, VA

8:30 – Bagels, Coffee, and Registration

9:00 – Welcome (Rich Eckman, NASA)

- Workshop Purpose and Outcomes
- Workshop Participant Introductions

9:20 – Diverse Challenges for the Energy Sector (Erica Zell, Battelle)

- Highlighting current challenges from user perspectives

9:45 – Earth Observations for Energy Management (Paul Stackhouse, NASA)

- Brief intro on NASA Earth Observations and Applied Sciences Program and current and past NASA energy application projects
- Available data, models, assimilations, projections

10:10 – Engagement Models for the Earth Science Community (Alberto Troccoli, World Energy and Meteorology Council)

- Examples of models of engagement in the energy sector

10:30 – Break

10:45 – Topic Framing by Stakeholders and Panel Discussion

- Climate Resilient Planning (Guido Franco, California Energy Commission)
- Electric Grid Operation/Smart Grid (Brian D'Agostino, San Diego Gas and Electric)
- Energy Efficiency (Drury Crawley, Bentley Systems)
- Renewable Energy and Grid Integration (David Renné, International Solar Energy Society)
- Universal Energy Access (Silvia Martinez Romero, World Bank)

12:15 – Lunch (Catered)

- Networking, NASA mini-booth
 - Speaker, Nicolas Fichaux, International Renewable Energy Agency (IRENA)
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1:15 – Break into Subsector Focus Groups

Breakout Group Divisions

Group A: Climate Resilience of the U.S. Energy Sector

Group B: Renewable Energy

Group C: Universal Energy Access

Breakout Group Charge Questions:

1. What would you add to the needs already identified in the pre-workshop consultations and discussions today for your Breakout Group's topic?
 2. Which are the highest priority needs for your Breakout Group? Today, and emerging in next 5 years?
 3. What are the barriers to applying Earth Observations to address these needs? (e.g., data issue, decision-support system issue, access issue, capacity building issue, etc.)
 4. How could a NASA Applied Science program focused on Energy help address these barriers?
 5. On potential business models of engagement, do you have any ideas or examples to cite?
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2:30 – Break

2:45 – Reconvene for Report Back, Discussion, Conclusions

- Subsector Focus Group Reports (Group Reps, 15 minutes each)
 - Discussion
 - What are the take-away messages from the group discussion and presentations?
 - What conferences, meetings, publications, or venues should NASA Applied Sciences Program participate in to become more engaged with the energy sector?
 - Identify other potential stakeholders/groups to be contacted or represented in future such workshops.
 - Workshop Conclusions, Next Steps (Rich Eckman)
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4:15– Adjourn

