



U.S. DEPARTMENT OF AGRICULTURE

A large, stylized graphic of a globe or network sphere, composed of numerous small blue dots connected by thin white lines, set against a dark blue background. The graphic is positioned on the left side of the main banner.

# Global Agriculture Innovation Forum

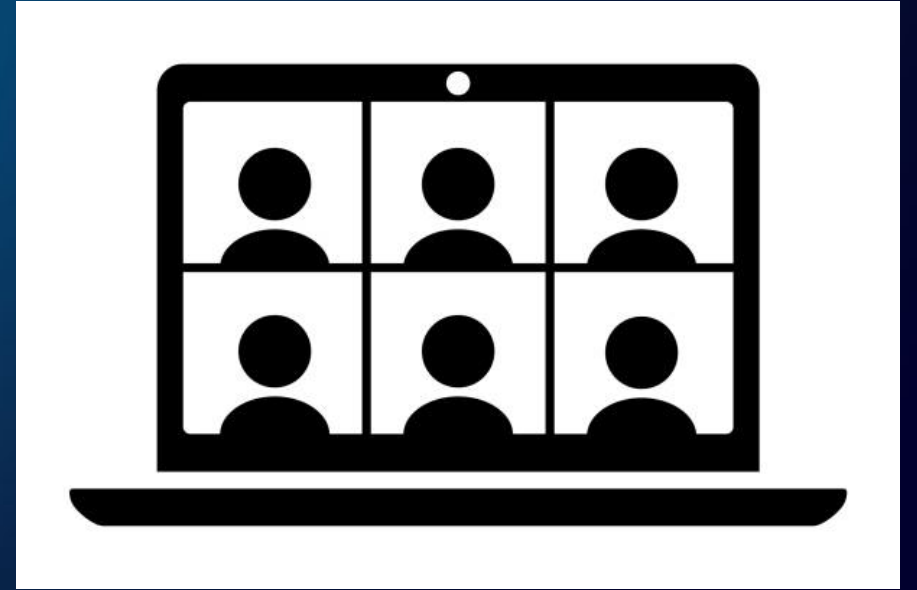


PURDUE  
UNIVERSITY®

College of Agriculture



# Rome...COVID... Plan B



# Global Agricultural Innovation Forum



“a series of themed, virtual events designed to create and support high-level agriculture bioscience and innovation dialogue, through which a broad range of stakeholders and audiences can share knowledge, innovations, and opportunities related to agriculture and technology.”

# Themes

- 
1. Farms and farmers of the future
  2. Innovations in Genetic Improvement of Agricultural Systems
  3. Innovations in Post-Harvest Management
  4. Innovations in Information and Communication Technologies
  5. Innovations in Entrepreneurship, Especially Among Youth
  6. Innovations in Scaling

# Themes

- 
1. Farms and farmers of the future
    - a. Opening session
    - b. Efficient in Producing Wholesome Products
    - c. Sustainable and climate-smart
    - d. Enabled with transformational technologies
    - e. Informed and connected to markets

# Themes

## 1. Farms and farmers of the future

### a. Opening session

- I. Enabled with Transformational Technologies – Beth Bechdol
- II. Productive and Efficient in Producing Wholesome Products  
– Raj Paroda
- III. Sustainable and Climate-smart – Dennis Garrity
- IV. Informed and Connected to Markets – Louise Fox

# Partnerships

- 
1. Farms and farmers of the future
  2. Innovations in Genetic Improvement of Agricultural Systems
  3. Innovations in Post-Harvest Management
  4. Innovations in Information and Communication Technologies
  5. Innovations in Entrepreneurship, Especially Among Youth
  6. Innovations in Scaling

**CropLife Intl**

**Scaling COP - ARD**

**Farm Foundation  
SVG Ventures/Thrive**







# Global Agriculture Innovation Forum



## HEAR

the latest ideas at the leading edge of agricultural innovation

The Forum was conducted as a series of six virtual events in 2021, each consisting of multiple sessions of presentations, moderated discussions, and Q&A sessions with world-renowned experts. A pitch contest provided an opportunity for entrepreneurs to present their business idea to a panel of judges and compete for prizes.



## CONNECT

with innovators and stakeholders with local and global perspectives

Participation in the Forum was FREE and open to all who have an interest in the application of agricultural innovations. Each event was recorded and may be viewed in our [YouTube playlist](#).



## BE INSPIRED

by entrepreneurs during the upcoming pitch contest





## RESOURCES

**Efficient use of agricultural inputs**

**+**

**Efficient use of water and energy**

**+**

**Efficient use of labor and capital**

**+**

**Enhancing safety, reducing waste**

**+**

# Farms and Farmers of the Future

## Session 2: Efficient in Producing Wholesome Products

### RESOURCES

#### Efficient use of agricultural inputs

[Fish Nutrition in Aquaculture's Future](#)  
(Article, Global Aquaculture Alliance, 2021)

[Guide to Efficient Plant Nutrition](#)  
(Article, Food and Agriculture Organization, 1998)

[Optimizing Nutrient Management for Farm Systems](#)  
(Article, National Health Institute, 2007)

[Energy Efficient Use of Fertilizer and Other Nutrients](#)  
(Article, Farm Energy Extension, 2019)

[Land Use for Edible Protein of Animal Origin](#)  
(Article, Institute of Animal Nutrition, Germany, 2017)

[Area-wide Integrated Pest Management \(AW-IPM\)](#)  
(Video, Food and Agriculture Organization, 2016)

[Innovative solution for animal feed](#)  
(Video, TedTalk, 2019)

[Nanotechnology](#)  
(Video, AgriCharms, 2020)

[Insect Pest and Disease Management in Organic Farming](#)  
(Article, Central Agriculture University, 2017)

[Pest and Disease Management](#)  
(Article, Grow Pittsburgh, 2020)

[Growing Plants in Alien Soil](#)  
(Article, Interesting Engineering, 2021)

#### Efficient use of water and energy

#### Efficient use of labor and capital

#### Enhancing safety, reducing waste



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### Global Agriculture Innovation Forum at Purdue University

665 views • Feb 4, 2021

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For more information, visit: <http://globalaginnovationforum.org>

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  - 3 **Global Agriculture Innovation Forum: Productive & Efficient...**  
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  - 4 **Global Agriculture Innovation Forum: Sustainable & Climate...**  
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  - 5 **Global Agriculture Innovation Forum: Transformational...**  
Purdue Agriculture 1:29:13
  - 6 **Global Agriculture Innovation Forum: Informed & Connecte...**  
Purdue Agriculture 1:26:28
  - 7 **Genetic Improvements in Agriculture: Global Agricultur...**  
Purdue Agriculture 1:00

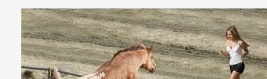


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Brian Tyler Cohen ✓  
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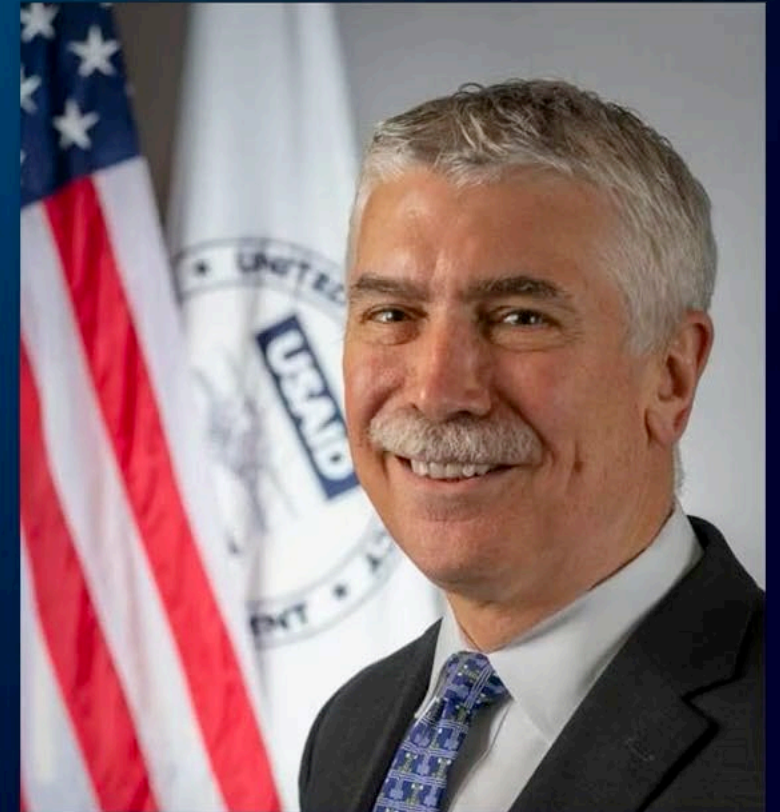
New



**Animals Reunited With Owners After Years !**

# Dr. Robert Bertram

*Chief Scientist,  
USAID*



# Ms. Ndidì Nwuneli

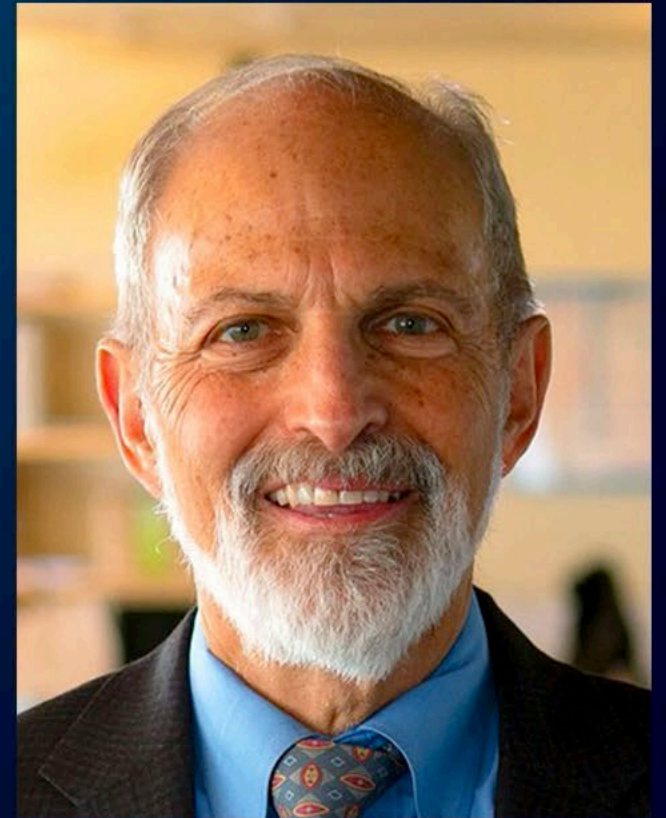
*Co-Founder & Managing Partner,  
Sahel Consulting:  
Agriculture & Nutrition Ltd.*





# Mr. Larry Cooley

*President Emeritus & Senior Advisor,  
Management Systems International*





Julie Howard



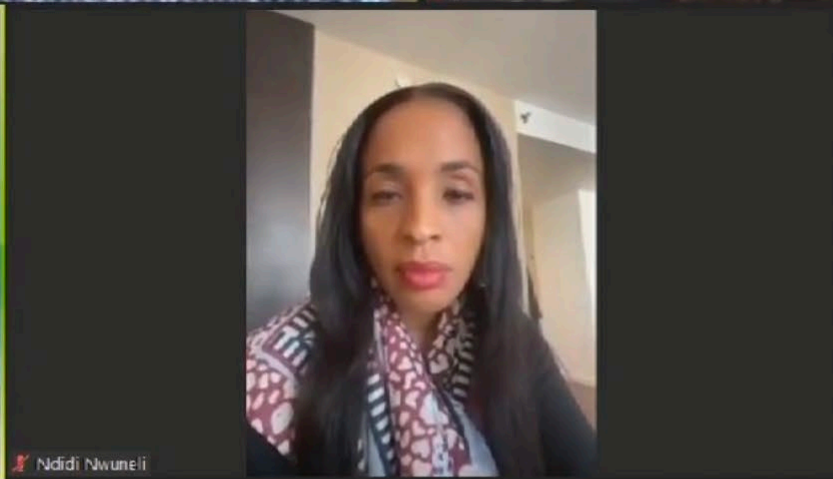
Larry Cooley



susan.chomba



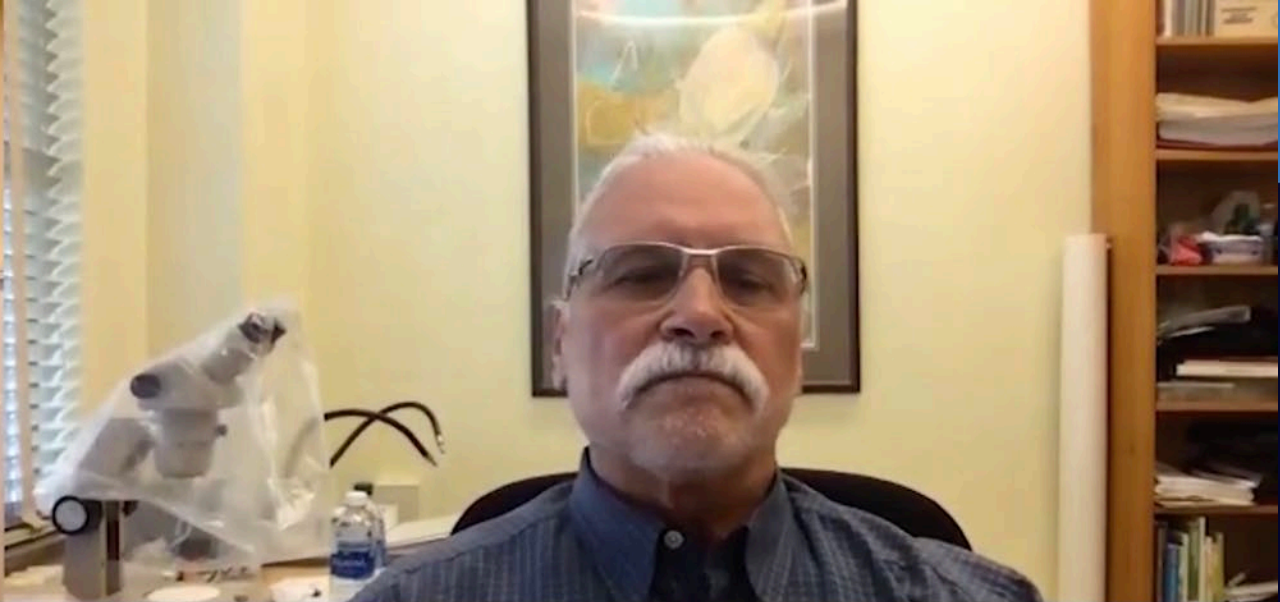
Frank Place



Ndidi Nwuneli



**DANNY O'BRIEN**  
Managing Director of EMEA | SVG Ventures | THRIVE



**DR. STEVE YANINEK**  
Professor of Entomology & Invasion Biology | Purdue University



**SHARI ROGGE-FIDLER**  
President & CEO | Farm Foundation




College of  
Agriculture

# A few metrics

- 20 sessions Mar. – Dec.
  - 101 speakers/moderators
  - 2600+ synchronous participants from 126 countries
  - 8,000+ views of recordings
  - 89% said Forums events had changed their thinking about agricultural innovations
- 

# Lessons learned

- Partnership and teamwork
  - Keep it focused and on time
  - 10 min presentation is about right
  - Make it easy for participants and speakers
  - Don't get fancy
  - Pre-record if possible
- 

# Partnership is key

## IPIA

Jerry Shively

Peter Hirst

Carole Braund

Lonni Kucik

Lynn Cornell

Sydney Klaveano

Wade Hart

## ITap

Ed Dunn

## Ag Comm

Maureen Manier

Kelsey Getzin

Amy Winger

Russ Merzdorf

## Other

Eric Kueneman

Shari Rogge-Fidler

Danny O'Brien

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