



## Forestry Workgroup Meeting

March 3, 2021

9:00am-11:00am

<https://zoom.us/j/96617794083>

Meeting ID: 966 1779 4083 Passcode: Trees

Conference Line: 1 301 715 8592 Passcode: 946351

*This meeting will be recorded for internal use to assure the accuracy of meeting notes*

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| <b>9:00 am</b> | <b>Welcome and Introductions</b>   | <i>Rebecca Hanmer, Chair</i>             |
| <b>9:10 am</b> |  |  |
|                | <p><b>DC's tree canopy lowers urban air temperature but the cooling magnitude depends on spatial context and time of day</b></p> <p>With limited resources it is important to optimize urban tree planting efforts with expected canopy ecosystem services. It is generally understood that trees offer local cooling via shading and transpiration. However, it is still not clear how much this cooling effect varies based on spatial context and time of day. In this work, we progressively subdivide the broad class "tree canopy" into smaller, mechanistically important, subclasses including "hard canopy" (over paved surfaces), "soft canopy" (over unpaved surfaces), "forest patches", and "distributed canopy". Making use of predawn, afternoon, and early evening car-collected air temperature data, we modeled temperature spatial anomalies based on each subclass as well as its interaction with impervious surface. <b>Lessons for UHI mitigation may include: 1) soft canopy cools strongly in predawn and evening independent of its interaction with impervious surface; 2) distributed canopy is important for cooling in predawn and evening hours; 3) afternoon cooling is difficult to uniquely attribute to canopy, but removal of impervious surface is important.</b></p> | <i>Mike Alonzo, AU, Matt Baker, UMBC</i> |
| <b>9:40am</b>  |  |  |
|                | <p><b>Heat Watch: State Program Adapting to New Data</b></p> <p>Discussion of state U&amp;CF program response to Virginia urban heat island mapping efforts. Connecting with new partners, the public and implementing targeted tree planting projects.</p>  | <i>Lara Johnson, VA DOF</i>              |
| <b>10:00am</b> |  |  |
|                | <p><b>Credit Duration Recommendations for Verification</b></p> <p>Sally will provide an update on the discussions concerning backout and credit duration and ask for feedback on the proposed changes.</p>   | <i>Sally Claggett, USFS</i>              |

- 10:20am**      **RFB Workplan items needing FWG focus**      *Katie Brownson, USFS, Sally Claggett, USFS*  
Katie and Sally will review the actions from the forest buffer [workplan](#) and lead a discussion on upcoming work developing state action strategies and technical assistance as detailed in workplan.
- 10:50am**      **Round Robin**
- 11:00 am**      **Adjourn**