**Appendix to Request for Proposals on “Tracking Climate Solutions in Georgia”**

**Deliverables & Tentative Schedule**

1. Winning grants selected—*April 30, 2023*
2. Grants processed with winning institutions—*May 31, 2023*
3. Outline of the final report and a description of the data to be used.—*June 30, 2023*
4. Draft report of approximately 5,000 words, including maps and graphics.— *August 15, 2023*
5. Final report with supplemental appendices describing the data used in the maps and graphics and including data files.—*September 30, 2023*

While the Drawdown Georgia project wants rights to use the data you collect on climate solutions, this should not prevent research teams from publishing their results. Indeed, this is encouraged. Data from the grants will be used to create a Drawdown Georgia Climate Solutions Tracker, through which the geo-coded data will be publicly available for the purpose of accelerating the uptake of climate solutions in Georgia.**Data Submission:**

The data should be geo-coded and submitted at the time of the final report. Geocoding could be done by latitude/longitude, zip codes, census tracts, local jurisdictions, counties or FIPs codes, or polygons. For geographic data, we prefer shapefiles at the highest reasonable spatial resolution. For non-spatial datasets, spreadsheets would be okay, but we’d like even non-spatial data to have geographic identifiers if they’re available. Those could be county names or FIPS codes, city names, zip codes, etc.

If metadata is developed, provide references to the original raw data sources, and a description of the analytical, modeling, interpolation, or downscaling procedures that were applied to the original data, plus information on the time period covered by the data and how frequently the data is updated.

**Sources of spatial data for these solutions are highly variable. Examples include:**

* Government sources such as the American Community Survey and the U.S. Census of Population.
* Trade associations and companies such as S&P Global, ESRI, Bloomberg, or Wood MacKenzie. Scraping data from the Internet is another option.
* Contacting major suppliers of equipment and appliances is also a possibility, such as Home Depot and Lowes (e.g., for heat pump water heaters and smart thermostats).
* Remote sensing and aerial photography is another possibility (e.g., for solar arrays or forest cover). Urban tree coverage is now being tracked.
* Plant-rich diet—how many people are talking Vegan? For instance, we have good news media data from the library, so looking across all of the Georgia newspapers might be a possibility for assessing lifestyle-type actions like composting and recycling. Similarly, we could look at sales of plant-based meat alternatives over time to get an idea of the market, as many non-vegans may eat a plant-based meal a few days a week to help reduce their overall impact.
* As for missing geospatial data, in the transportation area you might mention the National Household Travel Survey (conducted by ORNL). See the “Compendium of Uses” at <https://nhts.ornl.gov/assets/2020_compendium.pdf>.

**Additional Resources**

In 2020-21, Drawdown Georgia examined ~100 climate solutions and identified a set of 20 that appear to be most promising to reduce Georgia’s GHG emissions by 2030. You can read about these solutions and the Drawdown Georgia project [here](https://www.pnas.org/content/118/31/e2100008118) .

The [Drawdown Georgia Research Portal](https://cepl.gatech.edu/projects/Georgia-Drawdown) has information compiled by the Drawdown Georgia project, about the high-impact climate solutions selected for Georgia. Also, at the bottom of the Georgia Tech [Climate Solutions Portal](https://climatesolutions.gatech.edu/) , you’ll find PPTs and videos covering five solutions.  For additional information about the broad-based activities of Drawdown Georgia, go to [drawdown.org](http://flyer).

**Here are Links to the PPTs and Videos for the Fall 2022 Seminar Series on Tracking Climate Solutions:**

Sept 15 - Composting & Afforestation (Drs. Jeff Mullen & Jackie Mohan) PPT [here](https://docs.google.com/presentation/d/1XPar7nJqSoKhGPHJesdT6hGp3hj0-p4a/edit#slide=id.p1)

Oct 6 - Electric Vehicles (Dr. Rich Simmons and Anne Blair) PPT [here](https://docs.google.com/presentation/d/1DHthNve8NG3B9iP4MTpacMdfiSABP9sc/edit#slide=id.p1); [video here](https://drive.google.com/drive/folders/1PLR0pC40OqC3ACqOH9jdMtYTZ-nGEkAr)

Oct 14 - Rooftop Solar (Jeff Pratt and Bryan Jacob) PPT [here](https://docs.google.com/presentation/d/156JeMHpEdGxVNoru5R70bUa_Vfqw6zJi/edit#slide=id.p1)[;](https://docs.google.com/presentation/d/1l3roDWKvOtD3AGiLMeq1Tnjp2_SDPrbS/edit#slide=id.p1) video [here](https://drive.google.com/file/d/1tyfNMgy2TA84TB_qD8kr9wEhwSa7YyA9/view?usp=sharing)

Nov 3 - Recycling & Circular Economy (Dr. Beril Toktay and Emma Brodzik) PPT [here](https://docs.google.com/presentation/d/1GyA7QtfqsbWk78OJJCGWf3h0VwcZQS1t/edit#slide=id.p1); video [here](https://drive.google.com/drive/folders/1lVhs96TkDpIIsVb3Nw48_zU9d07Dq3uz)

Nov 17 - Heat Pumps and Retrofitting (Garry Harris and Jeff Smith) PPT [here](https://docs.google.com/presentation/d/1QAkCXPhYTgrG047ABlbq0_LBYmqSDKut/edit?usp=sharing&ouid=103468044752694842969&rtpof=true&sd=true); video [here](https://drive.google.com/file/d/1LgZJALNFLkXQzucsVudm1kcZwje1k1AO/view)