



THE WORLD FOOD PRIZE

2020 Norman E. Borlaug International Symposium

Breaking New Ground: *Building Resilience Today for Improved Global Food Systems Tomorrow*

Roundtable | Carbon Sequestration, Sustainability in Agriculture and the Rise of Carbon Markets

2020 Borlaug Dialogue WhoVa Event Chat Archive

Meghna Ravishankar

Check out the resource thread for this session:

https://whoVa.com/portal/webapp/ibdft_202010/CommunityBoard/topic/404113/

Austin Castillo-Leovan

Welcome to the roundtable discussion on climate change! Introduce yourself! Please share your name, affiliation, and something you are looking forward to hearing about in this session.

Morgan Day

Woah, can't wait to hear from this EXCELLENT lineup of speakers on such an important topic.

Amy Bettle

Hello Austin! I'm watching from Des Moines, Iowa

Luke A. Sloterdijk

Hey everybody! I am watching from Ames, Iowa and am excited to hear more about how to incentivize sustainable global agriculture!

Deb Gangwish

Hi All! Deb Gangwish from Nebraska! Excited to attend virtually
Oop Excited to attend virtually and hear this fantastic line up of speakers!!! Loved the Keynote session and look forward to the many sessions through the week!!

Abbey Riemenschneider

Hey all! I am watching from Ames, IA! I am so excited to hear from this amazing lineup of speakers! I hope everybody has an amazing day!

Julius Tillery

Julius from North Carolina here

Jessica Blosberg

Jessica joining from Minnesota, USA. It's so nice to see so many great leaders here!



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Christi Dixon

Watching from St. Louis, Missouri - welcome to all of the farmers who have joined today!

Austin Castillo-Leovan

My name is Austin Castillo-Leovan, and I work with the World Food Prize Foundation. I am looking forward to sharing additional resources with you during this session!

Norma Toussaint

Norma Toussaint from Washington, DC. Supporting food security projects in Senegal and Mauritania.

Summer LaRose

Hi everyone, I am Summer joining from Columbia, Missouri!

Austin Castillo-Leovan

Be sure to look at "Soil Carbon Sequestration Impacts on Global Climate Change and Food Security" by 2020 World Food Prize Laureate Dr. Rattan Lal as he discusses soil management practices to increase the global soil carbon pool!

<https://science.sciencemag.org/content/304/5677/1623.full>

Meghna Ravishankar

Thanks everyone for joining!

Christi Dixon

Who

is paying for farmers to adopt new practices, add equipment, and engage in new markets? Predictions on the money trail?

Nicole Barreca

"Humans are mirror images of the soil living on it. If soil is healthy, the people living on it are healthy, and vice versa." - Dr. Rattan Lal, 2020 World Food Prize Laureate #FoodPrize20

Morgan Day

"The issue is soil health, but the issue is also deforestation, so let's go after both!" - Erik Fyrwald

Austin Castillo-Leovan

Great question Christi. Looking forward to hear how speakers will answer it.



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Meghna Ravishankar

"Just good development gets us 2/3 of the way there. CHanging policy will get us all the way" - Elwyn Grainger-Jones

Moses Tia

Hi I am Moses Tia from Ghana

Megz Reynolds

As a grain farmer that has been part of discussions in Canada surrounding environmental impact labelling on products I advise and request caution. What is labelled and defined as sustainable and regenerative on a farm in Saskatchewan Canada does always transfer to a neighbouring farm in Ontario Canada or a rice farm in Nigeria. Farmers need to be supported and encourage to be sustainable for their operations, their environments, their economic and socio-economic needs as well as the sustainability of their legacy and succession plans.

Alisson Ntwali

Hello everyone!

Deb Gangwish

On our farm we have been using no-till and cover crops for close to 25 years. We have worked closely with a former USDA- ARS soil scientist who also happens to be a landlord for all of 25 years. we always have room for improvement and strive to increase our soil health every growing season. My question centers around the margin of soil health improvement. Many of the programs for paying farmers for soil friendly production practices center on new adoption. How do we as early adopters fit in the ecosystem services model. Will our baseline soil health be taken into consideration?

Austin Castillo-Leovan

Such a great quote Meghna! Be sure to look at this FOLU report: "Growing Better: Ten Critical Transitions to Transform Food and Land Use (2019)" which calls industry professionals to envision how food and land use systems can be used to transform global climate change resilience over the next 10 years!

<https://www.foodandlandusecoalition.org/wp-content/uploads/2019/09/FOLU-GrowingBetter-GlobalReport.pdf>

Matt Mayer



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There needs to be an economic benefit to change farmer behavior of “traditional” farming methods. Not a subsidy. But a market that is available to farmers using regenerative ag practices.

Mark Edge, Public Affairs Science & Sustainability

Great to see the comments and insights from farmers participating in the discussion - the pragmatic perspective is much appreciated.

Alisson Ntwali

I am Alisson Ntwali watching this from Lincoln, Nebraska. I am student of the University of Nebraska-Lincoln.

Austin Castillo-Leovan

Thank you Megz for your Input!

Great point Matt! Everyone, take a look at “Carbon taxes versus Cap and Trade: A Critical Review” which discusses various ways to incentivize emission reduction strategies to be implemented across the economy.

<https://www.worldscientific.com/doi/abs/10.1142/S2010007813500103>

Thato Moagi

Hi. I am Thato Moagi. A farmer from South Africa. Really positive and engaging session

Austin Castillo-Leovan

Here is some additional information!

<https://media.bayer.com/baynews/baynews.nsf/id/Bayer-takes-steps-to-make-carbon-sequestration-a-farmers-newest-crop-opportunity>

Stella Salvo

Great to hear from Gabriel on key priorities from a farmer perspective, thank you!! Also loved hearing the sense of urgency from Liam. "We have to act now!"

Morgan Day

Great perspective from Gabriel--How can we monitor and evaluate progress and practice without adding additional burden on farmers?

Julie Howard

Hi - Julie Howard from the Center for Strategic and International Studies, Washington. Question for Tamara - thank you for talking about ensuring equity as we adapt our systems, and also for your comments about the contributions of



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indigenous knowledge. From your experiences, what are some of the most effective ways we can engage under-represented and indigenous communities in discussions and actions?

Luke A. Sloterdijk

“For me, getting to no till helped me a lot with predictability.” -Gabriel Carballal, Farmer, Uruguay, Global Farmer Network

Nicole Barreca

“This engagement piece is so critical in how we move forward. There is a lot of untapped knowledge yet that has been working for generations.” - Tamara Marcus, UMN PhD Candidate and Sustainability Program Manager, Linn County, Iowa
#FoodPrize20

“Who has access to these new innovative technologies? When we think of adaptations, we need to think about it in an equitable way.” - Tamara Marcus, UMN PhD Candidate and Sustainability Program Manager, Linn County, Iowa
#FoodPrize20

Thato Moagi

Great comment Christi. How can we incentive farmers, who primarily farm for profit to adapt to sustainable techniques. How can policy and science enable farmers to make better choices?

Austin Castillo-Leovan

Thank you for bringing this comment back to our attention. Be sure to check out the “Growing Climate Solutions Act”

https://www.braun.senate.gov/sites/default/files/2020-06/Growing%20Climate%20Solutions%20Act%20One%20Pager_0.pdf

Additionally, check out the 2019 COP25 Report! One of the key takeaways from the report is the Lima work programme on gender the COP created and also adopted an enhanced five-year work programme, which the Subsidiary Body on Implementation will review in 2024.

https://www.ieta.org/resources/Documents/IETA-COP25-Report_2019.pdf

<https://www.agriculture.senate.gov/newsroom/dem/press/release/stabenow-braun-introduce-new-bipartisan-bill-to-help-family-foresters-develop-climate-solutions-access-economic-opportunity>

Alana Calhoun

Go Michigan!



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Austin Castillo-Leovan

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https://www.braun.senate.gov/sites/default/files/2020-06/Growing%20Climate%20Solutions%20Act%20One%20Pager_0.pdf

Nicole Barreca

"While we've made progress in climate policy, there is so much more to do, and a great sense of urgency to do it. That's where [scientists] come in. We need your leadership. We need your expertise, We need your voice." -Debbie Stabenow, Senator, Michigan, US Senate #FoodPrize20

Gabriela Cruz

We having been practicing no-till for 22 years in our farm in Portugal. With frequent droughts we find that with no till, with an increasing organic matter soils profit largely from the rain&irrigation

Morgan Day

"Farmers are the world's largest group of land stewards." - Sally Rockey
This is where Dr. Borlaug would say we've got to "Take it to the Farmer!"
Yes, how can we support smallholder farmers in this important shift?

Ellen Franzenburg

"When I harvest, I harvest the crop, I harvest information, and I harvest CO2 from the atmosphere. That is a win-win-win, not just a win-win." Gabriel Carballal

Summer LaRose

There are lots of questions in the Session Q&A - would love to see those asked to the roundtable!

Morgan Day

Smallholders feed the world!

They are also most hit by climate change, and are great stewards of their land.



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Julius Tillery

Farmers need better incentives to keep up with the data

Megz Reynolds

In Canada and the USA people on average need to make \$60,000 per year before they look past price and start carrying about sustainability when selecting their groceries. In the conversation of front of pack labelling driving sustainable change in agriculture we need to remember that there are many people that cannot afford to be 'part of the conversation'. We need to encourage systems that support farmers and also our global community members to create and have access to sustainable food and food transportation systems.

Morgan Day

Absolutely right, Elwyn!

Julie Howard

Excellent point, Megz- thanks. We really can't afford for sustainability to be a luxury good for those who can afford it.

Morgan Day

"Shared action, collaboration is incredible important to scaling and standardizing[ecosystem services]."

Austin Castillo-Leovan

Thank you all for attending and participating in the chat!

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