Urban foresters, natural areas managers, and planners face the tremendous challenge of developing and implementing actions that help ecosystems respond to climate change. This session will:
- Provide information on the current and anticipated effects of climate change on the Austin metro and its urban forests and natural areas.
- Describe resources and tools that can be used to integrate climate change into urban forest and natural areas management.
- Outline adaptation concepts and strategies.
- Identify actions that enhance the ability of urban forests and other ecosystems in the Austin region to adapt to changing conditions.
- Highlight real-world examples of adaptation projects, and engage participants in a variety of interactive activities to identify climate change issues and potential adaptation actions.

**Agenda: Day 1 - Preparing for Climate Change**

8:30    Registration & Coffee
9:00    Welcome & Introduction: Zach Baumer, City of Austin Climate Program Manager, & Leslie Brandt, Northern Institute of Applied Climate Science and US Forest Service
9:30    Changing Climate in the Austin Region: Cait Rottler, USDA Central Plains Climate Hub
10:15   Break
10:30   Vulnerability and Adaptive Capacity of Trees in the Austin Region: Leslie Brandt
11:30   Local Observations Engagement Activity
12:00   Lunch On-site
12:45   Adapting Urban Forests to Climate Change: Approaches for Action: Leslie Brandt
1:15    Real-world Examples of Forest Adaptation: Panel and Q&A
- Mycorrhizal Fungi & Soil Health, Lisa O’Donnell, City of Austin Wildlands Division
- Bioswales/Terracing to Capture & Sink Water, Pete Van Dyck, Drought Proof Texas
- Grow Zones, John Clement, City of Austin Watershed Protection
- Onsite Reuse of Wood Waste for Water Retention, Bryan Hummel, EPA
2:30    Break
2:45    Activity: Integrating Climate Change into Your Work
3:00    Group Rounds and Discussion
3:30    Discussion of Breakout
3:50    Closing Comments: Leslie Brandt
4:00    Adjourn

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Forest Adaptation Planning and Practices is an active, hands-on training, to assist urban forest and natural areas managers in incorporating climate change considerations and identifying actions for adaptation into their own real-world forest management projects. Through this training, participants will be able to:

- Describe regional and local effects of climate change on urban forests and ecosystems.
- Understand adaptation concepts and principles in the context of sustainable urban forest management.
- Use Forest Adaptation Resources in real-world management projects to:
  - Identify challenges and opportunities for management.
  - Develop actionable steps to adapt forests to changing conditions.
  - Create their own climate-informed forest management project.

**Agenda: Day 2 - Adaptation Planning**

8:30  **Introduction:** Leslie Brandt, Northern Institute of Applied Climate Science and US Forest Service

9:00  **Step 2:** Climate change vulnerability on your project area — Activity

10:00 Break

10:15  **Adaptive Capacity**

10:45  **Vulnerability Determination**

11:00  **Step 3:** Challenges/Opportunities for Meeting Management Objectives — Overview

11:15  **Step 3:** Challenges/Opportunities for Meeting Management Objectives — Breakouts & Activity

12:15  Lunch

1:00  **Step 4:** Identifying Forest Adaptation Approaches and Tactics — Overview

1:30  **Step 4:** Identifying Forest Adaptation Approaches and Tactics — Breakouts

2:15  **Step 4:** Identifying Forest Adaptation Approaches and Tactics — Discussion

2:45  **Step 5:** Monitoring — Introduction & Activity

3:15  **Final Poster Presentations** — Work Time

3:45  Poster Presentations from Each Group

4:15  **Next Steps & Wrap-up**

4:30  Adjourn

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