

# NASIS 6.0 Overview

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**State Soil Scientist Meeting**  
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## Released – finally!

- NASIS 6 came online – March 15
- Staging Server/SDW online – April 5-6
- SDM Report Manager – this week ?
- SDV Rule Manager online – April ??

# Release – CCE computers

- NASIS client and SQL Server Express 2005 pushed to user computers
  - as of 3/25, 733 successful
  - Push cancelled 3/29
- ITS can manually install software for missed computers
  - Posted on ITS Team Services webpage

# Release – Non-CCE users

- Download NASIS client install package and install instructions

<http://soils.usda.gov/technical/nasis/downloads/index.html>

- Download free SQL Server Express 2005 software from Microsoft

# Major Changes

- NASIS 6 is a client-server arrangement
  - National database and application on central server in Kansas City Data Center
  - Local database and application on local (client) computer

# Major Changes

- Totally new user interface
  - Resembles MS Outlook
  - Table grid resembles MS Access

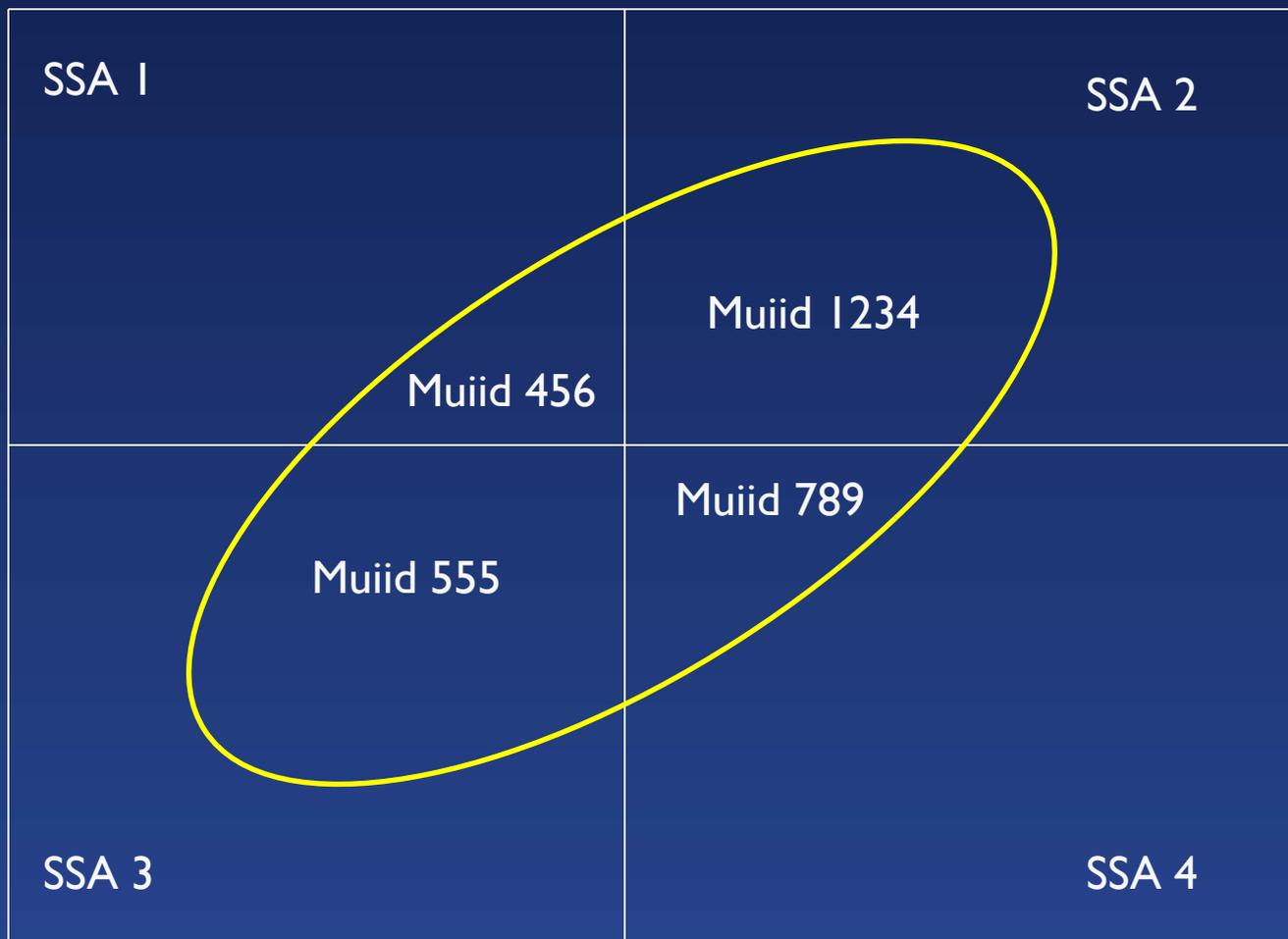
# Major Changes

- Queries and reports can be run against either local or national db
  - Query national db to download data to local db
  - Query local db to pull data into selected set for editing

# Major Changes

- New Mapunit object
  - Map units are now separated from Legend to facilitate data management and editing
  - A single map unit can be linked to multiple legends to facilitate joining
    - Linked via new Legend Mapunit table

## BEFORE



## AFTER



MU 666 is composite map unit

# Data ownership

- New Group established for each MLRA-SSO
  - Ownership of map units in Legends linked to Non-MLRA SSAs, and their rep DMUs have been assigned to these groups
  - Some reassignment along boundaries needed

# National Mapunit Symbol

- NASIS assigns a unique national musym to each map unit in the Mapunit table.
  - Base31 version of Mapunit Record ID
  - Local musym assigned in Legend Mapunit table

# Major Changes

- New Project object
  - Used for managing ‘update’ and ‘initial’ projects
  - Goals and progress are recorded here

# Major Changes

- Project object
  - A project record was created for each Legend linked to a Non-MLRA Soil Survey Area
  - Goals and progress data were transferred

# Goals and Progress

- Problem with dates
  - FY in Goals table displayed as year; but stored as full date/time.
  - FY correct in db, but may show wrong in client due to time zone difference
  - Reports are correct

# Date fix

- Will take new release to fix
- For progress, avoid using first and last day of the month

# Major Changes

- Project object
  - A new Project record should be created for each and every update project developed
    - Map units involved in the Project should be listed in the Project Mapunit table
    - Add Milestones, staff, etc. as appropriate

# Major Changes

- New Tech Soil Services object
  - Allows for recording TSS activities performed
    - Who, what, when, where, outcomes, etc.
  - We can add ‘activities’ to the choice list as needed
    - Contact Paul Finnell or me

# Progress Reports

- Web Soil Survey Schedule application is discontinued
- Progress and goal reports in NASIS have been updated.
- PRS will pull data as before

# Future Work

- NASIS 6.0.1
  - Mainly deals with bug fixes to 6.0.0
  - Likely release in few months

# Future Work

- NASIS 6.1
  - Targeted mainly to point data
    - Rapid Carbon Project data
    - Dynamic Soil Property data
    - Ecological Site Inventory data
    - MLRA-SSO characterization data
  - Analysis and design underway
  - Come to breakout session

# Web Soil Survey

- Version 2.3
  - Allows for import/export of AOI boundary for reuse
  - Changes to accommodate NOTCOM map units and gap fill work by DUs

# Web Soil Survey

- Version 2.4 (if warranted)
  - Incorporate changes to ESD data structure in ESIS
  - Ingest lat/long coordinates from outside application to define location point/AOI

# Web Soil Survey

- Version 3.0
  - Rework of back-end to reduce dependency on ESRI software
  - Possibly go to third-party for imagery – Google, MS, Bing, etc.
  - Better reliability; easier to maintain

# Web Soil Survey

- WSS 3.0
  - SDM report editing
  - More concurrent users
  - Larger AOI

# Questions –

- Bring them up in the break-out session on Wednesday.