

## Zachary Goff-Eldredge – 5/4/22 – Presentation Chat

00:18:16 David Kay: Zachary Goff-Eldredge is a Technology Manager for the Strategic Analysis and Institutional Support team, joining the DOE's Solar Energy Technologies Office in June 2019. His projects are focused on finding innovative ways to manage land-use of solar energy, including innovative siting solutions such as combining solar energy and agricultural production. In collaboration with National Laboratories and SETO's sister offices in the Office of Energy Efficiency and Renewable Energy, Zach works to improve models that are important in understanding the growth and operation of solar energy and to conduct and assist in analysis relating to decarbonization of the electric grid and wider energy system.

00:33:02 Rick Schumann: I recently read an article about transparent solar panels. Do you have any information on that and could it be a partial solution to the land use issues?

00:34:37 Betsy Newman (WRDC): As Zach noted earlier, many states are developing and sharing details on planting around solar panels. Here's one example: Virginia Department of Environmental Quality and Department of Conservation and Recreation have developed the Virginia Pollinator-Smart Program, an ecologically-responsible program to encourage pollinator friendly solar energy developments throughout the Commonwealth of Virginia. <https://www.dcr.virginia.gov/natural-heritage/pollinator-smart>

00:35:36 Jennison Kipp (she/her): 3-part question: 1) How closely is DOE working with utilities (investor-owned and public) to identify the most cost-effective, "shovel-ready", and scalable large-scale solar development? 2) Do you have any advice for those of us working in states (like Florida) where utility incentives for solar shift with the political winds (and are currently still promoting switching to natural gas appliances)? 3) How can the Extension Service help connect DOE with local communities to accelerate solar deployment?

00:47:24 D'Ann Williams (she/her): Has DOE done or is DOE doing research on the decommissioning of solar panels, batteries and storage and recycling the components of these solar systems, essentially making the system circular? I know there is concern about potential heavy metal contamination and the challenges of the waste that is generated?

00:49:26 Jennison Kipp (she/her): <https://www.agrisolarclearinghouse.org/>

Agrisolar Clearinghouse

00:53:30 Nathan Scott: Would love to get access to see Zach's slides

00:53:50 Jennison Kipp (she/her): I second that, Nathan!

00:54:35 Zach Eldredge (he/him) - DOE: I will send slides to David/Betsy afterwards

00:56:45 Scott Laursen (PI-CASC, Hawai'i Island): Thank you very much for your thoughts on crypto Zach. Really important and exciting talk!

00:57:44 Wendy Hamilton: Who are the 8 pollinator states and what agencies are involved in the project?

01:00:09 Jennison Kipp (she/her):As an environmental economist, I couldn't agree more! thank you for addressing that question, Zach

01:02:41 Glenna Gannon:Excellent presentation, will we be able to access the recording on the NECI site after?

01:04:44 Jennison Kipp (she/her):Glenna: yes, it will be posted along with past Professional Development recordings at <https://nationalexensionclimateinitiative.net/pd-meetings/>

01:05:01 Glenna Gannon:Thanks!

01:10:20 Zach Eldredge (he/him) - DOE:Feel free to contact me: zachary.eldredge@ee.doe.gov

01:13:15 Haines, Anna:Thanks! Much appreciate the tip about the fellowship. I will forward to students!

01:13:35 ENORLAND:I have to head to a 4 PM meeting. Thanks Zach! Lots of potential for Extension work here.

01:13:58 Zach Eldredge (he/him) - DOE:thank you all!

01:14:27 Wendy Hamilton:Next month is Dr. Sara Via. CES Climate Specialist, Un of Maryland

01:14:40 Scott Laursen (PI-CASC, Hawai'i Island): Thank you very Zach for this exciting information and honest perspectives on the state of the science!

01:14:45 D'Ann Williams (she/her):Thanks Zach this was tremendously informative!

01:14:57 Nathan Scott:Thank You!