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AGENDA

G20 Meeting of Agricultural Chief Scientists (MACS)

17-19 April 2023, Varanasi, India

Venue: Darbar Hall, Hotel Taj Ganges, Varanasi

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G20 – Meeting of the Agricultural Chief Scientists (MACS)

Sustainable Agriculture and Food Systems for Healthy People and Planet

Day 1: Minutes of the Program

Date 17th April 2023, Monday

Theme	Time	Topics
Registration	08:30-09:00	Arrival of delegates and registration
Opening Session (20 minutes)	09.00-09.20	Welcome Remarks by MACS Chair <i>Dr Himanshu Pathak, Secretary, DARE & DG, ICAR</i>
		Address by General (Dr.) V.K. Singh (Retd) Hon'ble MoS Road Transport & Highways and Civil Aviation, Government of India
		Vote of thanks
Adoption of Agenda (10 minutes)	09.20-09.30	Adoption of Agenda and Introduction of Technical thematic areas by MACS Chair <i>Dr Himanshu Pathak, Secretary, DARE & DG, ICAR</i>
		Statement of G20 Troika Indonesia and Brazil
Food Security & Nutrition: Role of Science, Technology and Innovations (70 minutes)	09.30-09.40	Innovations and Technological Interventions for Agri-Food Systems Transformation <i>Dr. R. S. Paroda, Chairman, Trust for Advancement of Agriculture Sciences (TAAS) Delhi, INDIA</i>
	09.40-09.50	Frontiers in Science and Technology for Achieving Food Security & Nutrition <i>Dr. Ismahane Elouafi, Chief Scientist, FAO, Rome ITALY</i>
	09.50-10:00	Biofortification in Food Crops for Enhancing Nutritional Value <i>Dr. T. R. Sharma, Dy. Director General (CS) Indian Council of Agriculture Research (ICAR) Delhi INDIA</i>

	10.00-10.10	Tropical Seaweed Farming for nutrition and blue growth Prof Aslan Laode, Department of Aquaculture, Faculty of Fisheries and Marine Science , Universitas Hau Oleo, INDONESIA
	10.10-10.40	Discussions and Interventions by Members (Voluntary)
	10.40-11.00	Coffee Break

Millets And Other Ancient Grains International ReSearch Initiative (MAHARISHI) (120 minutes)	11.00-11.20	Millets And Other Ancient Grains International ReSearch Initiative (MAHARISHI) <ul style="list-style-type: none"> - <i>Introduction by Dr Smita Sirohi, Joint Secretary (G20), Ministry of Agriculture and Farmers Welfare, Government of India, INDIA</i> - <i>Remarks by Dr. (Mrs) C. Tara Satyavathi, Director, ICAR-Indian Institute of Millet Research (IIMR), Hyderabad, INDIA</i> - <i>Presentation by Mr. John Hugh Spink Chair of Institution Coordination, Wheat Initiative, Berlin GERMANY</i>
	11:20-13:00	Discussion & Interventions (Member States 3 minutes, Invited Guest Countries 2 minutes each and IOs 2 minutes)
	13.00- 14:00	Lunch at Gulab Bagh, Taj Ganges
Resilient Agri-Food Systems (One Health) (70 minutes)	14:00-14:05	Introduction by the MACS Chair
	14:05-14:15	One Health as an Integrated and Unifying Approach: Partnerships and strategies for coordinated action Dr G. Gongal, Senior Public Health Officer, WHO South East Asia Office, New Delhi
	14:15 - 14:25	Transboundary Pests and Diseases: R&D Priorities for resilient agrifood systems Dr. Hung Nguyen, ILRI Co-Leader, Animal and Human Health, Kenya
	14.25-15.10	Discussion & Intervention by Members (Voluntary)

	15.10-15.30	Coffee Break
Resilient Agrifood Systems (Climate Resilience) (75 minutes)	15:30-15-40	Climate Resilient Technologies and Innovations for sustainable agri-food systems Dr. B Venkateswarlu, Former V C, VNMKV, Parbhani-INDIA
	15.40-15.50	Nature-Positive Agriculture: Science and Innovations for building resilient agrifood system Dr. Martin Kropff, Global Science Director, Resilient Agri-Food Systems, One CGIAR
	15:50-16.00	Biological Nitrification Inhibition (BNI) : Reducing GHS emissions and Increasing crop yields Dr. Koyama Osamu, President, JIRCAS, JAPAN
	16.00-16.45	Discussion & Intervention by Members (Voluntary)
EXCURSION	17:30-19.30	Excursion to Ganga Aarti via Cruise
WELCOME DINNER	19.30-21.30	Welcome Dinner and Cultural Program and at Gulab Bagh, Taj Ganges
	21.30	Transfer to Hotels

Day 2: Minutes of the Program

Date 18th April 2023, Tuesday

Digital Agriculture and Sustainable Agri Value Chain (70 minutes)	09.00-09.05	Introduction by the MACS Chair Dr Himanshu Pathak, Secretary, DARE & DG, ICAR
	09.05-09.15	Digital Agriculture and Traceability Dr. Ulrich Kohlmann, Executive Director, Global Operations, CABI UK
	09.15-09.25	Digital Technological Solutions for reducing Food Loss and Waste Dr. Stefan Lange, Research Director, Thünen Institute, GERMANY
	09.25 -10.30	Discussion & Intervention by Members (Voluntary)

	10.30-11.00	Coffee Break
Public Private Partnership in Agricultural R&D (100 minutes)	11.00-11.10	Agri-tech Startup Ecosystem <i>Navin K Twarakavi, Senior Digital Agriculture Specialist, Asian Development Bank (ADB) PHILLIPINES</i>
	11:10 – 11:20	Pluralistic Agricultural Extension and Advisory Services (EAS): partnerships for improving lab to land and out reach Dr Selvaraju Ramasamy, FAO, Rome, ITALY
	11:20-11:30	Smallholder and Family Farming: G20- Global South Cooperation for Agri-R&D <i>Dr. Bram Govaerts, Director General, CIMMYT, MEXICO</i>
	11.30-11.40	Public-private Agri-R&D for Public Goods: Experience in Generating and Accelerating Innovations <i>Dr. Jean Balie, Director General, International Rice Research Institute (IRRI) and Regional Director, South East Asia and Pacific, CGIAR</i>
	11.40 -12.40	Discussion & Intervention by Members (Voluntary)
	12.40-14.00	Lunch at Gulab Bagh, Taj Ganges
60 minutes	14.00-15.00	Discussion on MACS Communiqué G-20 Member Countries
	15.00-15.30	Coffee Break
60 minutes	15.30-16.30	Discussion on MACS Communiqué to continue
EXCURSION	17.00-19.30	Excursion to Sarnath (Visit to Museum and Light Sound Program)
GALA DINNER	19.30-21.00	Cultural Program and Gala Dinner at Budha Theme Park, Sarnath, Varanasi

	21.00	Transfer to Hotels
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Day 3 : Minutes of the Program

Date 19th April 2023, Wednesday

150 minutes	09.00-11.30	Discussion on MACS Communique to continue
	11.30-12.00	Coffee Break
45 minutes	12.00-12.45	Discussion and Finalization on MACS Communique
	12.45-13.00	Statements by Incoming Presidency- BRAZIL Statement by G-20 MACS Chair - INDIA
	13.00-14.00	Lunch at Gulab Bagh, Taj Ganges
EXCURSION	14.30-16.30	Visit to Trade Facilitation Centre, Varanasi
	16.30-19.30	Return to Hotel and Free-time
FAREWELL DINNER	19.30-21.30	Farewell Dinner and light cultural program at Gulab Bagh, Taj Ganges
	21.30-22.00	Transfer to Hotels

Day 3-4: Minutes of the Program

Date 19th and 20th April 2023 Wednesday and Thursday

Departure of delegates from Varanasi