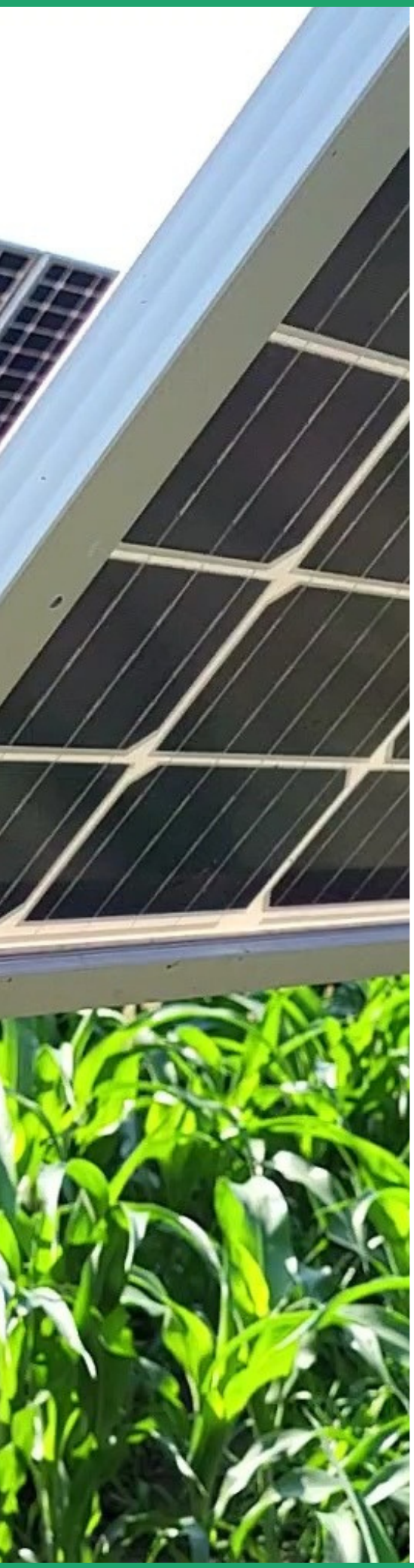

WELCOME TO THE SCAPES NEWSLETTER

By Madhu Khanna

Dear Subscribers,

We're thrilled to bring you the latest updates from our exciting research endeavors! At the University of Illinois Urbana-Champaign, we have not one, but two fantastic locations to conduct our agrivoltaics research. One is nestled within an existing solar farm facility, while the other has been constructed using recycled panels repurposed from a recently demolished building on campus. Talk about sustainability in action!

Our team is hard at work collecting valuable data on agrivoltaics, exploring both the performance of crops and the efficiency of solar panels. We've been engaging in insightful focus groups with farmers and solar developers, collaborating with experts from Illinois to Arizona.

And that's not all! Get ready for our groundbreaking "Virtual Agrivoltaics Open House" where you can interact with our experts and get answers to your burning questions. We're planning to host these interactive sessions every few months, so stay tuned for updates on future sessions.

In addition to our research in Colorado, we've uncovered some fascinating environmental benefits from the grasslands thriving beneath the solar panels. Furthermore, we're thrilled to announce that construction has commenced on our very own site at Colorado State University.

Mark your calendars — in September, we'll be gathering for our annual retreat in vibrant Denver, CO. We can't wait to share the exciting updates and discoveries with you in our upcoming newsletter.

Keep shining bright and stay tuned for more remarkable developments!

Best regards,
Madhu Khanna

August 2023

QUARTERLY NEWSLETTER

AGRIVOLTAICS

Growing Power with SCAPES

UPDATES FROM LAST QUARTER

FARMING IN THE SHADOWS

The University of Illinois Urbana-Champaign has established two new agrivoltaics locations: one at the existing Solar Farm 2.0 and another at the newly constructed arrays in the Energy Farm. These locations are currently cultivating three crops (soybean, sorghum, and red clover) in partially shaded areas.

CLICK HERE FOR VIDEOS

TRANSATLANTIC FARMERS' EXCHANGE

By Basia Latawiec

As part of the U.S.-German Forum on the Future of Agriculture, farmers from the Corn Belt and participants from eastern Germany had the opportunity to visit our agrivoltaics plots at Solar Farm 2.0. Participants explored exemplary agricultural practices firsthand and engaged with local representatives from government, business, and academia, further enriching their experience.

READ MORE

Institute for Sustainability, Energy, and Environment (iSEE)

GRANT # 2021-68012-35898

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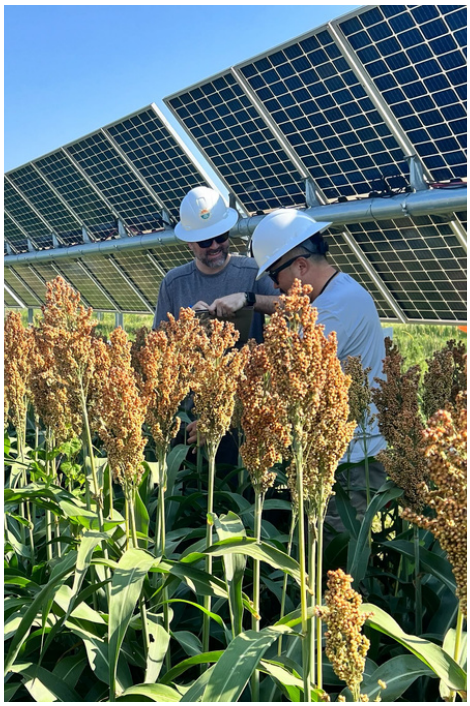
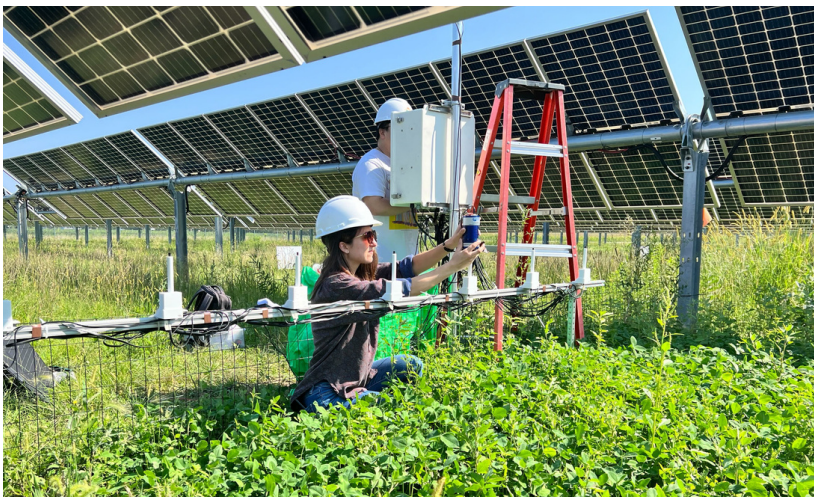
NEW TEAM MEMBERS

Agrivoltaics has flourished this quarter with exciting new additions to the team! Join us in welcoming Holly, Maria, and Carrie (top row) along with Tyler, Alyssa, and JK (bottom row).

RECENT PUBLICATIONS

1. "Knowns, uncertainties, and challenges in agrivoltaics to sustainably intensify energy and food production" published Aug. 16 by our Illinois team in *Cell Reports Physical Science*.
2. "Ecovoltaic principles for a more sustainable, ecologically informed solar energy future" published Aug. 10 by our Colorado team in *Nature Ecology & Evolution.*
3. "From niche-innovation to mainstream markets: Drivers and challenges of industry adoption of agrivoltaics in the U.S." published July 15 by our Arizona team in *Energy Policy*.





OUR FIRST OPEN HOUSE

Guided by Dennis Bowman and led by Nenad Miljkovic, we ventured into agrivoltaics, exploring solar impact, crop yield, finances, and future plans. Curious to join? Hop in for the next round and share your thoughts!

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