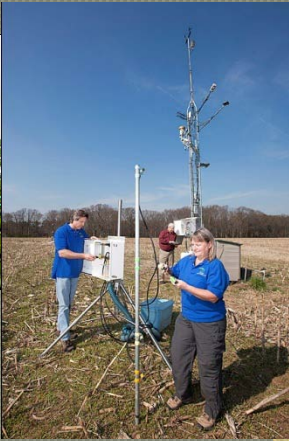


# ARS Air Quality Research Update

Charles Walthall  
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February 2012



# FY 2012

- Location closures: few AQ research impacts
  - Fairbanks, Alaska
  - Shafter, California
  - Brooksville, Florida
  - Watkinsville, Georgia
  - New Orleans, Louisiana
  - Coshocton, Ohio
  - Lane, Oklahoma
  - Clemson, South Carolina
  - Weslaco, Texas
  - Beaver, West Virginia
  - Congressionally earmarked projects



# FY2012

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## ○ Personnel

- Retirements – including “early-outs”
- Left agency for other opportunities
- Offered positions elsewhere in ARS

## ○ AAQTF relevant research continues

*Science marches on.....*

# GRACEnet

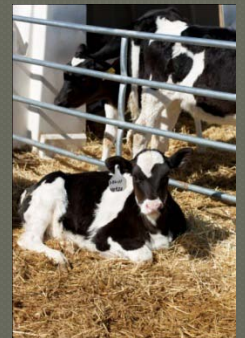
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- Data Management System
  - Adding REAP data
  - Team leader (G. Wilson) retired
  - National Agricultural Library
- Book ready for publication: summer 2012
- Methods to Global Research Alliance (GRA) Crop Working Group
- SY visit to Brazil on collaboration
- GHG Mitigation Options (USDA GCPO)

# Animal GRACEnet

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- ◉ Restart after field season
- ◉ Fact Sheet drafts
  - Proven technologies Review & revision
  - Promising research
- ◉ Methods catalog & standardization
- ◉ DairyGEM webinar planning
- ◉ SY visit to Brazil on collaboration
- ◉ Collaborations & proposals



# Walthall Activities

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- Climate Change Agriculture Impacts and Adaptation
  - ARS & Non-ARS author teams: ~50 authors
  - Literature review update on impacts & adaptation: Science peer review scheduled
  - National Climate Assessment technical reference
  - USDA Report, Refereed journal articles
- National Earth Observations Strategy
- USGCRP



# Future

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- 5 Year research program cycle ends 2013
  - Synthesis & integration: Retrospective report
  - Planning next research cycle
- Future
  - Systems – Soil-plant-animal-atmosphere
  - Building blocks:
    - CAST GHG report
    - Climate change impacts & adaptation report (NCA)
    - Soil biology report: Soil Research Working Group
    - GRACEnet, Animal GRACEnet, AQRWG

# Thank you

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