Reforestation, Nurseries, and Genetics Resources (RNGR)

NRCS Tribal Advisory Committee Meeting
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United States Department of Agriculture

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Land Acknowledgment

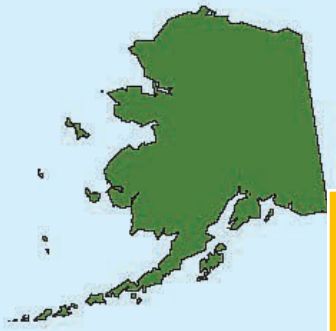
- Moscow Forestry Sciences Laboratory is located on the homelands of the Nez Perce (Nimiipu)

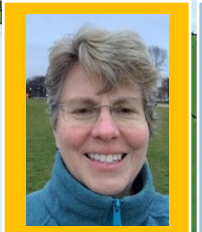
What is RNGR?

(Reforestation, Nurseries, & Genetic Resources)

- Unique, innovative collaboration across all three Deputy Chief Areas
- Use expertise to develop and deliver resources to improving plant materials
- Technology used worldwide

The National RNGR Team





Diane Haase
Western Nursery Specialist

Kas Dumroese
Researcher/
National Nursery Specialist

Jeremy Pinto
Researcher/
Tribal Nursery Specialist

Western Region

Matt Horning
Geneticist

Northeastern Region

Carrie Pike
Northeast Nursery Specialist

Lindsey Colegrove
Southern Nursery Specialist

Vic Vankus
National Seed Lab Director

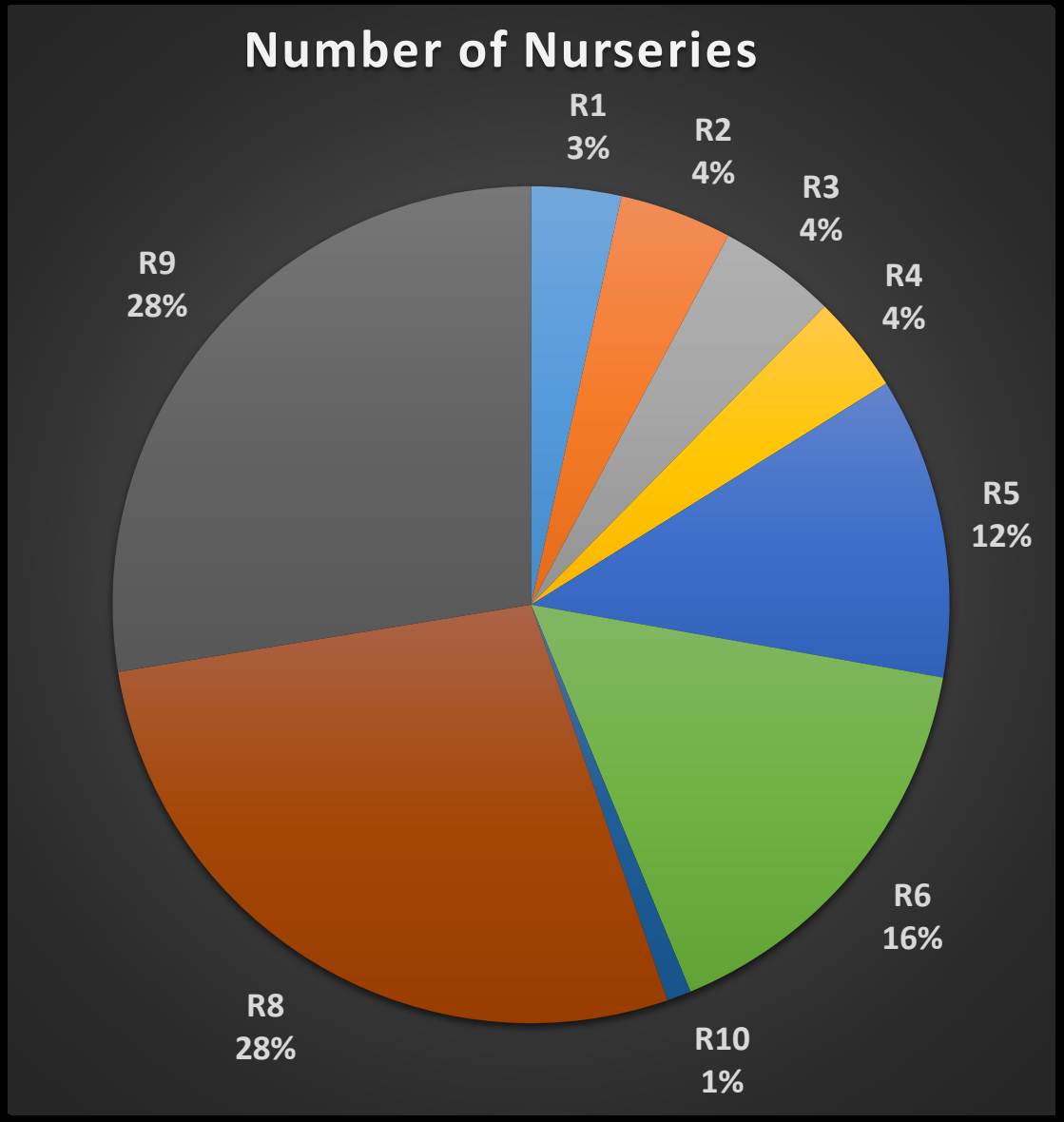
Western Territories (Not pictured)
- American Samoa
- Guam
- Palau
- Federated States of Micronesia
- Northern Mariana Islands
- Republic of the Marshall Islands

Southern Region

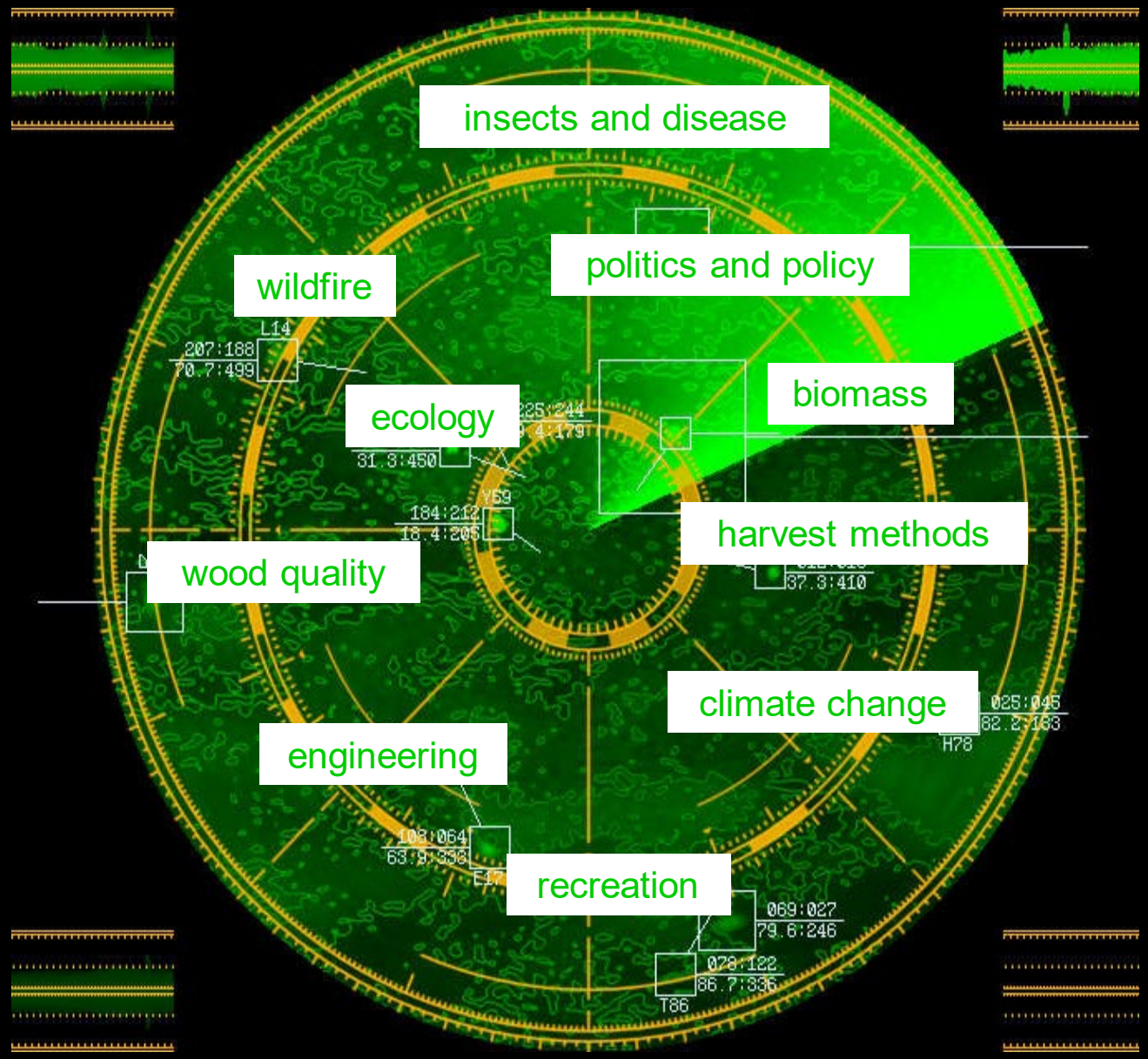
Southern Territories (Not pictured)
- Puerto Rico
- Virgin Islands

Why RNGR?

- Approximately 1500 native plant nurseries in the U.S.
- Produce more than one billion seedlings annually
- Most lack local information resources
- RNGR works to fill the gap



Estimated from number of listings in the National Nursery and Seed Directory (www.RNGR.net)



Nurseries, seed, and seedlings

…much too often off the radar.

Seedlings are the building blocks for nearly all healthy forests and landscapes

Quality Seedling Production Requires Skill and Knowledge

- Plant physiology, morphology, and phenology
- Genetics
- Environment
- Soil quality
- Water management
- Seed technology
- Species characteristics
- Ecotype differences
- Culturing techniques
- Pest Management
- Storage and handling
- Customer relations
- Administration and budgeting

RNGR Activities

- Technical Assistance
- Publications and Presentations
- Annual Nursery Conferences
- Training and Workshops
- Research
- National Seed Laboratory
- International Assistance
- Online Resources
- Assistance to Tribes

Native Plants & Land Management in Indigenous Communities

Historical Management Goals

- Food
- Shelter
- Textiles
- Medicine
- Ceremony

Contemporary Management Goals

- ***Restoration***
- Reforestation
- Wildlife
- Climate change
- Invasive species concerns
- Disturbance

Contemporary Cultural Goals

- Preservation
- Education
- Food
- Medicine
- Textiles
- Economics

RNGR Tribal Nursery Emphasis

Since 2001

- Technical Assistance
  - On-site visits, phone, & email
- Intertribal Nursery Council Meetings, Workshops, & Training Sessions
- Publications

2001 Durango, CO
Southern Ute Tribe

2010 Arlington, WA
Stillaguamish Tribe

2019 Tulsa, OK
Muskogee Tribe

Technical Assistance to Tribes

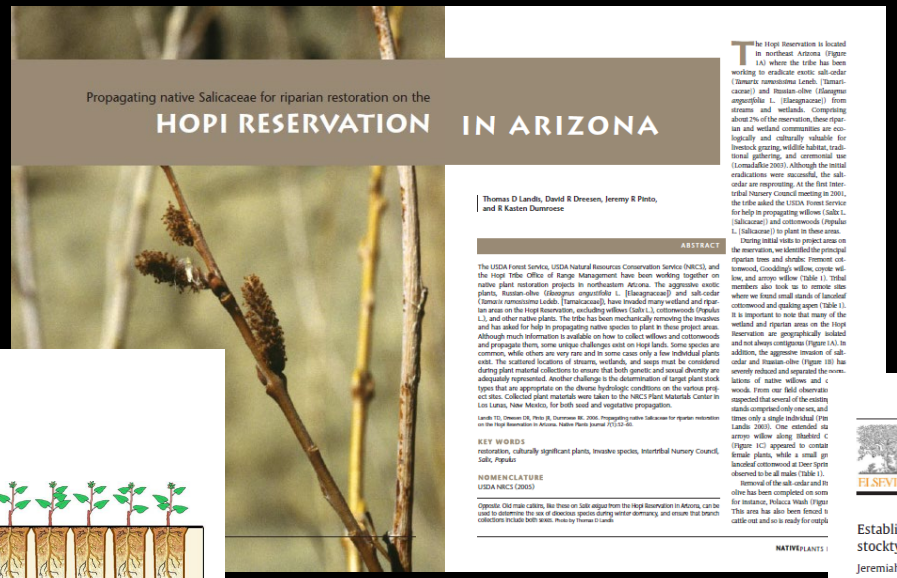
Goal:

- Quality seedlings for the restoration & reforestation of tribal lands

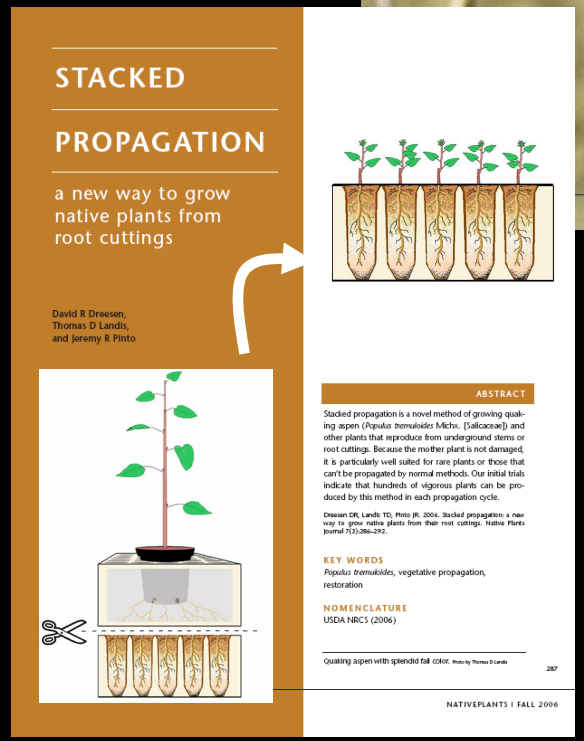
Outcomes:

- Consultations
- Cultural Plant Propagation Center
- Plant materials programs
- Equipment surplus transfers
- Cooperative agreements
- Plant materials to NFS
- Pollinators
- USDA Climate Hub
- CCAA Program
- Publications

Publications

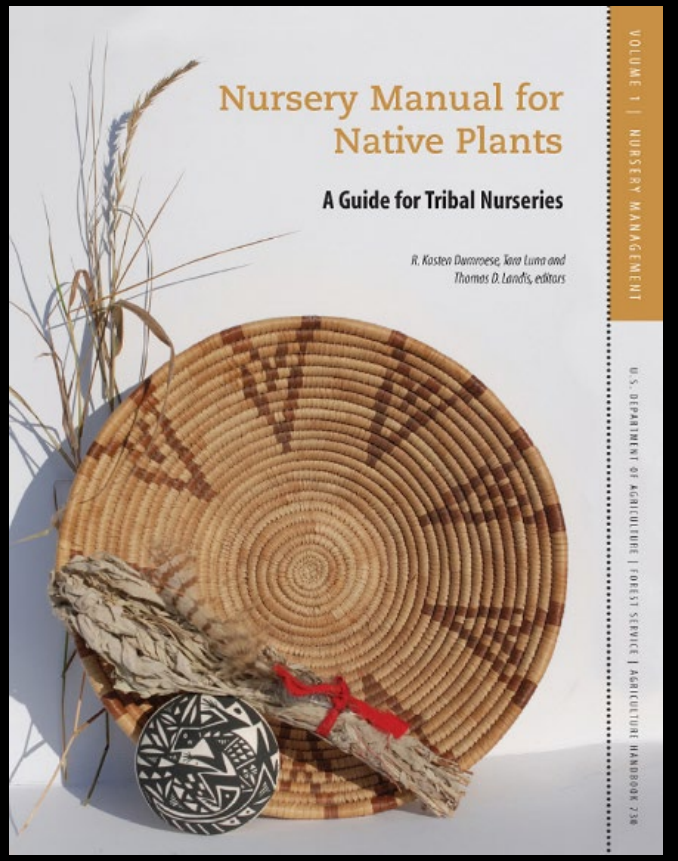


Case studies



Protocols

Research



Manuals

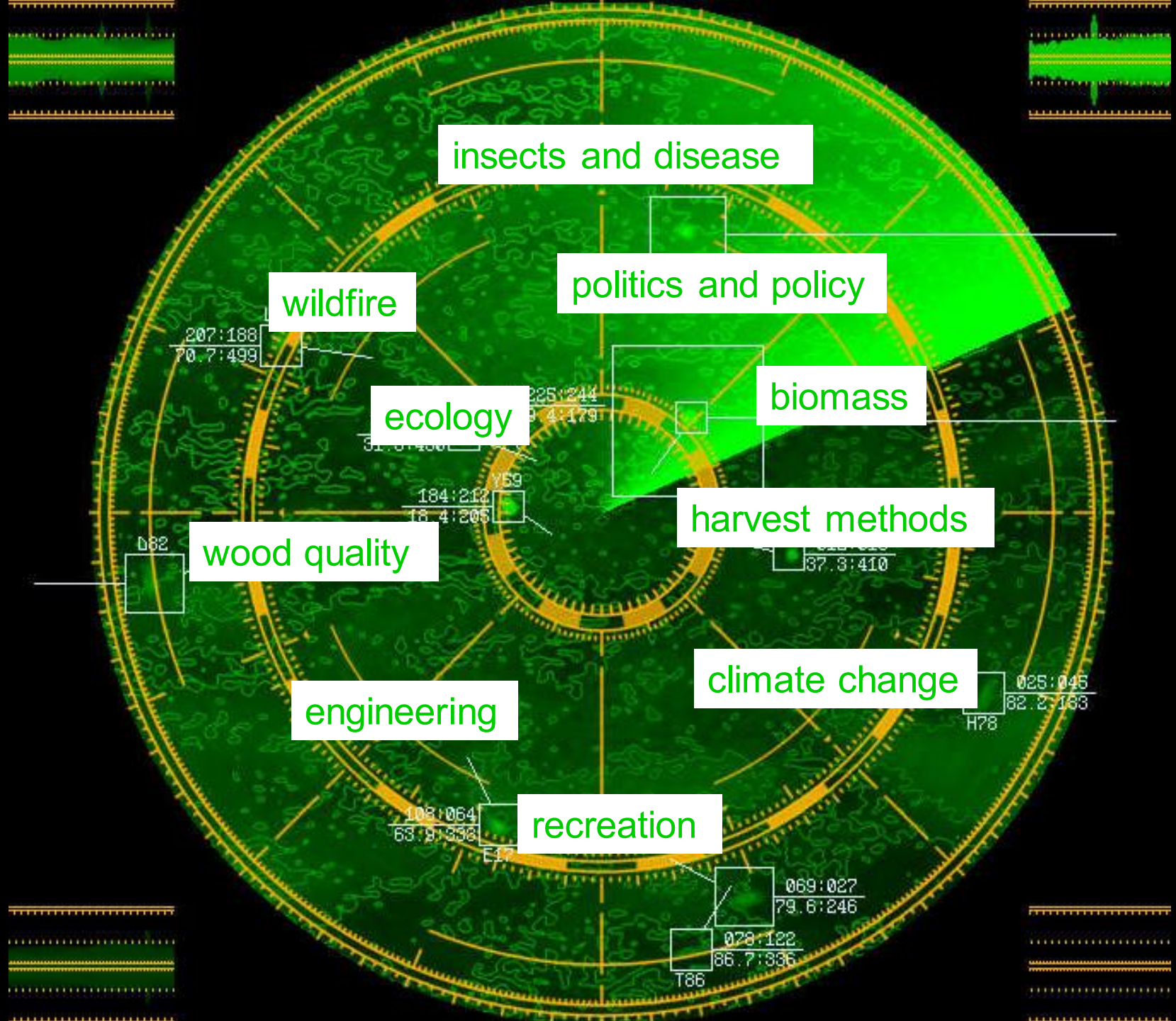
Intertribal Nursery Council

Forum for:

- Technology transfer
- Conservation education
- Reforestation
- Restoration
- Peer-to-peer information sharing

Impact:

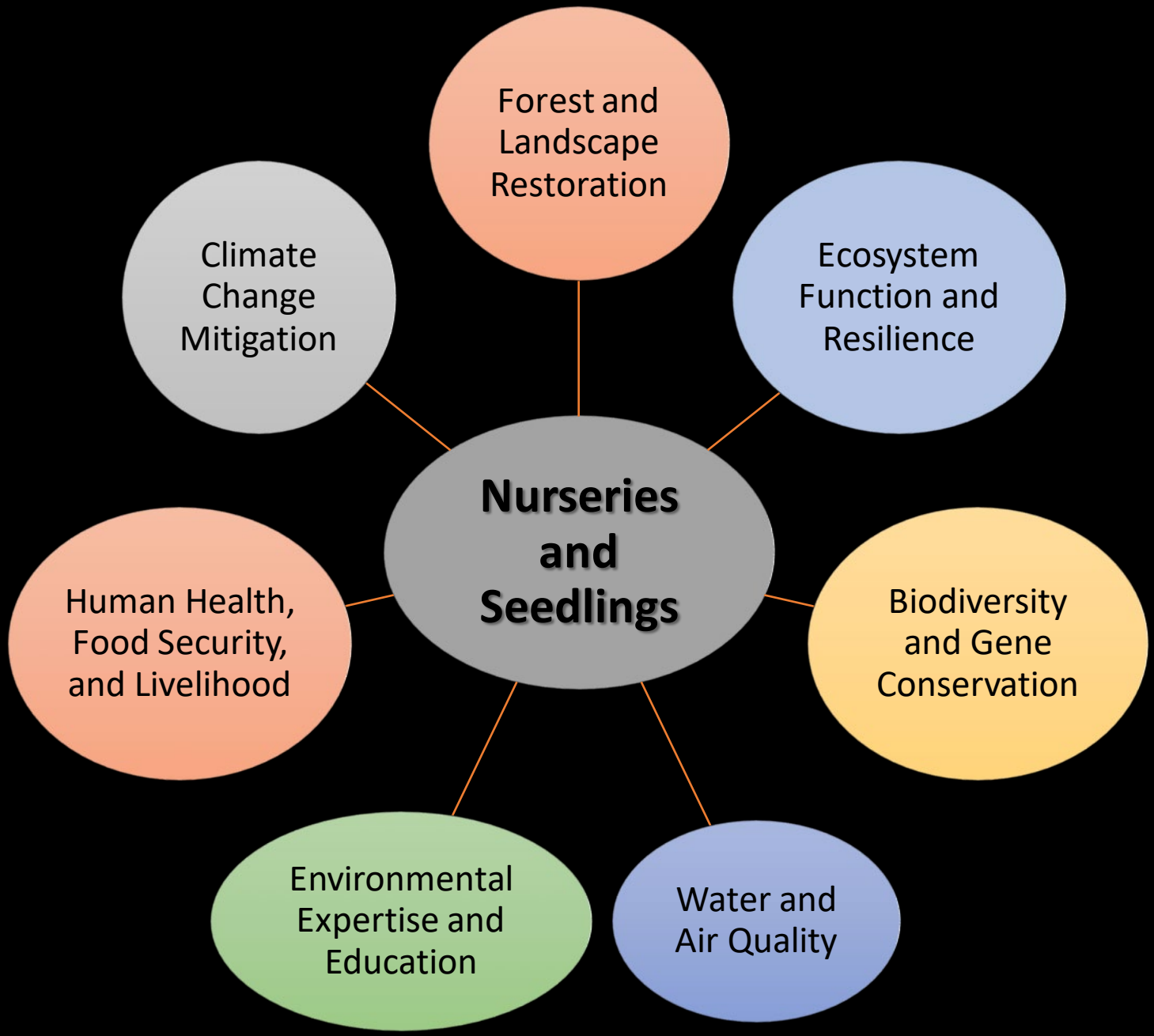
- Providing Tribes with nursery technical knowledge to improve seedling quality and outplanting establishment success

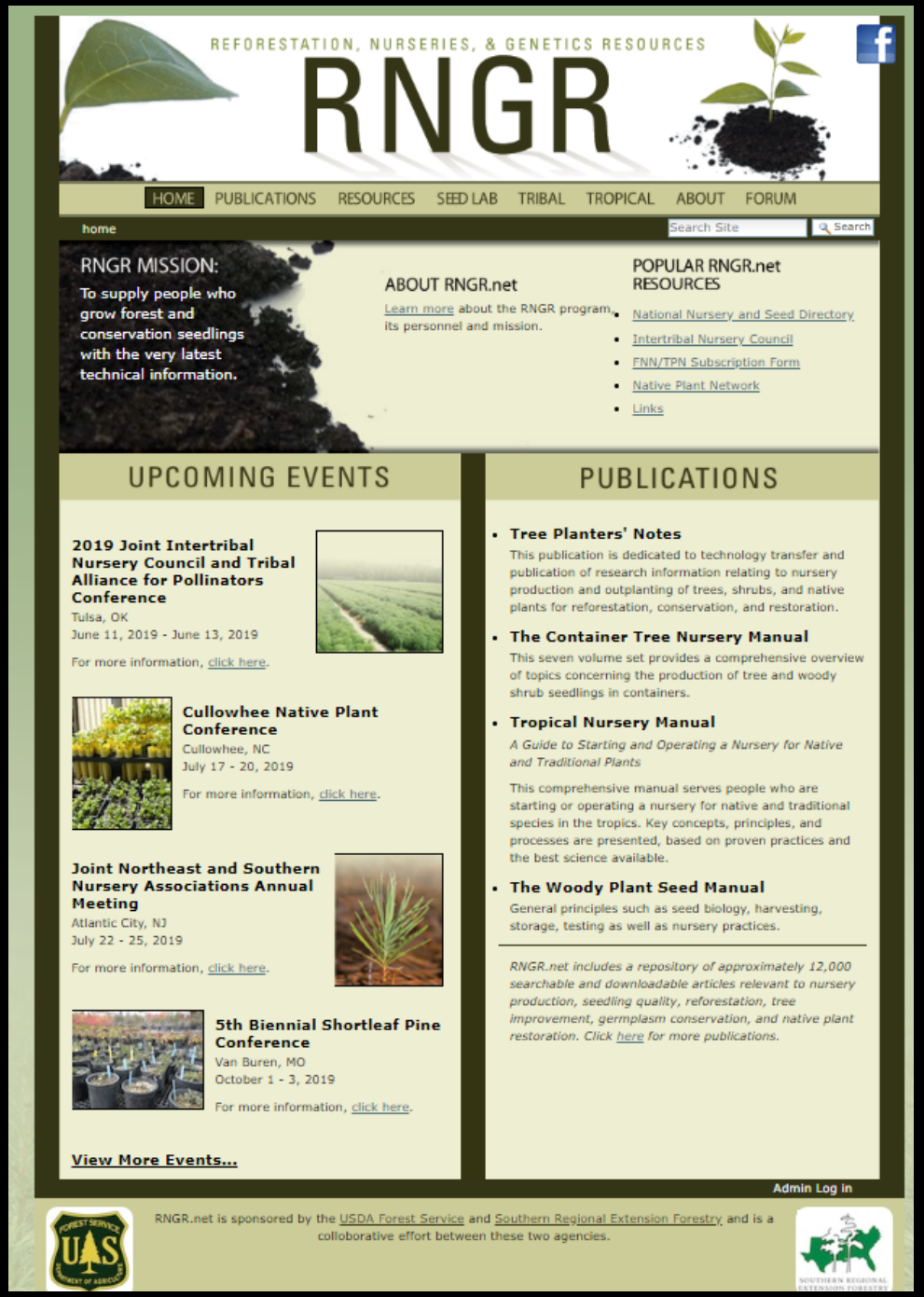


nurseries & seedlings

RNGR works to make sure nurseries, seed, and seedlings are not only “on the radar,” but also…

…are recognized and functioning as a hub for meeting ecological, economic, and social goals.





Online Resources
RNGR.net

- Publications
- Directories
- Calendar
- Links
- RNGR Contact Info
- Discussion Forum
- Native Plant Network

Averages a visit and a download every 11 minutes!

Thank You!
Ahehee'!

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I ♥ Native Plants
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I ♥ Baby Trees
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Intertribal Nursery Council

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