



# THE WORLD FOOD PRIZE

2020 Norman E. Borlaug International Symposium

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

## **Opening Session | Translating Climate Science to Action**

2020 Borlaug Dialogue Whova Event Chat Archive

Glen Morris

Hello, and welcome to the opening panel discussion of the Borlaug Dialogue! We are so excited to have you join us! Introduce yourself! Please share your name, affiliation, and something you are looking forward to hearing about in this session.

Amy Bettle

Hi Glen! I'm watching from Des Moines, Iowa :)

Kate Keresztes

My name is Kate Keresztes and I am a delegate to the Global Youth Institute from New York State! I am excited to hear the proposed action pathways!

Glen Morris

What a great group so far, nice to meet you! My name is Glen Morris, and I am volunteering with the World Food Prize Foundation. I am looking forward to sharing additional resources with you during this session!

Morgan Day

I'm joining from Portland, OR. I'm SO excited to be joined together in this virtual space in such a critical time to talk about food systems.

Elisabeth Ward

I'm Elisabeth Ward, a group leader for the Global Youth Institute and a student at North Carolina State University. So excited to hear from former VP Gore and Dr. Lal!

Noel Habashy

Hello all, I'm Noel Habashy, from Penn State University.

Brad Kinsinger

Greetings from Waterloo, Iowa, USA and the Global Agriculture Learning Center at Hawkeye Community College!

Erin Rosebrock

Hi! I'm a plant science student at Clemson University watching from Clemson, SC!

Morgan Day



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I can't wait to hear Vice President Gore and Dr. Lal speak together about climate action!

Kate Keresztes

Did the livestream just crash for anyone else?

Jack Pieper

Hi! I'm Jack Pieper from Ames, Iowa and I'm a Group Leader for Group 25 for the Global Youth Institute. I'm really excited to hear from the laureate!

Tristen Davis

Hello! My name is Tristen Davis and I am a delegate from Mount Pleasant Community Highschool! Pleasure to meet you all!

Alana Calhoun

Yes it did, just reload the page:)

Kate Keresztes

It just returned! Thank you!

Holly Enowski

Hi all, I'm Holly Enowski, a group leader for the Global Youth Institute and a long-time supporter of the World Food Prize. Joining from Missouri! Super excited for the discussion about climate change.

Emma Barrett

Hello! My name is Emma Barrett and I am a delegate from the Pennsylvania Youth Institute!

Eric Stollenwerk

Hello! My name is Eric Stollenwerk. I'm a delegate from South Jersey for Cedar Creek High School.

Ashley Armstrong

Hi all! My name is Ashley Armstrong. I am a current student at Hawkeye Community College in Waterloo, Iowa. I am here as a group leader for GYI Group 13!

Federico Villarreal

My name is Federico Villarreal, Director of Technical Cooperation in the Inter-American Institute for Cooperation on Agriculture (IICA). I am very interested in



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listening to the presentations and mainly to Dr. R. Lal. The subject is really very important and the exhibitors are, without a doubt, up to the task.

Glen Morris

So great to meet everyone! As a reminder, here is a direct link to this weeks agenda!

[https://www.worldfoodprize.org/en/borlaug\\_dialogue/2020\\_borlaug\\_dialogue/agenda/](https://www.worldfoodprize.org/en/borlaug_dialogue/2020_borlaug_dialogue/agenda/)

Luke A. Sloterdijk

Hi everybody! I am watching from Ames, Iowa and am excited to hear from Dr. Lal as he speaks to how soil can be used to sequester atmospheric carbon as a means of eliminating future climate change!

Elias Guedira

Hi! My name is Elias Guedira and I'm a student delegate from Raleigh, North Carolina. I am excited to hear from these guest speakers!

Alana Calhoun

Hi! I'm Alana Calhoun, I'm so excited to learn from this opportunity! I am a Youth Delegate from Michigan!

Elizabeth Laferriere

I'm a Program Specialist with Land O'Lakes Venture37 joining from Arden Hills, Minnesota. I'm looking forward to discussions surrounding resilient food pathways!

Caitlynn Fortner

Hi, I'm Caitlynn watching from Denver! I was a Borlaug-Ruan and Wallace-Carver Intern, and I am looking forward to learning more about Dr. Lal and sustainable initiatives as well as where the biggest opportunities are to make a difference

Nichola Dyer

Greetings all, from Washington DC! Excited to hear from The Honorable Al Gore and this year's WFP Laureate Dr Rattan Lal!

Glen Morris

Check out some more information on Generation Investment Management

(<https://www.generationim.com/>) The Climate Reality Project

(<https://www.climaterealityproject.org/>)



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Sally McClaskey

Watching from Ohio - Ohio Youth Institute director. Congrats to Dr. Lal!

Morgan Day

Great resources, Glen. Thank you!

Kristi Celico

Watching from Boulder, Colorado. I am a mediator on environmental public policy issues.

Amy Bettle

You can "like" questions under the Q&A tab or ask your own!

Leah Marie Lucas

Hello to all, Leah Marie Lucas here, with the US Overseas Cooperative Development Council. Excited to be here and hope to see some of you at our side event this afternoon at 1 pm CST!

Joi Latson

Watching from Des Moines, Iowa. So excited to hear about climate action from an agricultural viewpoint!

Glen Morris

Regenerative agriculture is such an important topic! Make sure to look at "Synergies between the mitigation of, and adaptation to, climate change in agriculture" as it discusses the economic relationship between agriculture and climate change mitigation!

<https://www.cambridge.org/core/journals/journal-of-agricultural-science/article/synergies-between-the-mitigation-of-and-adaptation-to-climate-change-in-agriculture/20FFDF69A92646BBE7390A2B54B10B58/core-reader>

Elizabeth Laferriere

Thank you for sharing the link!

Meghna Ravishankar

So excited to have everyone here! Thanks for joining us!

Ashley Armstrong



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I have seen my neighbor and my grandfather adopt cover crops on their farms this year! It is very exciting!

Daniel Korir

Hello, my name is Daniel Korir, I am a climate change mitigation/livestock production student in East Africa,

Krystal Montesdeoca

Good morning everyone! Krystal Montesdeoca here. I'm a Data Scientist at John Deere.

Glen Morris

What a great discussion from Al Gore! Take a look at "The Effects of Global Climate Change on Agriculture" as it explores the impacts of climate change on agriculture such as yield changes, climate volatility, and more!

<http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.475.5379&rep=rep1&type=pdf>

Ethan Walters

Hello! My name is Ethan Walters. I am a Youth Delegate from Lafayette Indiana. I am looking forward to hearing from all the experts from around the world. I am very grateful for this opportunity and am excited for all the sessions this week.

Nabeeha Kazi

Congratulations to Dr. Ratan Lal! Greetings from Humanitas Global in Washington, DC - which sits on the ancestral lands of the Anacostans (also documented as Nacotchtank), and neighbors the ancestral lands of the Piscataway and Pamunkey peoples. Acknowledgement on this day when DC observes Indigenous People's Day. Looking forward to an inspiring week.

Glen Morris

How moving are these words from Dr. Rattan Lal?! What are some your takeaways from his messages? Read more about his story

[https://www.worldfoodprize.org/en/laureates/2020\\_lal/#:~:text=Rattan%20Lal&text=the%20united%20States-,Dr.,resources%20and%20mitigates%20climate%20change](https://www.worldfoodprize.org/en/laureates/2020_lal/#:~:text=Rattan%20Lal&text=the%20united%20States-,Dr.,resources%20and%20mitigates%20climate%20change)

Deb Gangwish

Hi All from Deb Gangwish in Nebraska - drying corn at our grain storage facility and so grateful to join virtually!!! Congratulations Dr. Rattan Lal!!!

Jobany Luna





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true

Nabeeha Kazi

Lifting this up! "Soil has the right to be protected. It should not be used and abused - it has the right to thrive." Dr. Ratan Lal

Glen Morris

What a great quote Nabeeha! Be sure to take a look at "Soil carbon sequestration and land-use change: processes and potential" as it explores the various factors that influence soil carbon sequestration!

[https://onlinelibrary.wiley.com/doi/full/10.1046/j.1365-2486.2000.00308.x?casa\\_token=XUT7QA6JkKUAAAAA%3Aldh1hxUqqs-8o8relph4ZT5fOOJWxvD2qgaEib8wIWlpaRU44E7R9Z1jjCj1cXj11aN9\\_Dmqku9KQ-U](https://onlinelibrary.wiley.com/doi/full/10.1046/j.1365-2486.2000.00308.x?casa_token=XUT7QA6JkKUAAAAA%3Aldh1hxUqqs-8o8relph4ZT5fOOJWxvD2qgaEib8wIWlpaRU44E7R9Z1jjCj1cXj11aN9_Dmqku9KQ-U)

Please check out the discussion thread dedicated to this roundtable in the Community Section of Whova. You can take a look at it while watching the session by clicking on the "Community Section" tab at the top of the chat box!

Luke A. Sloterdijk

"Farmers are the largest stakeholders and stewards of natural resources." - Dr. Lal

Nour abed

Hello My name is Nour ElHouda Abed from Algeria and i am one of the Borlaug trainee of Dr.Lal. I would like to congratulate Dr.Lal for his nomination as WFP 2020 Laureate, i had the honor and the chance to work with him at his department C-MASC.

Morgan Day

"Soil is like a bank account." - Dr. Lal. What a great concept for understanding the nature of soil protection!

Glen Morris

What great quotes Morgan and Luke!

Check out "Sequestering carbon and increasing productivity by conservation agriculture" by our 2020 World Food Prize Laureate Dr. Lal as he discusses the power of soil to sequester significant amounts of carbon out of the atmosphere!

<https://www.jswconline.org/content/jswc/70/3/55A.full.pdf>

Morgan Day

"We need a greater focus on regenerative agriculture." - Vice President Gore. How do we ensure these technologies and practices are broadly adopted at scale?



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IIASA-ISC Resilient Food Systems

Greetings from Laxenburg (AUT) and on behalf of IIASA and ISC sincere congratulations Dr. Rattan Lal!

Luke A. Sloterdijk

"It is not possible to have clean water and clean air until we have healthy soil" - Dr. Lal  
What a powerfully simple idea of the intersection between these natural resources!

Glen Morris

See more about carbon off-setting from the Generation Investment Management:

[https://www.generationim.com/firm-overview/sustainability-at-generation/!](https://www.generationim.com/firm-overview/sustainability-at-generation/)

Nichola Dyer

Great point Vice President Gore - keep information about farmers free, don't monetize it.

Nabeeha Kazi

Thanks @glenmorris. Will check out the link!

Nichola Dyer

Powerful point by Dr Lal - undervaluing carbon leads to a tragedy of the commons

Glen Morris

Such an important note Nichola! As we start to hear from Dr. Lal, be sure to look at "Managing U.S. cropland to sequester carbon in soil," as it explores the impacts of unlocking stored soil carbon into the atmosphere and the radiative forcing impacts on global climate.

[https://go.gale.com/ps/i.do?v=2.1&it=r&sw=w&id=GALE%7CA182339596&prodId=AONE&sid=googleScholarFullText&userGroupName=iastu\\_main](https://go.gale.com/ps/i.do?v=2.1&it=r&sw=w&id=GALE%7CA182339596&prodId=AONE&sid=googleScholarFullText&userGroupName=iastu_main)

Nichola Dyer

Thanks Glen!

Elisabeth Ward

For some of my GYI students who may not be familiar with the term "tragedy of the commons" please see this explanation

<https://www.econlib.org/library/Enc/TragedyoftheCommons.html>

Kiruba Krishnaswamy



# THE WORLD FOOD PRIZE

2020 Norman E. Borlaug International Symposium

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Thank you @Dr.Lal - "valuing the resources"

Justin Kurtz

How many worldwide are malnourished?

Morgan Day

Elisabeth, thank you! Such a critical concept as we consider collective action on climate change.

Alana Calhoun

2 billion I believe

Glen Morris

"Soil is translated to human health"- Dr. Rattan Lal. What are some areas of soil health that everyone is interested in? Micronutrition depletion? System management? What are your thoughts?!

Justin Kurtz

Great, thank you!

Lara Hanna-Wakim

Diet is the medication! Food is the vaccine!

Leah Marie Lucas

@Justin, you can explore the data here:

<http://www.fao.org/state-of-food-security-nutrition/2-1-1/en/>

Morgan Day

Tired: food deserts, Wired: food apartheid. What a fantastic framing of the issue!

Kiruba Krishnaswamy

Food is thy medicine- "humans are the mirror image of the land they live upon" - #food #apartheid - thank you for sharing your wisdom

Glen Morris

What a great point Lara! What Al gore is saying now is such an important note to that! Check out some more information here!

<https://blogs.worldbank.org/health/nutrition-and-agriculture-bridging-gap#:~:text=Physical%20and%20economic%20access%20to, costs%20which%20can%20lower%20food>





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Jack Pieper

"Let food be thy medicine" - Hippocrates. Such an important concept in our world today.

Kate Keresztes

Good question- research has found 0 till agriculture can reduce crop yield!

Norma Toussaint

It's great to hear more leaders use "Food Apartheid."

Lara Hanna-Wakim

Absolutely

Kiruba Krishnaswamy

So true!

Lara Hanna-Wakim

Mismanagement of soil! Can't agree more

David Strelneck

Our focus: focusing on nutrient relationships between soil and humans provides a very practical gateway or lever to all the other benefits also...water quality, carbon sequestration, and much more. Nutrition is not the only goal, but it is perhaps the most tangible focal point for action to achieve the full package of benefits of regenerative land management.

Glen Morris

2020 World Food Prize Laureate, Dr. Rattan Lal just motioned environmental issues or managing soil. Feel free to explore this important topic and tell us some of your thoughts! How would you address some of these issues? Make sure to look at "Synergies between the mitigation of, and adaptation to, climate change in agriculture" as it discusses the economic relationship between agriculture and climate change mitigation!

<https://www.cambridge.org/core/journals/journal-of-agricultural-science/article/synergies-between-the-mitigation-of-and-adaptation-to-climate-change-in-agriculture/20FFDF69A92646BBE7390A2B54B10B58/core-reader>

Matt Mayer



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I adapted regenerative ag practices 10 years ago on my farm in NW Iowa and it can be profitable!

Nutan Kaushik  
agree

Kate Keresztes  
@Matt- have you ever tried or thought about mycorrhizal fungi on your farm?

Glen Morris  
Thank you Al Gore and Dr. Rattan Lal! What great inspiring words! What were some great takeaways?!

Gabriela Cruz  
I have been practicing regenerative in Portugal on my farm for 22 years

Morgan Day  
GYI Delegates-- how will we answer Vice President Gore's call to action!? Your voice matters, we must support you in this shared cause.

Kate Keresztes  
I love the energy Dr Lal has when talking about soil health!

David Strelneck  
Anyone focused on nutrients as focal point or action strategy for achieving all the other ecosystem and human benefits, please get in touch with me. Thanks!

Kate Keresztes  
Soil nutrients or human nutrients?

Justin Kurtz  
This has sparked an internal fire! I am eager to combat the Climate Crisis by means of energetic education like this.

Nabeeha Kazi  
Love these concepts and messages we all need to push forward. The power of youth, food apartheid, farming soil, soil has rights, health of communities is a mirror image of health of soil, and more. Great start!



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Sally McClaskey

Great session-thank you!

Gabriela Cruz

Amazing session. Thank to all

Glen Morris

Don't let the discussion end here! Please check out the discussion thread dedicated to this roundtable in the Community Section of Whova. You can look at it by clicking on the "Community Section" tab at the top of the chat box! Hope to see you around and check out some of the side events going on this week! 2020 Borlaug Dialog:

[https://www.worldfoodprize.org/en/borlaug\\_dialogue/2020\\_borlaug\\_dialogue/2020](https://www.worldfoodprize.org/en/borlaug_dialogue/2020_borlaug_dialogue/2020)

Borlaug Dialog Side Events:

[https://www.worldfoodprize.org/en/borlaug\\_dialogue/2020\\_borlaug\\_dialogue/side\\_events/](https://www.worldfoodprize.org/en/borlaug_dialogue/2020_borlaug_dialogue/side_events/)

Ashley Armstrong

Thank you Honorable Gore and Dr. Lal!

Scott Willard

Great Discussion and Comments - Thank You!

Norma Toussaint

Great Session!

Nichola Dyer

Thanks for this terrific session@

Glen Morris

Thank you everyone for joining us on the opening ceremony to talk about translating climate science to action!

IIASA-ISC Resilient Food Systems

Thumbs up! Great session! Thank you so much!

Kate Keresztes

This was great! I wish I could attend every single session offered!

###