i-Tree Open Academy
Session 4
Seeing The Forest For The Trees

The Landscape of Canopy:

Map-based Tools For Benefits Assessments

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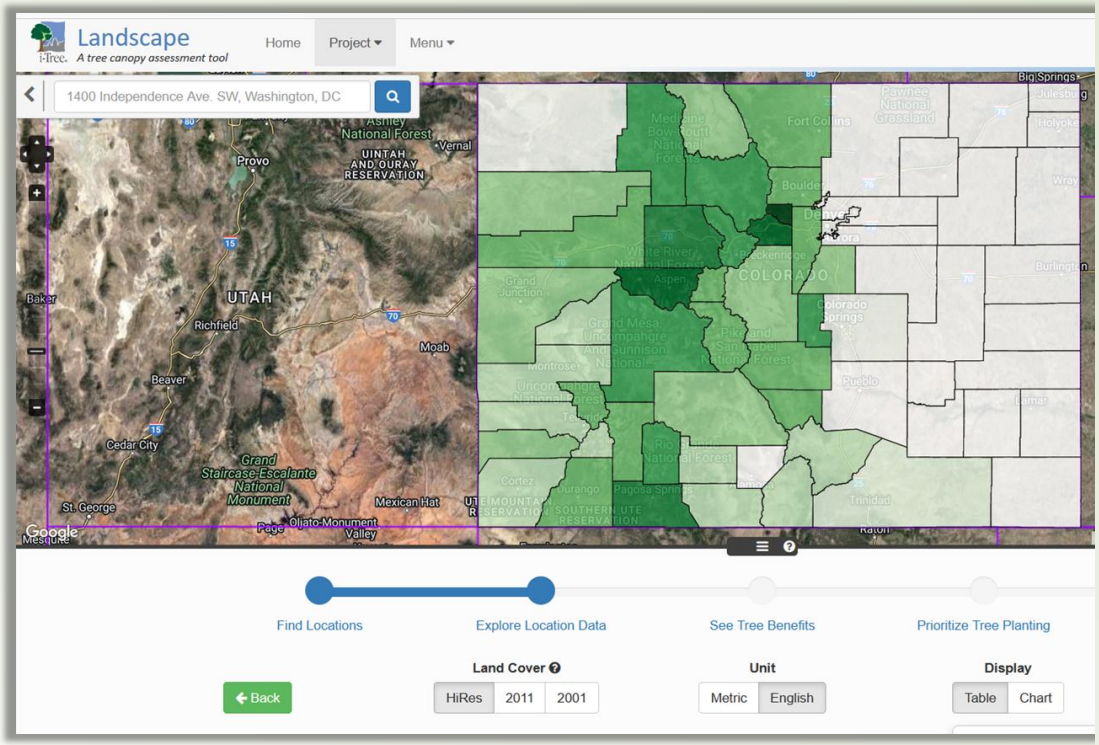
Looking Through Landscape to See Canopy in Action

- **Visualizing the environment** helps us see it in context
  - Trees + people +habitats + infrastructure: *connections*
- Landscape brings **USFS tree benefits science** to a nationwide map tool and offers a rich set of complimentary data
- Spatial distribution of resources and risks: visualizing **canopy impacts at neighborhood scale**
- Includes census demographic data and levels of environmental risk that can be used to **prioritize equity** across project locations



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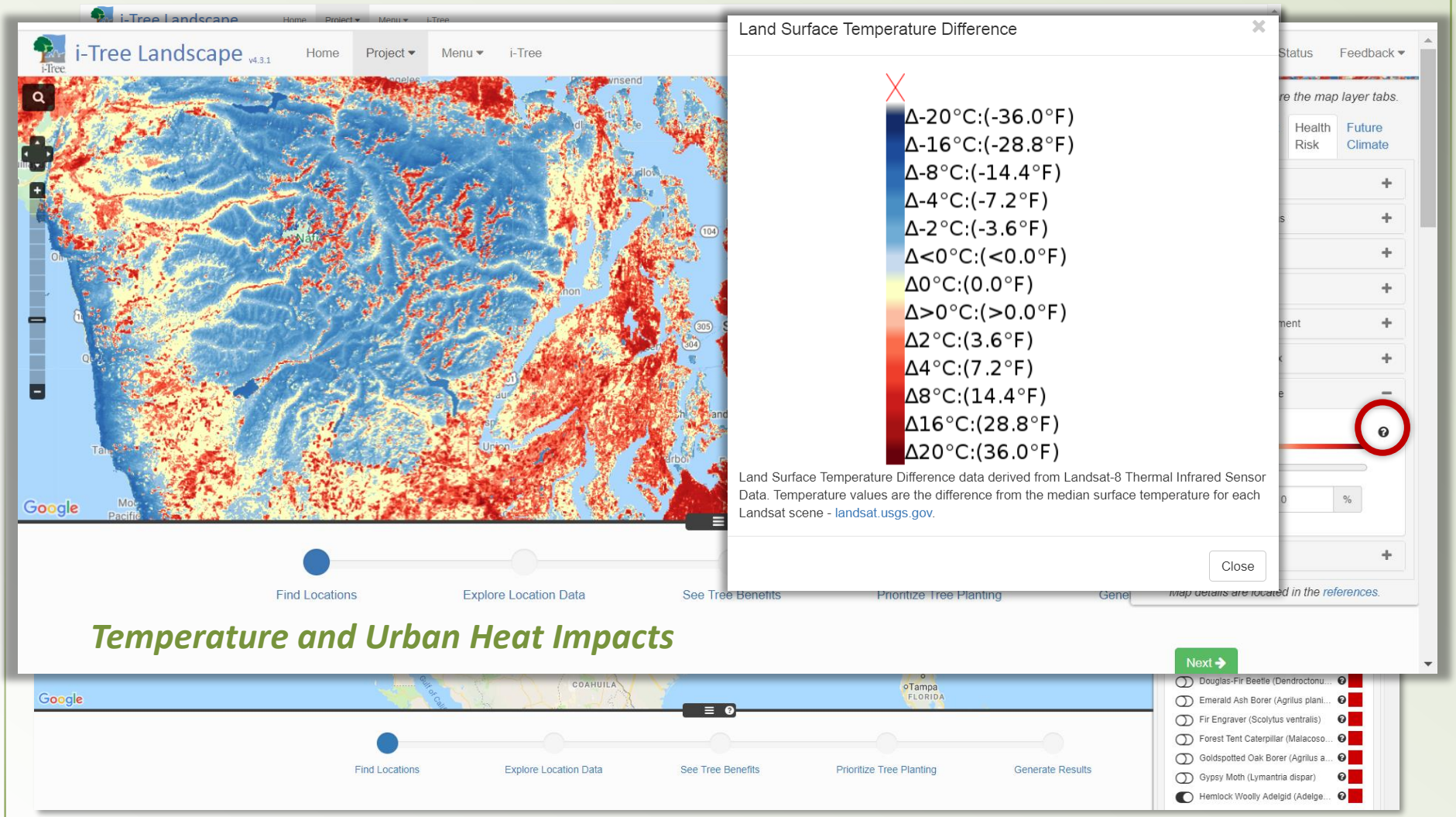
Canopy, Climate, and Census Data on a National Scale



See canopy benefits in action

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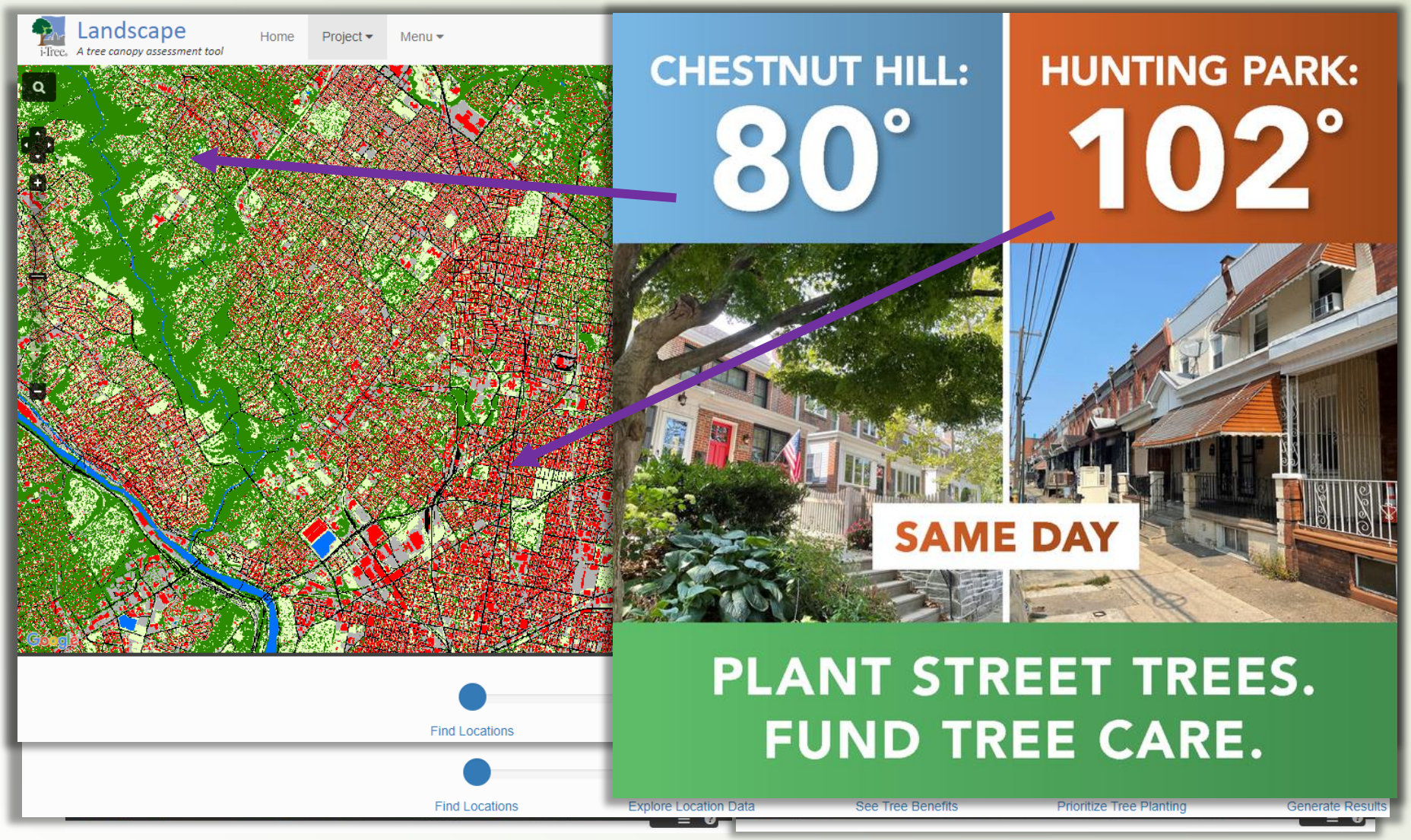
i-Tree Landscape



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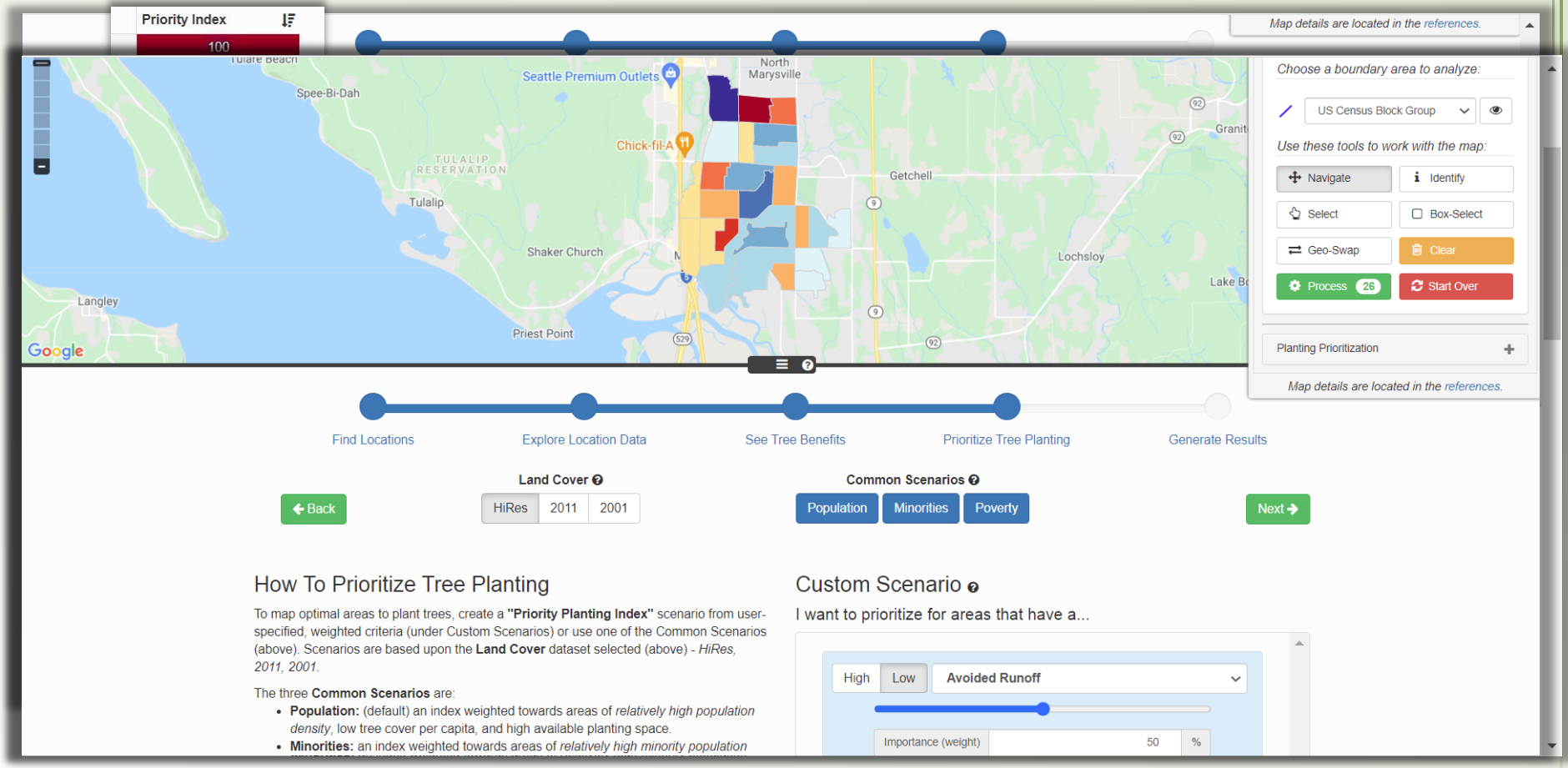
View Strengths and Priorities Across Geographies



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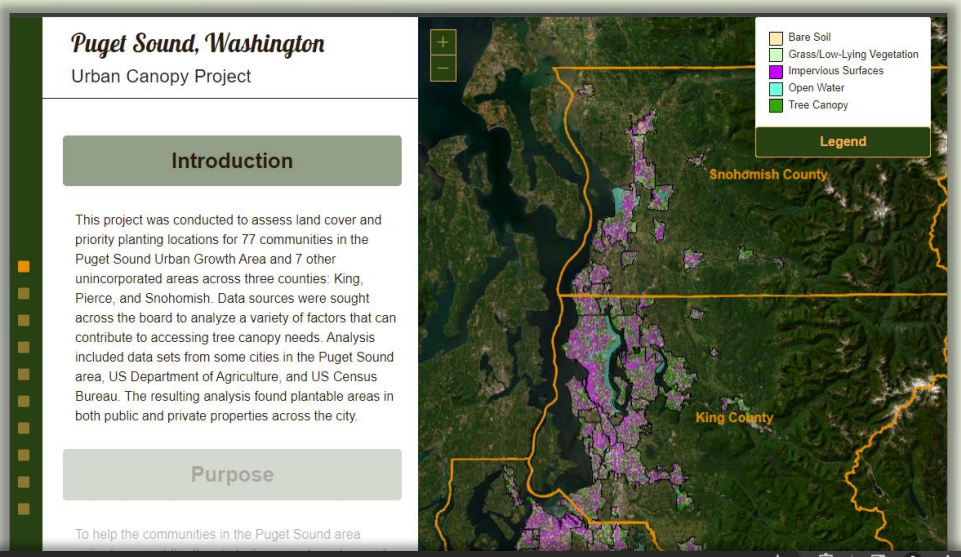
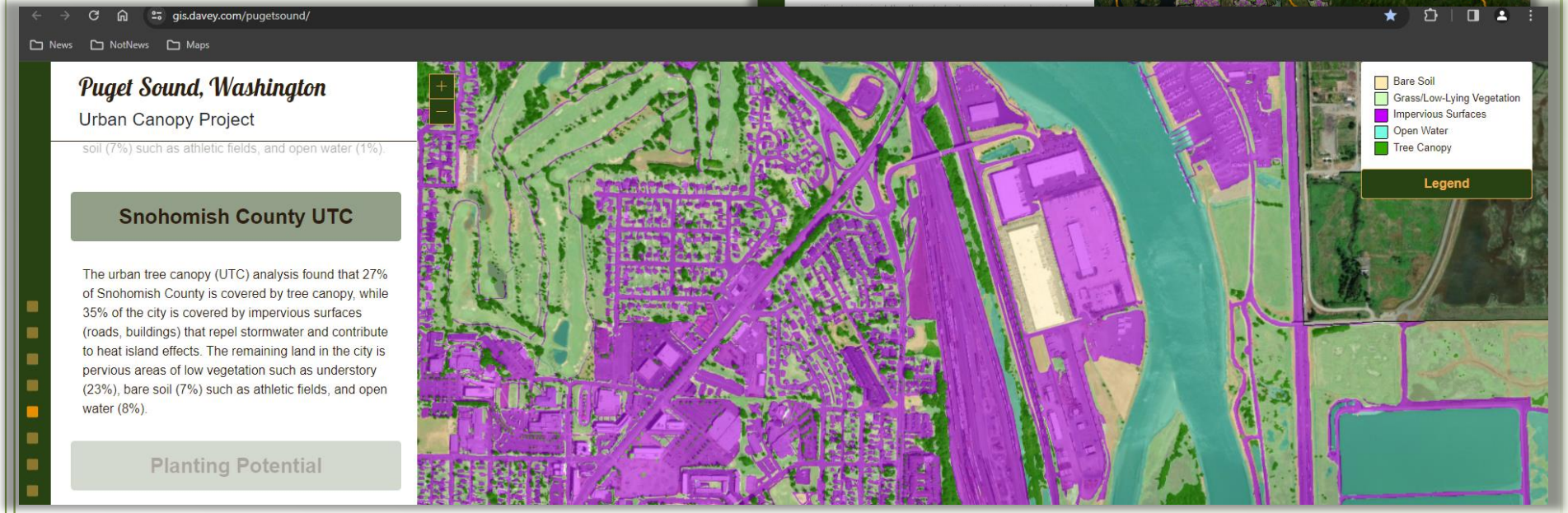
Putting i-Tree to Work

Power of Partnership

- Puget Sound, The Nature Conservancy, and DRG
- High resolution land cover data across urban growth corridors
- Assessment of plantable areas





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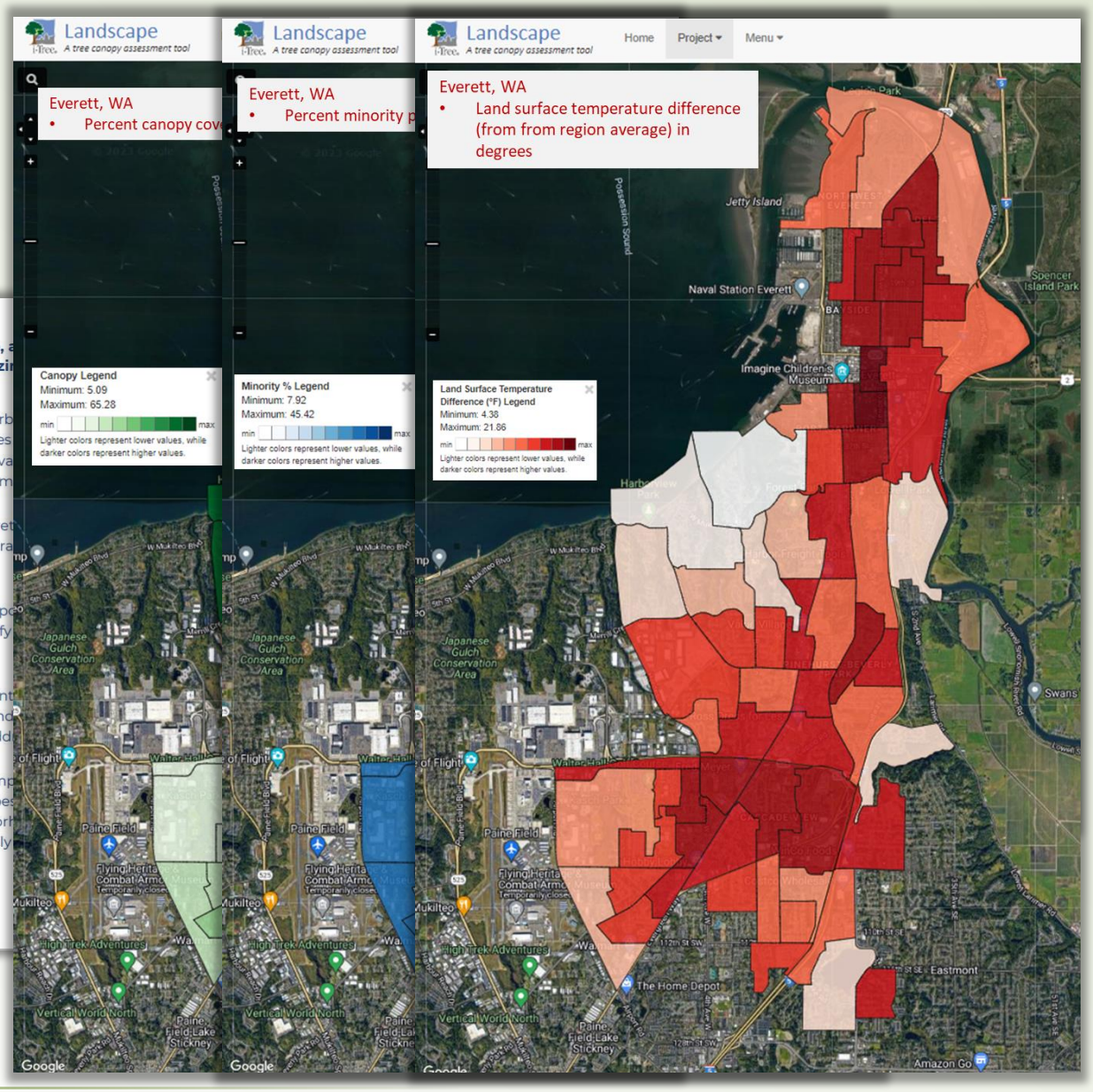
Inform Community Decisions and Prioritize Strategies

Everett, WA



Trees

Goal 9.9 Establish, replace, a and rights of way recognizi benefits.

Policy 9.9.1. Develop an Urb sets a vision and strategies Everett on public and priva interdepartmental implem

Policy 9.9.2. Educate Everet and best management pra properties.

Policy 9.9.3 Review and upd program for parks. Identify opportunities.

Policy 9.9.4 Prioritize maint managed by the Parks and or maintenance plans, add

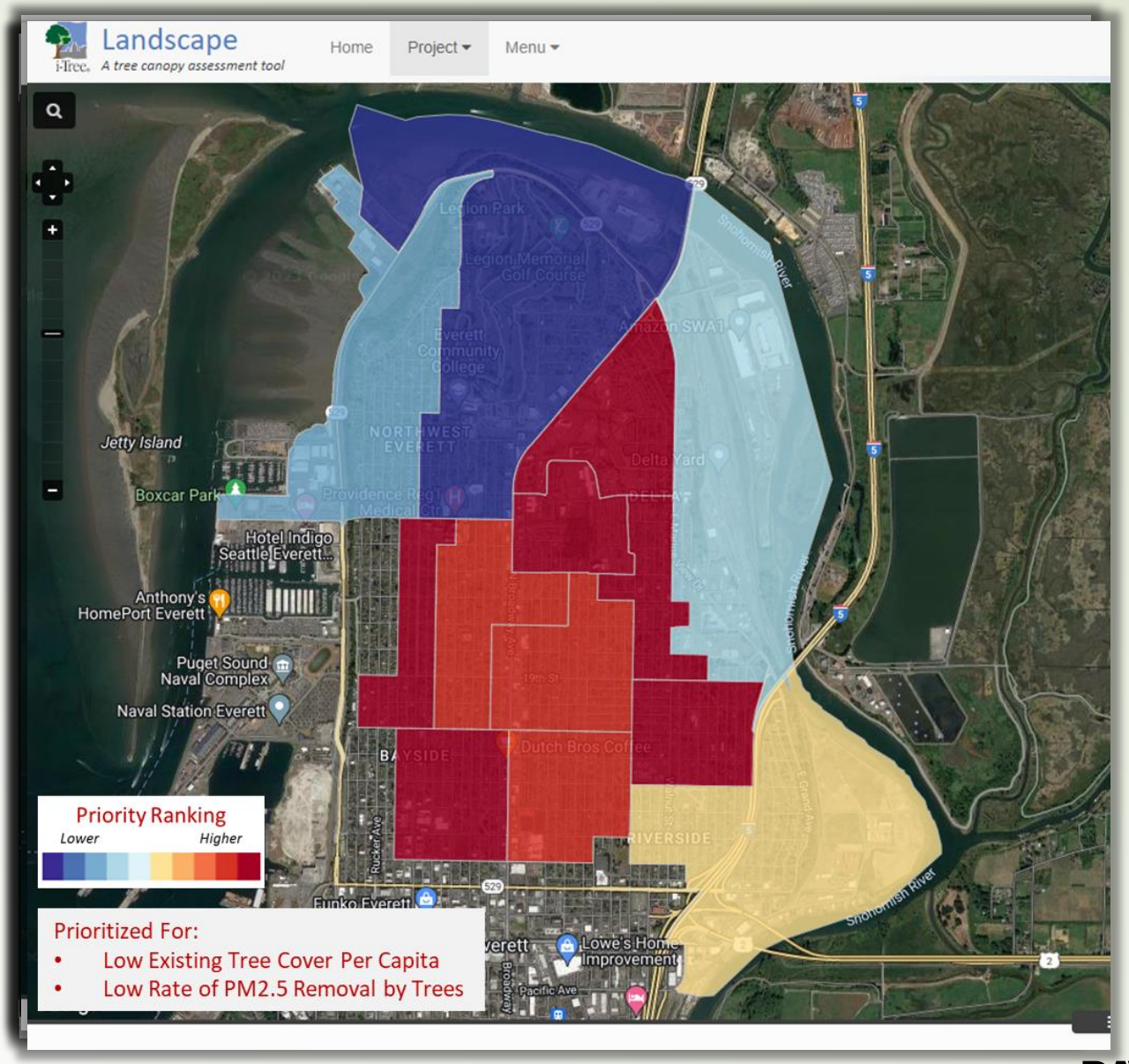
Policy 9.9.5 Maintain or imp parklands and streetscapes the Districts and neighborh Strategically and equitably heat island effects.

EVERETT WASHINGTON

Inform Community Decisions and Prioritize Strategies

Everett, WA

Delta Neighborhood



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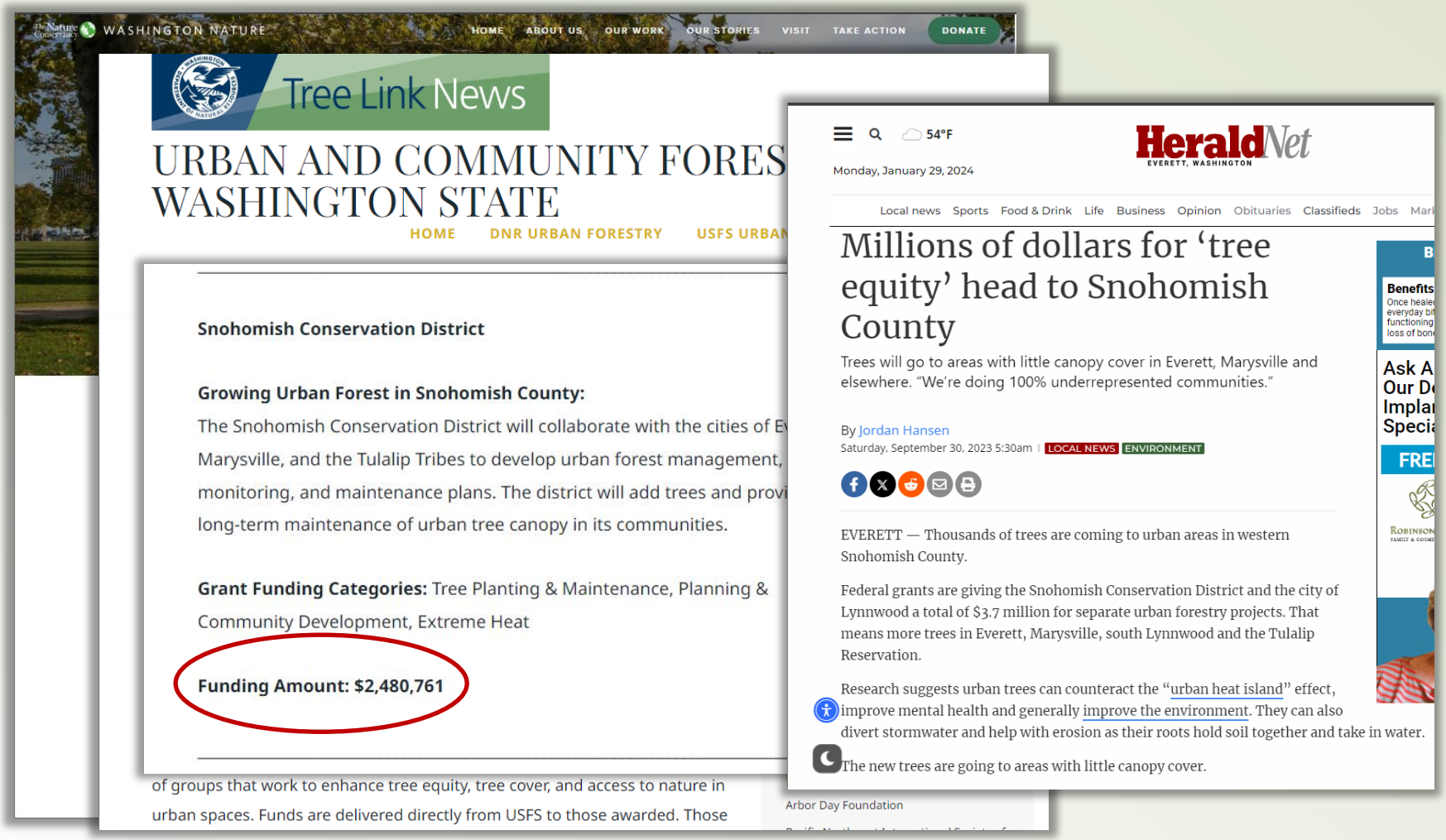
i-Tree for the Long Game



- *Collaboration → Tree Science → Tool Kit → Local Engagement → Funding for Canopy Growth*

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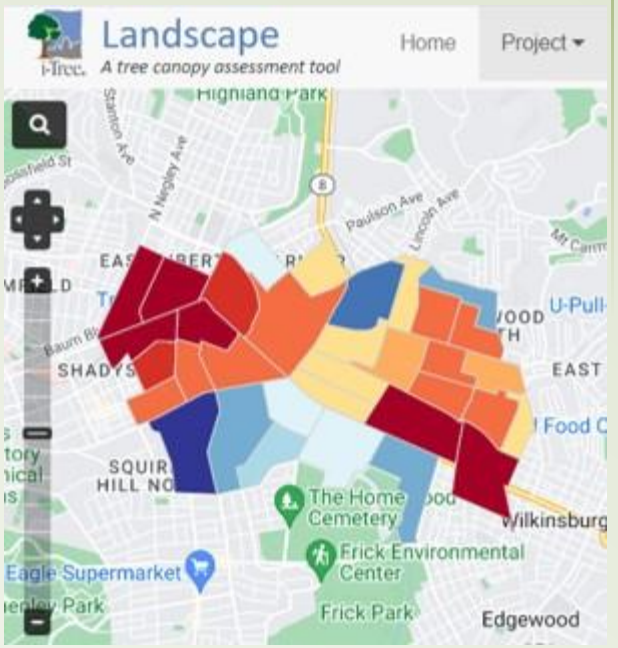
The Lens of i-Tree Landscape

- See impacts on geographic scales that can highlight benefits in action
  - Distribution of canopy and other resources: where does your landscape fit?
- Estimate future impacts of climate change
- Spatial breakdown of benefits: visualize data at neighborhood scales
- See impacts alongside demographic info that can inform decisions for social equity and city priorities
- Prioritization and Limitations
  - Focus on neighborhoods where you want to increase canopy benefits
  - Data layers are publicly available, and not directly downloadable from Landscape itself
  - For use in the US, working with layers available on a nationwide level



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Reveal Your Landscape

- Letting It All Sink In

  - *Knowledge is power –*
  - *Use your power for good!*

  - *info@itreetools.org*

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