

**EMERGING RESEARCH SHOWCASE:  
Long-Term Carbon Sequestration**

Tuesday, February 21, 3:00–6:00pm

**AGENDA with Video Timestamps**

3:00 p.m. – Welcome and the View from Industry

* **00:00:23** Welcome and CALS Overview: [Steve Lommel](https://cals.ncsu.edu/people/steven-lommel/), CALS Associate Dean for Research and Director of [NC Agricultural Research Service](https://cals.ncsu.edu/research/)
* **00:02:55** Welcome: [Dr. Adrian Percy](https://ncsu.us2.list-manage.com/track/click?u=7df1e6d58a3aa2fb6acf84ea1&id=40b245a60b&e=ad2935105b), Executive Director of NC State’s [Plant Sciences Initiative](https://ncsu.us2.list-manage.com/track/click?u=7df1e6d58a3aa2fb6acf84ea1&id=62a650d68b&e=ad2935105b)
* **00:05:20** Welcome: [Mark Schmidt](https://partnerships.ncsu.edu/meet-our-team/), Associate Vice Chancellor for Partnerships
* **00:08:34** The Case for Long-term Sequestration: [William Joe Sagues](https://www.bae.ncsu.edu/people/wjsagues/), Assistant Professor, [Biological and Agricultural Engineering](https://www.bae.ncsu.edu/), NC State University
* **00:18:07** How Healthy Soils Can Help Battle Climate Change: Arlene Cotie, VP of Global Ecosystem Product Management, [Bayer Crop Science](https://www.bayer.com/en/agriculture)
* **00:35:00** Emerging Voluntary Markets for Carbon Removal: Daniel Sanchez, Chief Scientist for Biomass Carbon Removal and Storage, [Carbon Direct](https://www.carbon-direct.com/)

4:00 p.m. – Faculty Research Briefs

* **00:56:53** [Alex Woodley](https://cals.ncsu.edu/psi/people/alwoodle/): Trade-offs and Opportunities for Climate-Smart Agriculture
* **01:05:05** [Christopher Osburn](https://meas.sciences.ncsu.edu/people/closburn/): Coastal Marine Carbon Dioxide Removal (mCDR)
* **01:11:43** [Sonja Salmon](https://textiles.ncsu.edu/people/sisalmon/): Biocatalytic Direct Air Capture
* **01:17:28** [Minliang Yang](https://www.linkedin.com/in/minliang-yang-a3397aa1/): Mitigating Carbon Emissions Through Value-added Bioproducts
* **01:23:01** [Justin Baker](https://cnr.ncsu.edu/directory/justin-baker/): Quantifying Economic Tradeoffs of Carbon Sequestration in the Global Agriculture and Forestry Systems

4:30 p.m. – **01:29:48** Panel Discussion and **1:48:31** Student “Two Minute Pitches”

5:00 p.m. – Formal Program Concludes / Networking Reception

*In compliance with the Americans with Disabilities Act, NC State will honor requests for reasonable accommodations made by individuals with disabilities. Direct accommodation requests to the NC Agricultural Research Service office at 919-515-2717. Requests can be served more effectively if notice is provided at least 10 days before the event.*