Panel Discussion: Comparing Nitrous Oxide Reduction Protocols

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C-AGG/T-AGG/M-AGG Meetings
Crowne Plaza, Chicago Illinois
- C-AGG June 16-17 Meetings
  - Interest generated

- Engagement and Sept 8th Webinar
  - Compared 3 NA protocols:
    - Winrock-American Carbon Registry
    - NERP-Fertilizer Institute
    - EPRI – Michigan State U

- Comparative Summary Table prepared
  - Handout
Objectives:

- To provide an opportunity for N₂O protocol practitioners to share their development stories, in this complex area
- To gain a mutual understanding of the basic assumptions, underlying science, scalability, implementation complexity, costs, risks and certainty for expected projects under the various protocols
- To benefit from what’s been learned by each process, and discuss the areas of convergence and divergence
Today’s Panel

Protocol Development Teams:

- ACR – Winrock scientists; Geo Applied Solutions - Nick Martin presenting

- NERP – ClimateCHECK, KHK Consulting, Fertilizer Institutes; IPNI – Rob Janzen presenting

- EPRI-MSU – Phil Robertson/Neville Millar, Adam Diamant – Adam Diamant presenting
Areas of Convergence

- Include direct/indirect N emissions sources *a la IPCC*
- Do not include soil carbon pools
- Include organic and inorganic N sources
- IPCC guidance followed generally

Areas of Divergence

- Different ‘Tiers’ of Accounting – process models, empirical models
- Different accounting for N Input sources
- Complexity of implementation and data requirements