Presented by
Stephanie J. Connolly, Forest Soil Scientist
Monongahela National Forest
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# 2012 NORTH EAST NATION AL COOPERATIVE SOIL SURVEY USFS UPDATE

# USFS Northeast Partnership Reports

# White Mountain National Forest, NH

- USFS Ecological mapping update:
  - Landtype product level complete and used in forest level planning. Not detailed enough to support project level management
- Partnering with NRCS to address this issue and develop "landtype phase" products, fill in data gaps with SSURGO, work overall to make stronger analyses for NEPA (project started in 2007)
- Joint funding for Soil Inference Model (SIE)
  - 302, 075 acres of LiDAR completed
    - Ë 46,000 acres at 3m / 256,075 at 1m resolution
    - Ë Other uses of this product
      - Carbon sequestration and watershed function analysis
- This effort is Regionally support with strong National interest. Looking to use as a TEST CASE.

# Green Mountain National Forest

- Current Terrestrial Ecological Unit Inventory too broad scale/general to meet analysis needs for project level planning
- To meet these needs:
  - NRCS Partnership
  - LiDAR work (similar to the WMNF)
  - Remapping efforts of Addision County, VT
  - Extend partnership to include Dartmouth College
- Very interested in integrating ESDs as the remapping efforts begin
- Great long term history of cooperation w/ NRCS Vermont and expectations are that this will continue in the future.

# Wayne NF

- Jarel Bartig – Forest Ecologist and Partnership Liaison
  - Latasha Lyte – new Soil Scientist as of September
- Working with Steve Baker (OH State Soil Scientist) and Wayne National Forest to re-establish NCSS partnership in Ohio
- University partner is Dr. David Slater and State partner Scott Hoover
- First meeting in December and currently working w/ MO to establish what the partnership will look like under the restructure. Need a new MOU.
- Gathering existing pedons on Forest to make sure they are entered into NASIS – working with WVU (Thompson staff)
- Starting to conceptualize the ESD work for the Wayne
  - Working with OSU (ECS done in the 90's by Dr. John Hix)
  - Working with Dr. Louis Iverson (USFS Research)
  - FY13 – initiate a work plan

# Monongahela National Forest Field Week 2012

- Week long event with all partners represented including Regional and National offices
  - Soil pits for characterization
    - Analyzed at Charles E. Kellogg Soil Survey Lab
    - University of Maine Soil Testing Lab
    - Penn State Soils Lab
  - Transects
  - Vegetation data collection
- True ESD/LTA collaboration with USFS
- Update mapping to include expanding of soil concepts for interpretations that allow management to look at ecosystem restoration using the state and transition models.

# Other Soil Resource Program Initiatives

- Continue with WVU on student mentoring partnership with Adrienne Nottingham
- Working on securing a project with American Municipal Power to address soil quality restoration and carbon sequestration on the Mower Tract – Lambert Run (Jeff Skousen, WVU)
- Assisted with the National Soil Judging Contest in March with Dr. Jim Thompson, West Virginia University
- General Forest work
  - Red Spruce Restoration
  - Prescribed Fire for Oak/Hickory Restoration
  - Timber Management
- Climate Change and Carbon Sequestration – major emphasis and need to become an expert for soil to explain the role to other scientists and policy makers

# Concerns…Trust…the Future

Actions speak louder than words…