Dear Friends,

Below is a revised Meeting Agenda ver 2 for the 2023 Camcore Annual Meeting in North Carolina from Sun October 1 to Thursday October 12. The order of the topics may change a little, but this should be very close to the final agenda. We are excited about this meeting, and think there will be many things to learn. As always, we will be presenting results from Camcore research, planning new research and seed collection work, and conducting the Advisory Board meeting to approve long-term program strategy and budgets.

**IMPORTANT NOTE** – So far, we have received only a few formal pre-registration commitments. We must have firm commitments from a significant number of attendees in order to be able to sign contracts with hotels, restaurants, speakers and field visit venues, etc. We are currently planning on 35 to 40 international attendees (not counting Camcore staff here in Raleigh). **If we do not have at least 25 to 30 attendees, we cannot make this meeting work financially, and we would need to shift to an online meeting for 2023.**

**Please let us know as soon as possible if there will be one or two members from your organization attending the annual meeting. We need to make a decision whether or not to proceed with an in-person meeting in North Carolina by June 1, 2023.** Please send in the pre-registration by June 1, or let me know by email.

**Our preliminary estimate on the price is USD $2900.** The registration will cover hotels, transportation, and most of your meals during the meeting.

If there is sufficient interest, we will also put together a spouse program, with visits to parks, museums, botanical gardens, historical sites, hikes, shopping, etc. If you will be attending, and your spouse would like to participate, please indicate that on the pre-registration form. **Our preliminary estimate for the price of the spouse program is USD $1100.**

Best Regards,

GRH

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| **Date** | **Day** | **Location** | **Activity** |
| 30-Sept | Sat | Raleigh | Pre-arrival, hotels on your own |
| 1-Oct | Sun | Raleigh | Arrive  Technical Committee Meeting  Executive Committee Meeting |
| 2-Oct | Mon | Raleigh | **Technical Sessions 1 & 2**  **Camcore & NC State University**   * Myron Floyd, Dean NCSU College of Natural Resources * Erin Sills, Head, NCSU Forestry & Env. Resources * Gary Hodge: “Camcore – ~~40 Years~~ 43 Years of Breeding and Gene Conservation” * Fred Cubbage, NCSU Forestry & Env. Resources: “Outlook for the Expansion of Global Wood Fiber Production” * Jim Holland, USDA Professor, NCSU Maize Breeding: “Breeding, Genomic Breeding, and Genetic Diversity in Maize -- Lessons for other crops?” * Juan Jose Acosta: “Tree Breeding for 2050 – Goals, Strategies and Tools” * Ricardo Cavalheiro, Camcore: “Analysis of Lidar Data Clouds to Extract Whole Tree Volume and Form”   **Welcome Dinner** |
| 3-Oct | Tue | Raleigh  Raleigh-Durham | **NC State University**   * Schenck Forest: multiple use forestry research and education (silviculture, genetics, hydrology, soils, and wildlife) * NCSU Plant Sciences Building (state-of-the-art research labs and greenhouses)   **Research Triangle Park**   * **Pairwise Gene Editing** (CRISPR editing platforms for food and plant crops * **Syngenta** (Plant defense mechanisms, GMOs, insectarium) |
| 4-Oct | Wed | Raleigh  Raleigh  Clinton  New Bern | **Morning: Technical Session 3**  **NCSU College of Natural Resources**   * Ronalds Gonzalez, NCSU Forest Biomaterials, Director, Sustainable Alternative Fibers Initiative: “Wood Fiber and Ag Crop Fiber Alternatives – Life Cycle Analysis” * Frederik Laleicke, NCSU Forest Biomaterials: “Cross Laminated Timber Panels for Home and Building Construction”. * Ross Meentenmyer, Chris Jones, NCSU FER Geospatial Analytics: “Pest and Pathogen Spread Forecasting Platform”   **Afternoon: Field Visits – NCSU Plant Breeding**   * Jeff Dunne, NCSU Crop & Soil Science: “Peanut Breeding and the use of Drone and Imaging Technology for Phenotyping” * Craig Yencho, NCSU Horticultural Science: “Sweet Potato Breeding, Genomics, and Genetic Diversity”.   Travel to New Bern |
| 5-Oct | Thu | New Bern | **Weyerhaeuser Company & NCSU Hoffman Forest**   * P. taeda silviculture in the SE Coastal Plain   + site prep, water management, harvesting, planning, etc. * Trevor Walker, NCSU P. taeda Tree Improvement – genetics and breeding of loblolly pine * Terrestrial Lidar Scanning (TLS) for measurement of tree volume, stem shape, branching in genetics and research trials: field visits, demonstrations of equipment, etc. |
| 6-Oct | Fri | New Bern  Raleigh | **Weyerhaeuser Company & NCSU Hoffman Forest**  Morning:   * Chris Moorman, NCSU Fisheries & Wildlife Conservation Biology: “Wildlife Management and Hunting Clubs – Interactions with Forest Industry” * Marcelo Ardon, NCSU Foresty & Env. Resources: “Forest Hydrology Research in the Atlantic Coastal Plain” * Robert Jetton, NCSU Foresty & Env. Resources: “Atlantic White Cedar forests and gene conservation” * Rachel Cook. NCSU CNR Forest Productivity Cooperative: “Biomass Removal and Forest Nutrition in the SE Coastal Plain”   Afternoon:  Travel to Raleigh  **NC State University**   * David Tarpy, NCSU Apiculture: “Bee Research – Molecular and Pollinator Ecology“ * Feldmeier Dairy Processing Lab |
| 7-Oct | Sat | Raleigh | Morning: Technical Session 4   * Jack Wang, NCSU Forestry & Env. Resources: “Forest Biotechnology, Genomics and Gene Editing” * Justin Whitehill, NCSU Forestry & Env. Resources: “Christmas Tree Research, Research and Production in North Carolina”   **Camcore Graduate Students**   * Romeo Jump: “NIR Scanning of Pine Seedlings Predict Foliage Nutritent Content” * Leonida Cherotich: “Tissue Culture of Pine Seedlings to Improve Vegetative Multiplication Rate” * Mindoro Razoki: “Juvenile-Mature Correlations of Wood Property Traits in E. pellita” * Gina Zabala: “New Methods to Screen for Ralstonia (Bacterial Wilt) Tolerance in Eucalyptus”   **Group Discussion**   * Camcore Research – current and future projects, budgets * Camcore Seed Acquisiton – future plans |
| 8-Oct | Sun | Raleigh | Optional Activities   * Jordan Lake Educational State Forest, Apex NC * Umstead State Forest, Raleigh NC * Uwharrie National Forest, Uwharrie NC * Hemlock Bluffs, Cary NC |
| 9-Oct | Mon | Hamlet  Mt Gilead  Asheville | **NC Forest Industry**   * **Enviva Biomass** * wood pellet energy company, Hamlet NC * wood energy industry, whole tree harvesting and slash removal impacts on soil nutrition, etc. * **Jordan Lumber** * Sawmill, Mt Gilead NC: state-of-the-art sawmill completed in 2018   Travel to Asheville |
| 10-Oct | Tue | Asheville | **USDA Forest Service**   * Camcore Domestic Gene Conservation Program * Hemlock Silviculture and Reintroduction * USDA Resistance Screening Center – laboratory screening of fusiform rust *(Cronartium fusiforme)* and pitch canker *(Fusarium circinatum)* |
| 11-Oct | Wed | Asheville | Advisory Board Meeting  Closing Dinner |
| 12-Oct | Thu | Raleigh | Travel to Raleigh & RDU Airport |