Developing a GHG protocol for Forests and Trees

Donna Lee, CLUA
Richard Birdsey, WHRC
Nancy Harris, WRI
Thailynn Munroe, WRI
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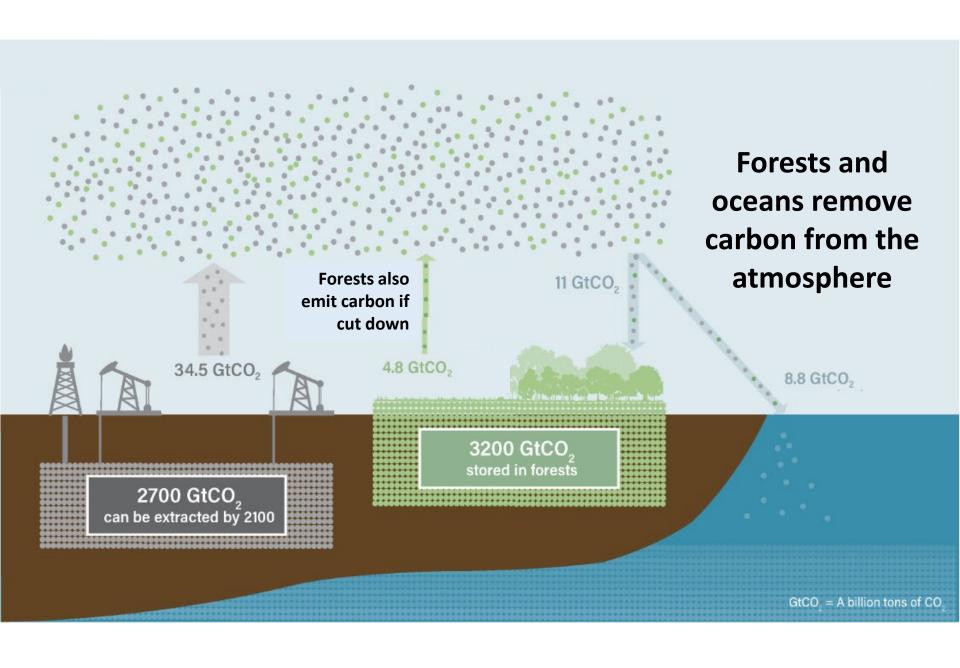






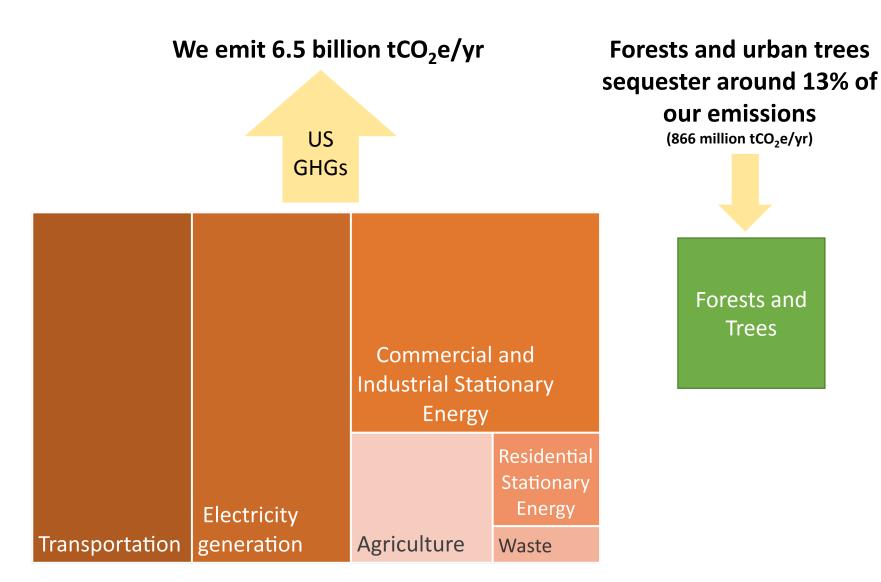
There is more carbon stored in forests than extractable fossil fuel deposits



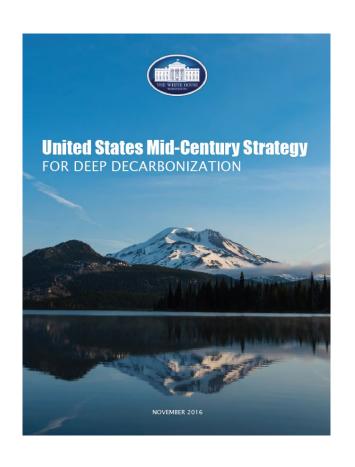




United States GHG inventory



US mid-century strategy



- Avoid 13 million acres of forest loss from reducing land development (urban expansion)
- Restore forests after harvest or disturbance
- Expand forest area by 40-50 million acres

The same can be said for urban trees:

Avoid Loss, Restore, and Expand...

SCIENTIFIC AMERICAN.

CONSERVATION

U.S. Cities Lose Tree Cover Just When They Need It Most

Urbanization is on the rise; so is the urban heat island effect—a situation that is worsening with the decline of tree cover in U.S. metropolitan areas

Between 2009 and 2014, urban areas lost approximately **36 million trees** or 175,000 acres of tree cover annually.

Urban trees:

- Reduce energy use
- Improve air quality and reduce noise
- Provide clean water and reduce storm water run-off
- Improve health and well-being of urban populations

The Project

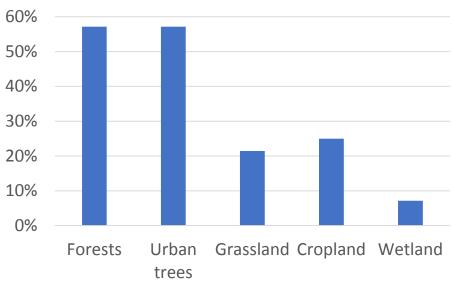
Objective

To enable communities to include forests and trees in their climate action plans through development of GHG estimates.





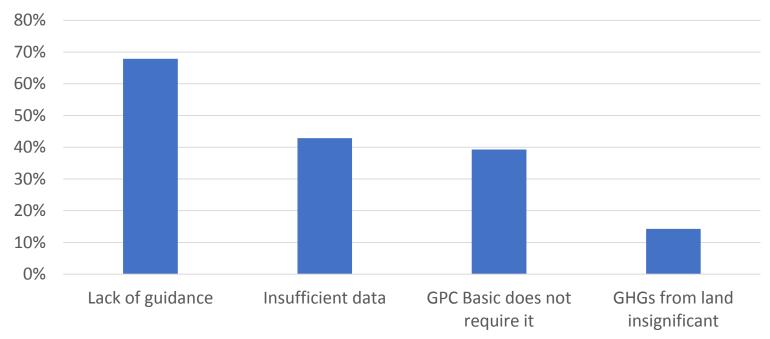
Land type of highest interest



Goal

Develop guidance that communities can use to estimate GHGs from forests & trees.





ICLEI's US Community-scale Protocol: New Appendix on Forests & "Trees Outside Forests"

To inform the development of the protocol, we selected three "pilot" communities...







To be launched soon: **ICLEI-USA** protocol for forests & trees...



MEMBER LOGIN IOIN ICLEI USA PROGRAMS

Greenhouse Gas Protocols

ICLEI's Greenhouse Gas (GHG) Protocols provide authoritative guidance for communities to account for carbon pollution accurately and consistently.



...and revisions to the **Global Protocol**

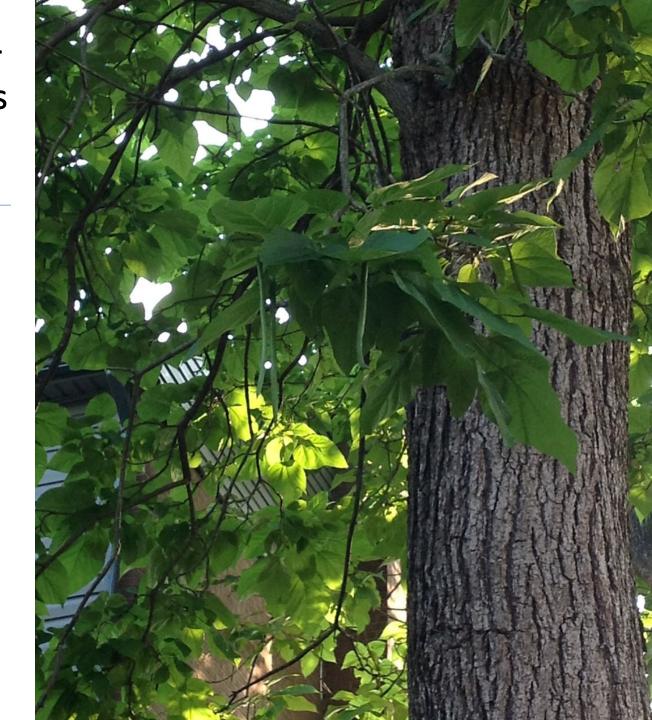


Global Protocol for Community-Scale Greenhouse Gas Emission Inventories

An Accounting and Reporting Standard for Cities

GHG Protocol for Forests and Trees in Montgomery County

- Adds to our understanding of GHG emissions and sequestration
- Facilitates conversations with neighboring jurisdictions
- Helps with developing policies and programs to meet GHG goals



GHG Protocol for Forests and Trees in Montgomery County

Follow up by exploring the impacts:

- Reducing the loss of forest and trees during development;
- Accounting for the lost potential when forest and trees are removed;
- Supporting forest and tree planting programs; and
- Improving sustainable agriculture and landscaping.

