

The FEMC Sampler

New releases of regional data and tools from the Cooperative in 2020

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Four FEMC Products











Forests and Water

Regeneration

Urban Pests

Data Rescue

Forest Cover and Water Quality



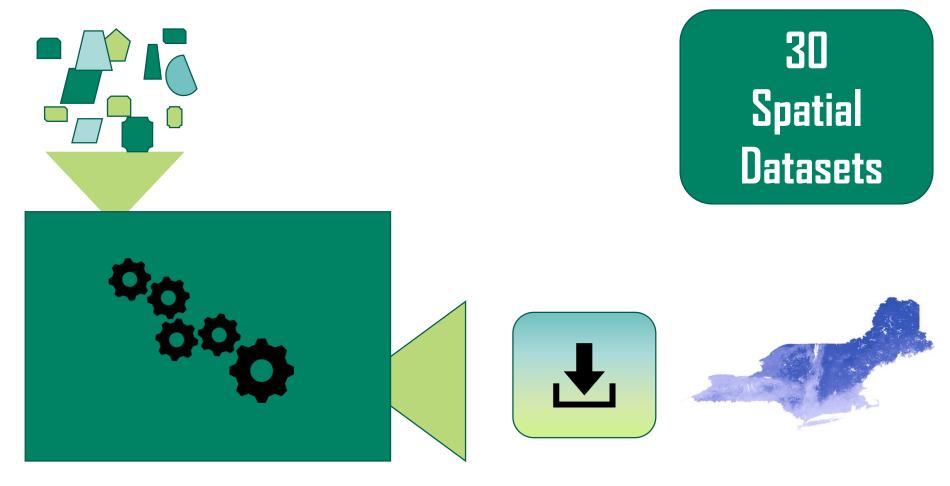
Complex connections between forest cover and water quality





Forest Cover and Water Quality

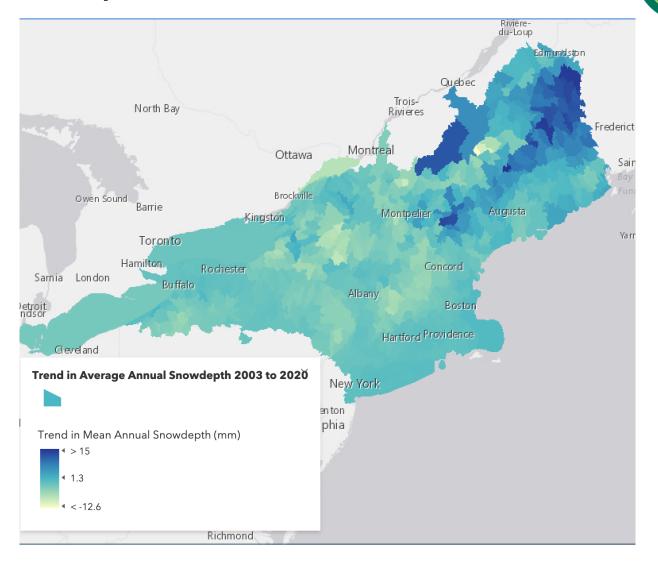






Forest Cover and Water Quality

- Spatial data available to explore connections
- Scripts are available and can be adapted
- StoryMaps of interesting trends







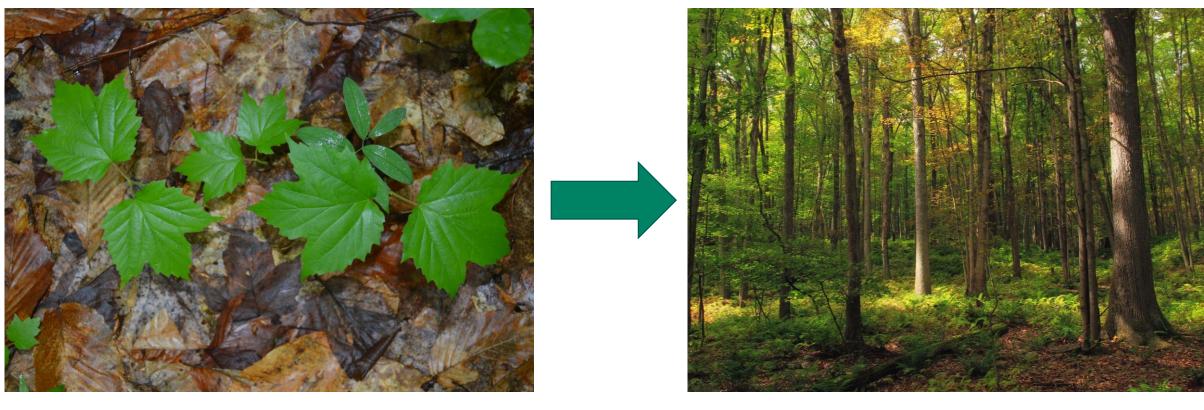


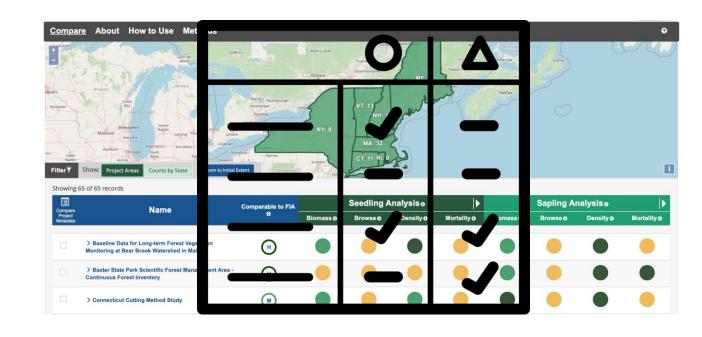


Photo credit: N. Tonelli, Wikimedia Commons

Seedlings and saplings of today become forests of tomorrow



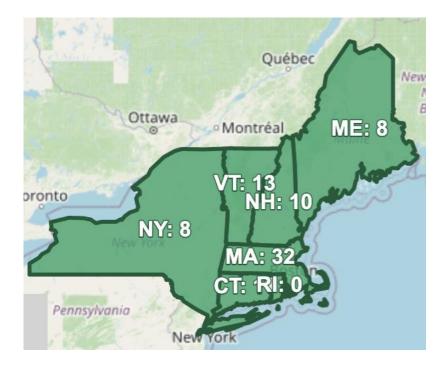
- Many projects across the region collect information about seedlings and saplings
- This tool allows for easy comparison of data and methods







65 programs assessed













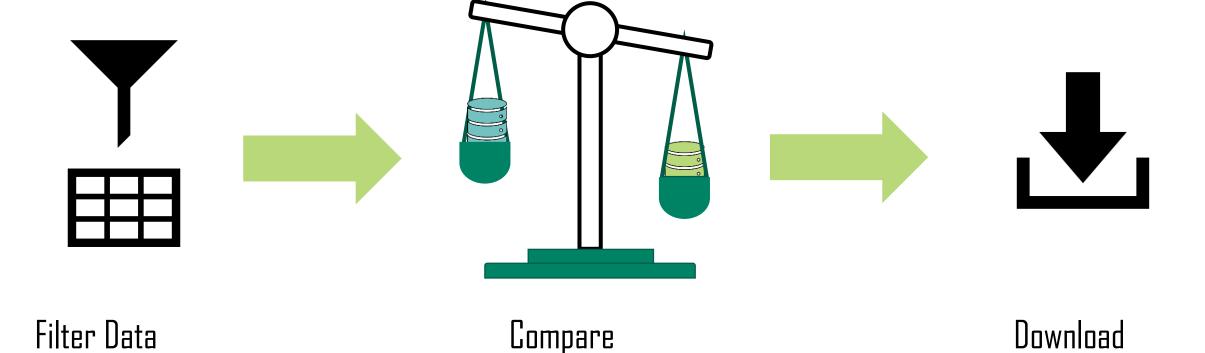










Photo credit: M. Hains, Wikimedia Commons

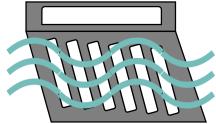
Urban trees provide value, but often experience stress, including damage from pests





Loss of trees results in lost environmental services including:

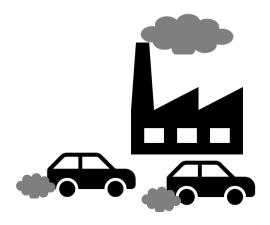




Runoff avoidance



Carbon sequestration



Pollution removal

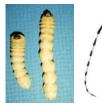


205 inventories

88
economic
assessments



Asian Longhorned Beetle







Beech Leaf Disease





Browntail Moth







Emerald Ash Borer







Gypsy Moth





Hemlock Woolly Adelgid







Oak Wilt





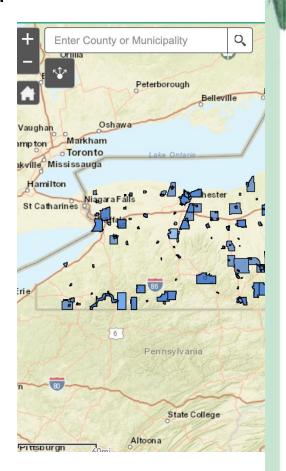


Spotted Lanternfly





- Map of tree inventories as well as data available to download
- Fact sheets provide estimate of community value and potential risk due to loss of services





Total number of host trees ¹ 102

Total annual value ² \$72

Total structural value ³ \$39,983



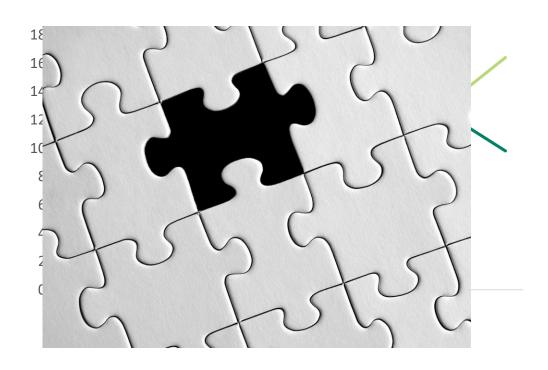








- Rescuing data can help fill gaps
- More than data is contained in old files and notebooks
- Institutional knowledge can help understand why choices were made



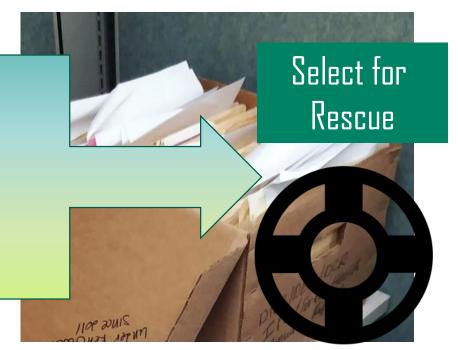




 Outdated file formats, old disks, data sheets and notebooks

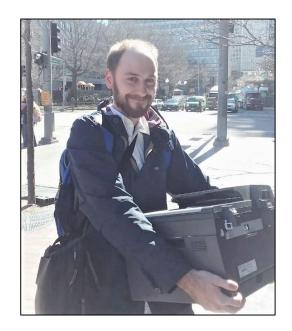
Prioritization

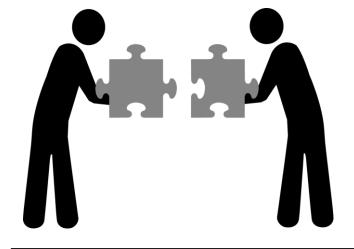
Applicability
Rigor of study
Repeated measures
Risk of loss





178 Items to Date





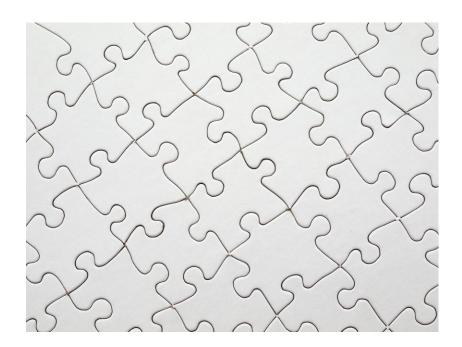
Opportunity to Collaborate











Complete the puzzle



Thank you!