



**ICAR-CAFRI, Jhansi**  
17 June, 2021

## A One-Planet Call to Combat Desertification and Drought

**Desertification & Drought Day** 17 JUNE 2021



**Restoration. Land. Recovery.**  
*We build back better with healthy land*

Since 1995, 17<sup>th</sup> June of every year is observed as World Day to Combat Desertification and Drought to promote public awareness of international efforts to combat desertification. This year's theme is "Restoration. Land. Recovery: We build back better with healthy land" On this special occasion ICAR-CAFRI in association with The Society for Science of Climate Change and Sustainable Environment (SSCE), Indian Society of Agroforestry (ISAF) and Doon University organized a Public Lecture as part of the India@75 Campaign - Azadi ka Amrut Mahotsav.

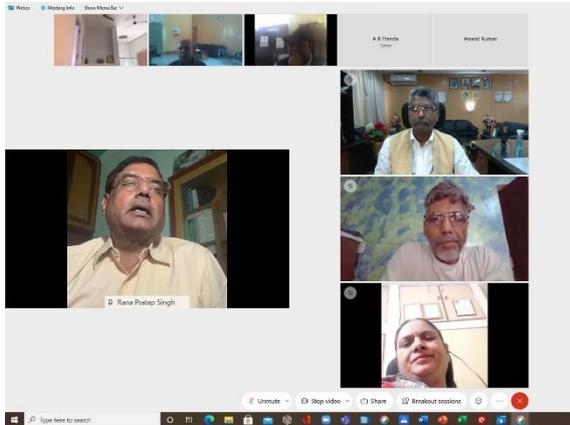
The screenshot shows a Zoom meeting interface. At the top, there are several video thumbnails of participants. The main content area displays a presentation slide titled "FOOTPRINT AND BIOCAPACITY FACTORS THAT DETERMINE OVERSHOOT". The slide contains two equations:

Area x Bioproductivity = Biocapacity (SUPPLY)			2.1 gha per person (2005 global biocapacity)	2.7 gha per person (2005 global footprint)
Population x Consumption per person x Resource and waste intensity = Ecological Footprint (DEMAND)			Gap between supply and demand: OVERSHOOT	

Below the slide, a video feed shows a man with glasses speaking. The Zoom interface includes controls like 'Unmute', 'Stop video', 'Share', and 'Breakout sessions' at the bottom. The Windows taskbar is visible at the very bottom, showing the date as 17-06-2021 and the time as 11:41.

Dr. Abdhesh Kumar Gangwar (Coordinator, RCE & Former Senior Program Director, CEE) honoured the event as Keynote Speaker and delivered lecture on "Towards a sustainable, climate smart and disaster resilient community." He opined that Asia, and the pacific countries make up the world's most disaster-prone region of the world. In developing countries like India, the agriculture sectors absorb about one-quarter of the impact of climate related disasters. He emphasized that disaster risk reduction is the first line of action in adapting to climate change, particularly to the impacts of extreme weather events that are expected to increase in intensity and frequency. Given the well acknowledged role of agroforestry in climate-smart agriculture, he called for concerted and coordinated efforts by

all stakeholders for promoting agroforestry to build climate smart and disaster resilient community. Dr. Gangwar indicated that 2.7 times more land is required for Indian sub-continent to hold and meet the requirements of the growing India's population. Eventually, he advocated One Planet approach for sustainable development for human sustenance driven by enhanced energy/resource use efficiency. Speaking on the occasion, Prof. R.P. Singh, BBA Central University, Lucknow pronounced that climate change significantly affects the land management system and in extreme situations leads to desertification. But, present day advancements in science and technology provide ample solutions to mitigate this problem of drought and desertification. Dr. A. Arunachalam, Director, ICAR-CAFRI highlighted tree plantations outside forests and on farmlands as one important nature-based solution that are resilient to environmental situations and so has the potential to sustain production and productivity in the planet earth together with optimized natural resource management for disaster reduction, particularly in the Bundelkhand Region. Professor Kusum Arunachalam, Doon University called on the youth to be aware and spread the message of combating desertification and drought, the major objective of today's theme, particularly in the UN Decade of Ecosystem Restoration (2021-2030). Over 200 Scientists, Faculties, Research Scholars, Students, Farmers, and other stakeholders participated in the meeting.



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**Global Handprint Day 27 November**

Action that is directed to decrease the human footprint and make the world move sustainable.

**HAND PRINT**  
 Action Towards Sustainability

Participants (88):  
 DD Dr. RP Dwivedi  
 DD Dr. Suchitra Desai, Sr. Scientist, AICRP ON AF, ...  
 DK Dr. Vikas Kumar  
 DA Dr. Badre Alam  
 DJ Dr. Sanjay Khajuria, SKUAST Jammu  
 GS Gurinder Kaur Sangha  
 HU himani Jakhmola  
 IP Ichha Purak  
 JM Jadeyegowda M  
 JJ jivraj jat  
 KQ K N Qaisar  
 KR K Rajarajan  
 KU Kalihaz I Inarhuwua

Chat:  
 rising awareness, participation or science at global and national level creating confusion at local level. The wisdom of groundman is lost and is not weighted. we need to emphasize equity at every level if our planet is to be made livable for future generations