



**EPRI**

ELECTRIC POWER  
RESEARCH INSTITUTE

## **EPRI Greenhouse Gas Emissions Offset Policy Dialogue Workshop #11**

### ***Creating Nitrous Oxide (N<sub>2</sub>O) Emissions Offsets in U.S. Agriculture***

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## Together...Shaping the Future of Electricity



- U.S. non-profit “501(c)(3)” scientific research consortium founded 1973 to perform **objective electricity research for the public benefit.**
- EPRI has 450+ participants in more than 40 countries around the world. In the U.S., EPRI participants generate more than 90% of electricity delivered.
- Principal locations — Palo Alto, CA, Charlotte, NC and Knoxville, TN

# Goals for EPRI's Offset Policy Dialogue

- Inform key constituencies / stakeholders
- Provide a forum for a facilitated discussion
- Build a common understanding of offset system design elements and issues
- Explore new ideas and approaches
- Discuss potential offset mechanisms



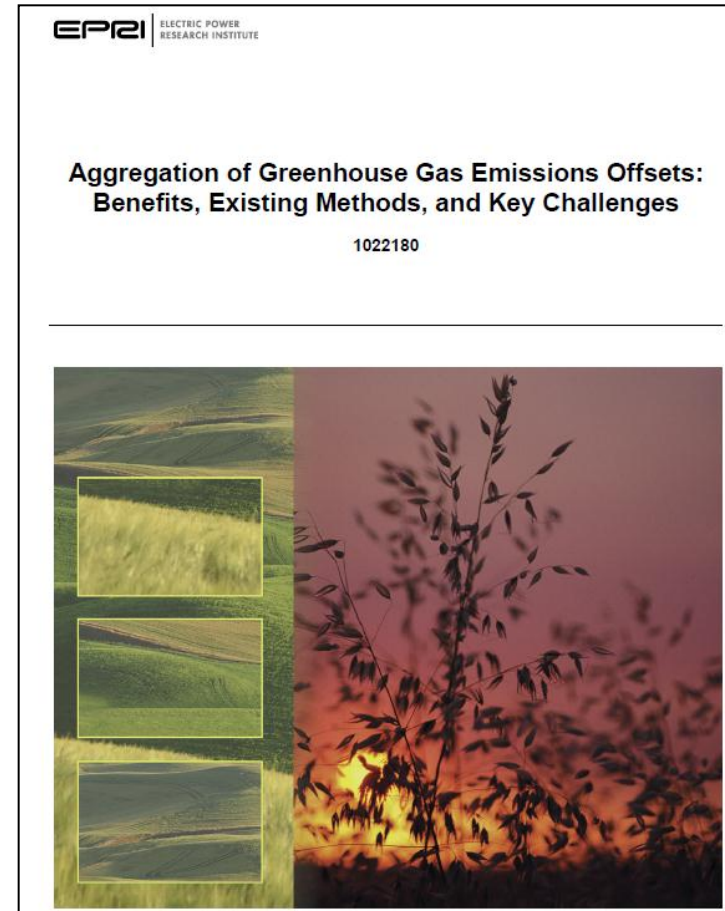
# Workshop 11 – Creating Nitrous Oxide (N<sub>2</sub>O) Offsets in U.S. Agricultural Crop Production

1. Gain better understanding of the potential to reduce N<sub>2</sub>O emissions in agricultural crop production.
2. Insight on strengths and weaknesses of different approaches that can be used to quantify N<sub>2</sub>O emissions reductions associated with N management activities.
3. Gain an understanding of the key components of existing and evolving N<sub>2</sub>O offsets protocols / methodologies.
4. Explore “common practice” N fertilizer management activities.
5. Gain perspectives from the agriculture community about farmers’ willingness to participate in carbon markets and to alter N fertilizer management activities.



# Key EPRI Offsets Documents

- **Aggregation of Greenhouse Gas Emissions Offsets: Benefits, Existing Methods, and Key Challenges.** EPRI document #1022180 (2011).
- Emissions Offsets: **The Key Role of Greenhouse Gas Emissions Offsets in a U.S. Greenhouse Gas Cap-and-Trade Program.** EPRI document #1019910 (2010).
- Key Issues in **Designing Mechanisms to Reduce Greenhouse Gas Emissions from Deforestation and Degradation (REDD).** EPRI document #1017998 (2009).
- The EPRI Greenhouse Gas Emissions Offset Policy Dialogue: **Description of Key Issues in the Design of GHG Emissions Offset Programs.** EPRI document #1015633 (2008)
- **“A Comprehensive Overview of Project-Based Mechanisms to Offset Greenhouse Gas Emissions.”** EPRI document #1014085 (2007).



[http://globalclimate.epri.com/results\\_and\\_publications\\_\\_ghg\\_offset\\_policy.html](http://globalclimate.epri.com/results_and_publications__ghg_offset_policy.html)



# Thank You for Participating

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