

# 50 WMO (WMO weather modification activities a fifty year history)

jcnam@metri.re.kr

(WMO) 1953

## WMO Precipitation Enhancement Experiment(PEP)

1.

8 WMO (The 8<sup>th</sup> WMO Scientific Conferences on Weather Modification) 30 WMO

WMO

1953 I. Langmuir V. Schaefer

' Experimental Meteorology '

1954

B.

Vonnegut

General Electric

, B.J. Mason, F.Ludlam, R.J. Murgatroyd (UK), H.R. Byers, C.G. Rossby, V.J. Schaefer, E.Bollay (USA), H. Dessens, L. Facy, G. Soulage (France), M. Bossolasco, G. Fea, O. Vittori (Italy), W. Rau, H.G. Mueller, H.V. Tippelskirch (Germany), E.M. Fournier (Pakistan), G. Yamamoto (Japan), M. deQuervain, R. List(Switzerland)가

가

1960

R. Saenger

2. WMO

WMO  
 Working Group 1953 (The Commission for Atmospheric Science; CAS) (The Commission for Aerology) Working Group 1955 F.H. Ludlam( ). L. Dufour E.J. Smith , WMO No. 13 : “ The Artificial Control of Clouds and Hydrometeors”( ) 1969 M. Neiburger WMO No. 105 : “ Artificial Modification of Clouds and Precipitation”( ) WMO

Working Group WMO (the Executive Committee ; EC) “ Panel of Experts on Weather Modification”( 가 )

WMO WMO 가 WMO 2000 WMO 23 74 . 1976 WMO

“ Precipitation Enhancement Project; PEP ”

1985 34 가 1984

“ Weather Modification Programme Reports ”

1984 G. Soulage가

Working Group 4

Working Group 1984

WMO G.O.P.

Obasi

3. WMO

(Precipitation Enhancement Project; PEP)

PEP WMO

1975 WMO

PEP Site-Selection Phase, SSP-3

MR5 MR5

DC-7

가 CCN counter

PMS

probe

sampling gear

Beechcraft Queen Air

PEP

. PEP  
 34  
 가 가 가 가

4. 30 WMO 3) 2 WMO  
 (WMO No. 443)  
 2003 WMO 가  
 30 1976 8 2~6  
 1973 Tashkent 2003 IAMAS  
 가

가 (HIPLEX),  
 (FACE), 2  
 (NHRE), , ,  
 1) 1 WMO/IAMAP , WMO  
 (WMO No. 399) PEP  
 1973 10 1~7 Tashkent (METROMEX)가

4) 3 WMO  
 1980 7 21~25 Clermont-  
 Ferrand 가  
 가

2) WMO (WMO No.408)  
 가  
 1974 10 15-18 가  
 (HIPLEX-1),  
 (CCOPE), METEOTRON

, PEP

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10

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5) 4 WMO  
(WMO/TD No.53)

7) 6 WMO  
(WMO/TD-No.596)

1985 8 12 ~ 14

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1994 5 30 6 4

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Paestum

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6) 5 WMO

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(WMO/TD-No.268)

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8) 7 WMO  
(WMO/TD-No.936)

1999 2 17 ~ 22

Chiang Mai

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(Zheng Guoguang),

가 (B.A.)

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Silverman),

WMO PEP

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(Rumen D. Bojkov), WMO 50

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(Roland List)

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9) 8 WMO

2003 4 7~11

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Tropical Rain Measurement Mission(TRMM)

TITAN

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WMO 8

Roland

List ' WMO weather modification  
activities a fifty year history '

Roland List

(CCN)

