



FEED THE FUTURE
The U.S. Government's Global Hunger & Food Security Initiative



USAID
FROM THE AMERICAN PEOPLE



MANAGE International e-Bulletin ISSN No. 2582-2101 Issue - 55 June, 2021

Feed The Future India Triangular Training (FTF ITT)

In this Issue:

- 1. Report on International Webinar on Technology Backstopping for Agri-Extension: Experiences and activities of ICAR-Indian Institute of Millets Research (IIMR)**
- 2. International Webinar Series on Technology Backstopping for Agri-Extension- Indian Experiences- ICAR-National Dairy Research Institute (NDRI)**
- 3. Brief report on FTFITT documentary**
- 4. Success Stories from Back at Work Plans**
- 5. Sneak peek into the upcoming issue of the e-bulletin**

1. Report on International Webinar on Technology Backstopping for Agri-Extension: Experiences and activities of ICAR-Indian Institute of Millets Research (IIMR)

In order to continue the linkages between the partner institutes of MANAGE and the partner countries, MANAGE announced the monthly International webinar series. The first and second webinar were organized by National Institute of Agricultural Extension Management (MANAGE), Hyderabad, and National Institute of Plant Health Management (NIPHM), Hyderabad. In this monthly webinar series, the webinar in June was organised by Indian Institute of Millets Research (IIMR), Hyderabad on 30.06.2021. A total of 30 participants from different countries i.e. India, Malawi, Kenya, Nepal, Afghanistan, Uganda and Bangladesh attended this webinar.

The webinar started with a brief self-introduction by the participants. Welcome address was given by Dr. Mahantesh Shirur, Deputy Director (Agril. Extension), MANAGE. Dr. P. Chandra Shekara, Director General, MANAGE gave a brief introduction about the concept and idea behind monthly webinar series and importance of millets in his key note address. Later Dr. Dayakar Rao B, Principal Scientist (IIMR) gave a detailed presentation on the mandate, vision, mission, various programmes, schemes and technologies developed and carried out at IIMR.

The key points highlighted through this webinar were

- Millets are considered as Nutricereals
- Major millets : Sorghum, pearl millet and finger millet
- There are six minor millets (Foxtail millet, proso millet , barnyard millet little millet, kodo millet and brown top millet)



- Millets are considered as smart food because they combat malnutrition and have better adaptation to grow in adverse climate.
- Millets are good for small land holding farmers
- Millets are rich in fiber, protein, iron, calcium, antioxidants and minerals compared to rice
- Water requirement of millets is less compared to other commercial crops
- Millets are dry land crop, low water requirement, resilient to climate change, future crop, potential to offer food, fodder and fuel security
- India is the major producer (100%) of kodo millet, little millet and barnyard millet, (50%) of finger millet and pearl millet.
- UN declares 2023 as International year of millets with focus on
 - Increasing the area under Millets cultivation
 - Addressing the R&D gaps and transferring to industry
 - Building linkages between various players
 - Connecting the startups and private players
 - Policy advocacy across the center and state government departments for encouraging the production processing consumption and export
- Achievements of IIMR - Diversification and outreach includes incubation (Trained 170+ startups in 4 cohorts during 2019-20) capacity building, extension value addition (developed 60+ value added products and RTC formats)
- Funding partners of IIMR - APEDA, ICAR, DST, DBT, DAC& FW, PPVFRA, MoFPI and ICRISAT.
- IIMR got recognitions from various Organizations,
- It received the Sardar Patel outstanding ICAR Institute-2018 and the Best Food Processor Award 2014 by FICCI.
- With the “Eat right” brand, the millets products are commercialized
- IIMR having good infrastructure for secondary processing
- IIMR playing an important role in services to entrepreneurs and acts as center of excellence (Product development, product refinement, technology transfer, training on technologies and nutritional and shelf life analysis etc.)
- Current services to entrepreneurs Nutrihub (Launching pad training, mentoring, networking & linkages, facilities and funding support)

- IIMR's Nutrihub's Impact
 - 100+ venture established
 - 4000+ no of entrepreneurs touched
 - 1050+ jobs created
 - 260+ new products launches by startups
 - 7.5 lakhs consumers reached
- Many varieties released by IIMR in pearl millet, sorghum finger millet etc.
- Millet based product technologies (Ready to eat, breakfast food, ready to serve, instant food, gluten free food, millet based alcoholic and nonalcoholic beverages fortified food etc.)
- Areas of collaboration with IIMR for International Institutes
 - Clinical studies proving nutritional bioavailability and therapeutic properties of millets
 - Scaling up of Entrepreneurship development activities and funding aids in millets landscape.

The presentation by Dr. Dayakar Rao was followed by discussion and question and answer session. The Experts from IIMR and MANAGE answered participants' queries. Dr. P. Chandra Shekara, Director General, MANAGE gave concluding remarks and urged the international participants to make use of the expertise available with ICAR-IIMR by approaching through Indian embassies in their respective countries. Dr. Mahantesh Shirur presented the vote of thanks after the discussion.



2. International Webinar Series on Technology Backstopping for Agri-Extension-Indian Experiences- ICAR- National Dairy Research Institute (NDRI)

To continue the technical support to the trainers of the Feed The Future India Triangular Training (FTF ITT), MANAGE has started monthly International Webinar Series on Technology Backstopping for Agri-Extension: Indian Experiences from April, 2021. In this monthly webinar series, reputed research institutes in the field of agriculture will be invited to share about their institution activities, so that the officers from the partner countries of Africa and Asia can explore the options of collaborative linkages on research, extension and joint publications. On 30-July-2021, the activities of “**ICAR- National Dairy Research Institute (NDRI)**” will be presented for international audience.

ICAR-National Dairy Research Institute (NDRI) at Karnal, Haryana is one of the premier Institutes in dairy sector, which has contributed a lot to the growth of dairy industry and played a crucial role in India’s progress in milk production with its continuous research. As pioneering Institute, ICAR-NDRI has developed considerable expertise during the last nine decades in different areas of Dairy Production, Processing, Management and Human Resource Development. Continuous efforts of the institute in generation and dissemination of technologies on milk production enhancement and value addition has resulted in social, economic and environmental benefits to the nation. Information generated at the Institute and services offered have contributed to the growth of Dairy Industry on the whole and wellbeing of millions of milk producers and consumers of milk and milk products. Realizing the challenging need of globalized dairy trade, the Institute has been continuously working to develop its R&D and HRD programmes to better serve the nation in terms of food security, employment generation and poverty alleviation. The webinar provides an opportunity for the international participants to know the various activities and technologies developed by NDRI for food and nutritional security and for further collaboration. ICAR-NDRI has collaborated with MANAGE, Hyderabad in organizing the 7th FTFITT program on “Modern Dairy technology and management 23rd FIFITT program on “Management of Dairy Cooperation and 32nd FTFITT program on “Modern Dairy technology and Cooperation”. Altogether, 75 participants of FTFITT programs from 12 countries attended the three FTFITT trainings at NDRI, Karnal during 2017-19. The present webinar series will benefit all alumni of FTFITT.

The link to registration for International Webinar series is given below. International participants are requested to join the program. They may also invite your colleagues in your country to attend the webinar.

Registration link : <https://bit.ly/2Uzln17>



MANAGE-International Webinar Series

Technology Backstopping for Agri-Extension: Indian Experiences

MANAGE, Hyderabad in collaboration with
ICAR-National Dairy Research Institute (NDRI), Karnal,
Haryana

DATE: 30TH JULY, 2021

Time: 12.00 - 13.00 Hrs. IST (+ 5:30 hrs. GMT)

Registration link: <https://bit.ly/2Uzln17>



**Course director: Dr. Mahantesh Shirur, Deputy Director (Agril. Extn),
National Institute of Agricultural Extension Management (MANAGE), Hyderabad, India**
Contact details: +91 9916220767, Email: pmu.manage@manage.gov.in,

3. Brief Report on FTF ITT video documentary

The Feed the Future India Triangular Training implemented by MANAGE with the support from USAID India during 2016-20 could benefit 1144 participants from 21 countries. The formal valedictory of the FTF ITT was held on 30 September 2021 on virtual mode due to the pandemic caused by covid-19. After the completion of the program, MANAGE has prepared a video documentary of about 10 minutes to document the background, process, features and achievements of FTF ITT program.

The documentary has the images and video footages from the program launching event in New Delhi to its valedictory in September 2020. The feedback by few of the participants and points of contact along with impressions by Dr. P. Chandra Shekara, Director General MANAGE and Dr. Mahantesh Shirur, Program Director FTF ITT are included in the video documentary.



The documentary will serve as good learning material for international institutes for implementing global level capacity development programs benefiting farmers and farm women in developing nations. The documentary also gives detailed account on methodology of training and the process of back at work plans to transfer the innovations and agriculture technologies in their respective countries. The link to see the complete video documentary is given below.

<https://youtu.be/VK8sW1iLRIU>

4. Success Stories from Back at Work Plans

a. Tackling malnutrition through promotion of consumption of orange fleshed sweet potatoes in Uganda

Mr. Orishaba Alex from Uganda was trained under the FTF ITT international training program on 'Integrated Technology for Production, Processing and Value addition in Tuber Crops' during 16-30th September, 2019 conducted at ICAR-Central Tuber Crops Research Institute (CTCRI), Thiruvananthapuram, Kerala, India.

Mr. Alex credited the FTF ITT training for his new confidence with the exposure to advanced technologies and innovations from ICAR-CTCRI, Thiruvananthapuram, Kerala, India. After going back to his country, he committed to address the major problems like nutritional insecurity and mortality of children in his districts. He utilized the knowledge and learnings from the training program on tuber crops and sensitized the Head Masters and School principals and parents about the nutritional importance of orange fleshed sweet potatoes at Kaharo Sub County, Kabale district in Uganda. Orange fleshed sweet potato variety rich in vitamin-A is popular crop and becoming an important strategy to improve vitamin-A deficiency across Uganda. He sourced the tubers (planting materials) of improved varieties of orange fleshed sweet potatoes from National Agricultural Research Organization (NARO-KACHWEKANOZARDI).

He organized the field demonstration at both school gardens and selected model farmer fields. He conducted awareness activities to demonstrate the school students, their parents, neighbors, teachers, pregnant and breast feeding mothers about the cultivation and importance of consumption of Sweet Potatoes. He himself distributed the tubers of improved varieties of orange fleshed sweet potatoes to the parents, school management authority, and rural community people. He also monitored and gave technical backstopping for rural communities in the agronomical aspects of cultivation of orange fleshed sweet potatoes. He demonstrated and taught how to prepare and cook these orange fleshed sweet potatoes to minimize the loss of nutrients. By this activity, he aimed at reducing the nutrient deficiency of children who are less than six years age.

The efforts of Mr. Orishaba Alex were imparted to 5000 pupils of five primary schools and also more than 2000 parents especially women. He could able to establish 20 acres of orange fleshed sweet potatoes gardens in Kaharo Sub County. He received huge appreciation for his initiative by the school officials for contributing his knowledge in order to reduce the malnutrition and improving on food security among the vulnerable categories of people.



Mr. Alex is sensitizing parents of school children regarding nutritional importance of Orange Fleshed Sweet Potatoes



Mr. Alex disseminating the knowledge to farmers on Orange Fleshed Sweet Potatoes

Outcome:

Mr. Alex was encouraged by the District Administration to scale up this technology to other districts by training through other fellow agriculture officers. MANAGE, USAID India are happy to know the progress of Mr. Alex and wish to him to do more on spreading his knowledge gained from the training at CTCRI in his workplace.

Contact Details

Mr. Orishaba Alex

Agricultural Officer Kabale District Local Government,
Production and Marketing Department, P.O.Box. 5,
Kabale, Uganda
Mob: +256785300345,
Email: alexorishaba935@gmail.com



4. Sneak peek into the upcoming issues of the e-bulletin

- More success stories from Back at Work Plans
- International Webinar for technology backstopping to support International Trainees of MANAGE- Brief Report.
- Brief report on Signing Ceremony (virtual) of the letter of Intent between MANAGE and MSU- Extension

FTF ITT Training Program Overview

Total number of training programs completed: **44/44**

Number of executives trained: **1144**

Male: Female: **709: 435**

Number of Countries covered: **20**

Name of the countries:

Asia: Afghanistan, Bangladesh, Cambodia, Lao PDR, Mongolia, Myanmar, Nepal, Sri Lanka and Vietnam

Africa: Botswana, Democratic Republic of Congo, Ghana, Kenya, Liberia, Malawi, Mozambique, Rwanda, Sudan, Tanzania and Uganda

Editor-in-Chief:

Dr. P. Chandra Shekara
Director General
MANAGE

Editor:

Dr. Mahantesh Shirur
Dy. Director (Agricultural Extension)
MANAGE

Associate Editor:

Dr. Naveen Kumar G and B. Sreenu
Consultant, PMU, MANAGE

For any queries relating to the program, please Contact following address:

Program Management Unit (PMU), National Institute of Agricultural Extension Management (MANAGE), Rajendranagar, Hyderabad-500030, Telangana, India

Phone number: Office: +91(40) 24016702-06, Ext.: 538

Email: pmu.manage@manage.gov.in

Website: www.manage.gov.in

www.facebook.com/ftfittmanage.ind

https://twitter.com/FTFITT_MANAGE

