



U.S. DEPARTMENT OF AGRICULTURE



## Using ICT to Promote Connections Within Agricultural Systems

September 21, 2021



### Moderator

**Dr. Tamara Jackson**, Australian Centre for International Agricultural Research (ACIAR) SDIP Program Manager. Dr. Jackson has worked in South and South East Asia for the past decade with projects funded by the ACIAR. She has focused on farming systems projects that spanned a range of goals from improving farming and marketing systems, building capacity in systems thinking, and stakeholder engagement to foster communication and collaboration. With a background in the water-energy-food nexus, as a way of framing and understanding food systems, she has undertaken applied research on these issues in the context of agriculture and food security both in Australia and internationally.



### ICT to Increase Connectivity in the Sustainable & Resilient Farming Systems Intensification (SRFSI) Scaling Phase

**Dr. Brendan Brown**, Agricultural Innovation Scientist, International Maize and Wheat Improvement Center (CIMMYT). Dr. Brown's work focuses on the creative co-development of innovation pathways that build enabling environments to facilitate the adaption and implementation of potentially beneficial technologies. He currently focuses on researching pathways to facilitate the sustainable intensification of agriculture in the Eastern Gangetic Plains. Based in Kathmandu, Dr. Brown works across a portfolio of projects in South Asia including SRFSI, CSISA and



## **Development of a Visual Syllabus for Sustainable Capacity Building**

**Dr. Emma Karki**, Senior Research Officer, International Maize and Wheat Improvement Center (CIMMYT). Based in Kathmandu, Nepal, Dr. Karki is currently working on the Sustainable and Resilient Farming System Intensification project. Her work focuses on understanding institutions, structures, and systems for sustainable agricultural practices through a gender and social inclusion lens.

---



## **Learning from the First Conservation Agriculture Focused MOOC**

**Dr. Ram Datt**, Associate Professor, School of Agribusiness Management and Rural Management, Dr. Rajendra Prasad Central Agricultural University, Dr. Datt's research has focused on agripreneurship, promotion and scaling out of conservation agriculture, branding and the role of young agri-professionals as entrepreneurs.

---



## **The DeHaat Approach: Providing End-to-end Solutions and Services to the Farming Community in India**

**Mr. Shashank Kumar**, Co-founder & CEO, DeHaat. Mr. Kumar has led DeHaat to a digitized farmer's network of 500,000 enrollees in India, with the goal to bring 10 million Indian farmers together on one platform for various agri-businesses. Mr. Kumar has been recognized as Forbes 30 under 30 in 2014 and BWDIsrupt 40 under 40 in 2018. He is an Ashoka fellow, distinguished alumnus of IIT Delhi, and a "Champions of Change" by PM - India & Niti Aayog.

---



## **MARVI - Participatory Approach for Groundwater Monitoring and ICT at the Village Level**

**Dr. Basant Maheshwari**, Professor, Western Sydney University (Australia). His current research has a particular focus on water resources modelling; groundwater monitoring and management; urban water; river health; irrigation; water education, engagement and capacity building; environmental sustainability; and water for livelihood and wellbeing. During the last ten years, Professor Maheshwari's work has involved a trans-disciplinary approach to water research and he has led a project called, MARVI, related to groundwater management in Rajasthan and Gujarat, India.

---

## Forum themes

- Farms and Farmers of the Future - **March 2 - 30, 2021**
- Innovations in Genetic Improvement of Agricultural Systems - **May 11 - June 8, 2021**
- Innovations in Post-Harvest Management – **July 13 - 27, 2021**
- Innovations in Information & Communication Technologies - **August 31-Sept. 21, 2021**
- Innovations in Entrepreneurship, Especially Among Youth – **October 5 - 19, 2021**
- Innovations in Scaling – **November 16 - December 7, 2021**

## About the Global Agriculture Innovation Forum:

The Global Agriculture Innovation Forum is a joint undertaking between USDA's Foreign Agricultural Service and Purdue University's Office of International Programs in Agriculture. The Forum will be valuable to entrepreneurs, producers, value-chain operators, service providers, and researchers, as well as donor agencies and implementing partners and consists of a series of virtual events held throughout 2021.

[globalaginnovationforum.org](https://globalaginnovationforum.org), Twitter: [@PurdueIntlAg](https://twitter.com/PurdueIntlAg)

