

# NIMAC Status

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# Today's Topics

- NIMAC Review
- States
- National Forest System
- International
- Toolkit

# National Inventory and Monitoring Applications Center (NIMAC)

## Review

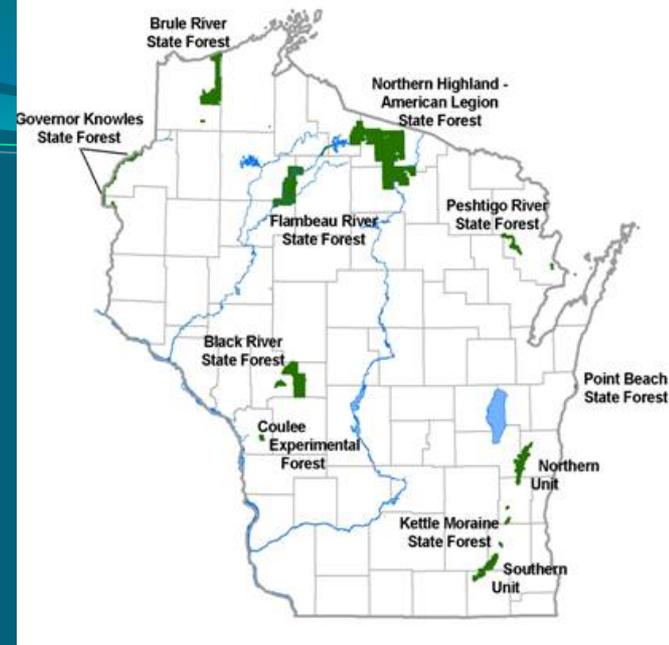
- Linda Heath (newest member of NIMAC) conducted phone interviews of a few of our customers
- Strengths:
  - Extending FIA approach beyond traditional boundaries
  - Meets a real need to maintain coordinated, collaborative efforts across the globe.
  - Go-to place for application type work for FIA approach
  - The one-on-one training was excellent!
  - Credibility that NIMAC brings is enormous

# NIMAC Review

- Realities/Concerns:
  - Time estimates for task completion have mostly been met, but there are a few that took notably longer.
  - Sometimes need follow-up questions answered or adjustments to tools.
  - Ensure institutional predictability. Much money has been invested, and if NIMAC was gone it would significantly hinder work.

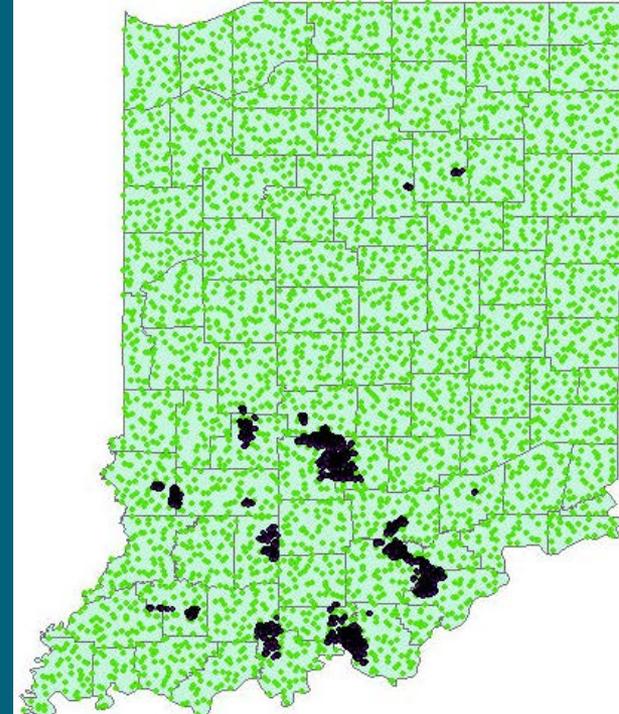
# States: Wisconsin

- Contract crews are in the fourth panel of the second cycle of data collection on their 514,000 ac.
- The third remeasured panel is now being processed by NIMAC and UNLV cooperators
- Data and estimates for the second remeasured panel are available using PC EVALIDator, including some P<sub>3</sub> data.



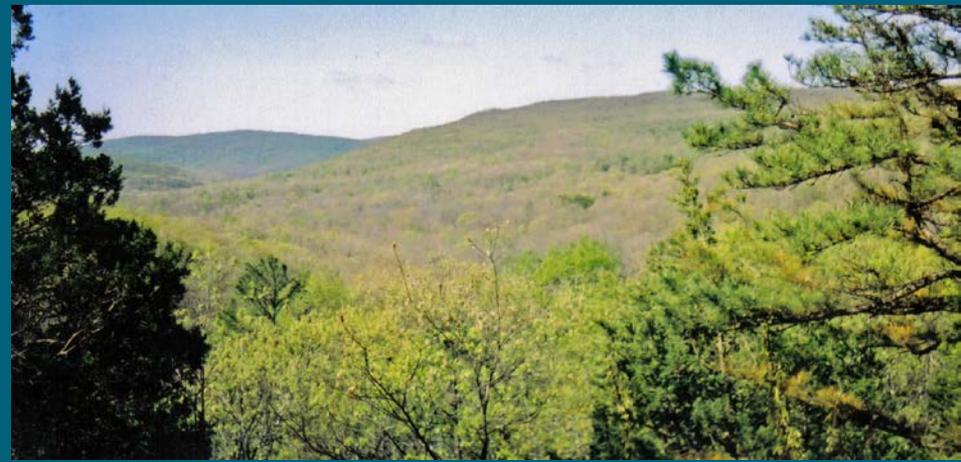
# States: Indiana

- We prepared a PC version of NIMS so they can process the data themselves.
- NIMAC has trained IN DNR on processing the data for use in PC EVALIDator.
- Joey Gallion is doing a great job with little additional help from NIMAC.



# States: Missouri

- Missouri crews have finished the fourth season of fieldwork on 600,000 ac of State Forest land. Fieldwork is done during the “off season.”
- MDC adopted the Wisconsin model of having NIMAC and UNLV do all the processing with NIMS and provide the results using PC EVALIDator.
- We have processed data and have loaded it into PC EVALIDator for analysis.



# States: Massachusetts

- Massachusetts has been doing a Continuous Forest Inventory since the 1950's.
- A professor from UMass used to process the data.
- NIMAC is working with Bill Hill to load the old data and algorithms into PC EVALIDator.
- We will train them on how to load the annual panel of data and analyze the results.

# Northeastern Fish & Wildlife Service

- New agreement to help the FWS in the 13 northeastern states develop an inventory system for their forests.
- They have many refuges covering about 500,000 ac.
- Focus is on the refuge and management unit scales, so this is a new challenge for NIMAC.
- They want to be able to compare results with the surrounding landscapes.

# National Forest System

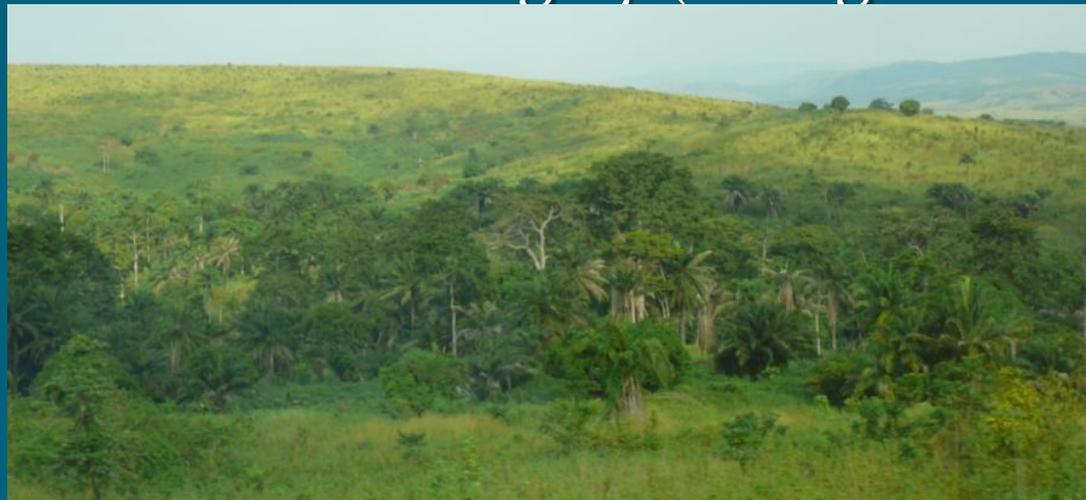
- NFS continues to fund the development of the Design and Analysis Toolkit for Inventory and Monitoring (DATIM).
- FIA has agreed to partner in its development so that it can succeed FIDO.
- Version 2.0 is being installed on USFS servers but won't be available outside firewall for another year. However, access to development version can be arranged.

# International: Tropics

- Primary factor is the financial incentives of REDD+ (Reducing Emissions from Deforestation and Forest Degradation Plus), but others include timber production and conservation of biodiversity.
- USAID & State Dept. are funding the FS, USGS, NASA, Smithsonian Inst., and EPA to provide technical assistance to Peru, Ecuador, Colombia, Viet Nam, Bangladesh, Democratic Republic of Congo, Cameroon, Republic of Congo, and Gabon
- Goal is to reduce carbon emissions and to encourage sustainable use of forests to help keep them as forests.

# International: Tropics

- FIA's role is to provide technical assistance and training, not to do the work.
- NIMAC coordinates the technical assistance for the FS.
- Built an optimal plot design tool which factors in both cost and precision.
- Awarded \$150,000 to research optimal plot design in conjunction with various sources of imagery (hiring post-doc)



# Summary

- NIMAC's role is growing (3 new customers)
- States – continuing in MO and WI. Started in MA.
- Fish & Wildlife Service – new 2-year agreement.
- National Forest System – DATIM development continues.
- International – developing documentation, training and tools. Working on 3 continents in the tropics.

# Questions / Comments

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