



# Seventh WMO International Workshop on Monsoons (IWM-7) 22-26 March 2022, New Delhi, India

## TECHNICAL SESSION: INVITED PRESENTATIONS

**Day 2: 23 March, 2022 (Wednesday)**  
**Time: 0830-0950 IST (0300-0420 UTC) (80 Minutes)**  
**SESSION - 23S1**

**CHAIR: Dr. KUNIO YONEYAMA**

**(Each Talk : 15 minutes for presentation and 4 minutes for discussion+1minute extra)**

Sr. No	ID No	Name	Affiliation	Theme	Title
1	16	MICHAEL BELL	CSU, USA	HIGH IMPACT MONSOON WEATHER	INTERACTIONS BETWEEN TROPICAL CYCLONES AND VERTICAL WIND SHEAR
2	13	KUNIO YONEYAMA	JAMSTEC	FIELD EXPERIMENTS AND OBSERVATIONAL CAMPAIGNS	A BRIEF REVIEW OF JAMSTEC YMC ACTIVITIES
3	12	KAZUHISA TSUBOKI	NAGOYA UNIVERSITY, JAPAN	MODELLING MONSOON PROCESSES	HIGH-RESOLUTION SIMULATIONS OF HEAVY-RAIN-PRODUCING MESOSCALE CONVECTIVE SYSTEMS USING CLOUD-RESOLVING MODELS
4	26	TORU TERAO	ASIAPEX, KAGAWA UNIVERSITY, JAPAN	FIELD EXPERIMENTS AND OBSERVATIONAL CAMPAIGNS	GEWEX ASIAPEX: COLLABORATION TOWARD UNDERSTANDING OF MULTISCALE VARIABILITY OF THE ASIAN HYDROCLIMATOLOGICAL SYSTEM

**BREAK 15 Minutes**



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## TECHNICAL SESSION: ORAL PRESENTATIONS

**Day 2: 23 March, 2022 (Wednesday)**

**Time: 1005-1130 IST (0430-0600 UTC) (85 Minutes)**

**SESSION : 23S2A : Hall A (Parallel Session)**

**SESSION COORDINATOR: DR. SURYA CHANDRA RAO**

**(Each Talk : 10 minutes for presentation and 2 minutes for discussion + 1 minutes Extra)**

Sr. No.	ID No.	Theme	Name	Title
1	28	FIELD EXPERIMENTS AND OBSERVATIONAL CAMPAIGNS	I DEWA GEDE ARYA PUTRA	IDENTIFY CLOUD COVER ZONES IN INDONESIA
2	34	FIELD EXPERIMENTS AND OBSERVATIONAL CAMPAIGNS	MADHU CHANDRA R KALAPUREDDY	CLOUD RADAR MONITORED CLOUD VERTICAL STRUCTURE MEASUREMENTS FOR BETTER PREDICTABILITY OF ISM VIGOR
3	36	FIELD EXPERIMENTS AND OBSERVATIONAL CAMPAIGNS	D R PATTANAİK	VARIABILITY OF CONVECTIVE ACTIVITY OVER NORTH INDIAN OCEAN AND NEIGHBOURHOOD IN MODULATING ONSET, WITHDRAWAL AND BREAK FEATURES OF MONSOON
4	76	MODELLING MONSOON PROCESSES	JOHN P GEORGE	NCMRWF REANALYSIS PRODUCTS FOR MONSOON STUDIES.
5	27	FIELD EXPERIMENTS AND OBSERVATIONAL CAMPAIGNS	YOGESH TIWARI	THE INTERPLAY BETWEEN MONSOONS AND GREENHOUSE GASES VARIABILITY IN INDIA
6	22	CLIMATE CHANGE AND MONSOONS	G. CH. SATYANARAYANA	IDENTIFICATION OF TEMPERATURE AND HEAT WAVE ZONES OVER INDIA



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**Day 2: 23 March, 2022 (Wednesday)**

**Time: 1005-1130 IST (0430-0550 UTC) (85 Minutes)**

**SESSION : 23S2B Hall B (Parallel Session)**

**SESSION COORDINATOR: DR. P V S RAJU**

**(Each Talk : 10 minutes for presentation and 2 minutes for discussion + 1 minutes Extra)**

Sr. No.	ID No.	Theme	Name	Title
1	38	FIELD EXPERIMENTS AND OBSERVATIONAL CAMPAIGNS	SUPRIYO CHAKRABORTY	INVESTIGATING THE ATMOSPHERE-BIOSPHERE CARBON EXCHANGE PROCESSES IN NORTHEAST INDIA USING THE EDDY-COVARIANCE TECHNIQUE
2	31	FIELD EXPERIMENTS AND OBSERVATIONAL CAMPAIGNS	AMBUJ K JHA	ROLE OF OROGRAPHY ON THE CLOUD AND PRECIPITATION PROPERTIES OVER THE WESTERN GHATS
3	78	MODELLING MONSOON PROCESSES	DR. SAIKAT SENGUPTA	ASSESSMENT AND BIAS DECOMPOSITION OF ISOTOPE ENABLED GENERAL CIRCULATION MODELS FOR INDIAN SUMMER MONSOON AND THEIR IMPLICATION TO PALEOCLIMATE MODELLING
4	139	SUB-SEASONAL TO SEASONAL (S2S) PREDICTIONS	DANIEL SIMON	BOREAL SUMMER INTRASEASONAL OSCILLATION CONVECTIVE INITIATIONS IN S2S REFORECASTS
5	130	SUB-SEASONAL TO SEASONAL (S2S) PREDICTIONS	SUBODH KUMAR SAHA	PREDICTION AND PREDICTABILITY OF THE SEASONAL INDIAN SUMMER MONSOON RAINFALL
6	79	MODELLING MONSOON PROCESSES	DR. VIRENDRAGOSWAMI	STUDY OF DYNAMICAL AND MORPHOLOGICAL CHARACTERISTICS OF MESO-SCALE CONVECTIVE SYSTEMS TO DEVELOP THUNDERSTORMS NUMERICAL PREDICTION MODEL (TNPM) OVER TROPICS.





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## SESSION – 23S3

**Formal Inauguration programme  
of the  
Seventh WMO International Workshop on Monsoons (IWM-7)  
22-26 March 2022  
Host : India Meteorological Department (IMD),  
Ministry of Earth Sciences (MoES)  
New Delhi, India**

### PROGRAMME

**Date: 23<sup>rd</sup> March 2022; Mode : Online; Hall A : Time: 1800-1915 IST (1230-1345 UTC)**

1800 IST <u>1230 UTC</u>	Welcome	Arrival of Guests
1800-1810 IST <u>1230-1240 UTC</u>	Welcome Address By	<b>Dr. M. Mohapatra</b> <i>DGM, IMD, PR of India with WMO &amp; President IMS</i>
1810-1820 IST <u>1240-1250 UTC</u>	Brief Report about IWM-7	<b>Prof. C. P. Chang</b> <b>Dr. Ajit Tyagi</b> <i>(Co-Chairs, International Scientific Committee, IWM-7)</i>
1820-1825 IST <u>1250-1255 UTC</u>	Address By	<b>Dr. Estelle De Coning</b> <i>Head, WWRP Division, WMO</i>
1825-1830 IST <u>1255-1300 UTC</u>	Address By	<b>Dr. Michael Sparrow</b> <i>Head, WCRP Division, WMO</i>
1830-1835 IST <u>1300-1305 UTC</u>	Announcement of IMS's Sir Gilbert Walker Gold Medal Award	<b>Indian Meteorological Society, National Council Secretary, IMS</b>
1835-1840 IST <u>1305-1310 UTC</u>	Release of Abstract Volume : IWM-7	<b>Dr. M. Ravichandran</b> <i>Secretary, MoES</i>
1840-1850 IST <u>1310-1320 UTC</u>	Address By Guest of Honour	<b>Dr. M. Ravichandran</b> <i>Secretary, MoES and Chairman, NOC &amp; IOC, IWM-7</i>
1850-1900 IST <u>1320-1330 UTC</u>	Address (Pre recorded video message)	<b>Prof. Petteri Taalas</b> <i>Secretary General, WMO</i>
1900-1910 IST <u>1330-1340 UTC</u>	Inaugural Address (Pre recorded video message)	<b>Dr. Jitendra Singh</b> <i>Hon'ble Minister of Earth Sciences, Govt. of India</i>
1910-1915 IST <u>1340-1345 UTC</u>	Vote of Thanks By	<b>Dr. D. R. Pattanaik</b> <i>Coordinator, NOC/LOC, IWM-7 and Secretary, IMS</i>

## TECHNICAL SESSION: INVITED PRESENTATIONS

Day 2: 23 March, 2022 (Wednesday)

Time: 1925-2045 IST (0155-1515 UTC) (80 Minutes)

### SESSION – 23S4

CHAIR: Dr. YALI LUO

(Each Talk : 15 minutes for presentation and 4 minutes for discussion+1 minute extra)

Sr. No.	ID No.	Name	Affiliation	Theme	Title
1	28	YALI LUO	CMA, CHINA	HIGH IMPACT MONSOON WEATHER	CONVECTIVE AND MICROPHYSICAL CHARACTERISTICS OF EXTREME PRECIPITATION REVEALED BY MULTISOURCE OBSERVATIONS OVER THE PEARL RIVER DELTA AT MONSOON COAST
2	4	A.K. SAHAI	WWRP SSC, INDIA	MONSOON INFORMATION AND PREDICTION FOR SOCIETAL BENEFIT	EXTENDED RANGE MONSOON PREDICTION
3	17	MING-JEN YANG	PSA	NEW TECHNOLOGIES AND TOOLS	EVOLUTION OF WATER BUDGET AND PRECIPITATION EFFICIENCY OF MESOSCALE CONVECTIVE SYSTEMS ASSOCIATED WITH SOUTHWESTERLY MONSOON FLOWS OVER THE SOUTH CHINA SEA
4	9	BRIAN GOLDING	HIWEATHER, UK	HIGH IMPACT MONSOON WEATHER	REDUCING THE IMPACT OF HIGH IMPACT WEATHER