

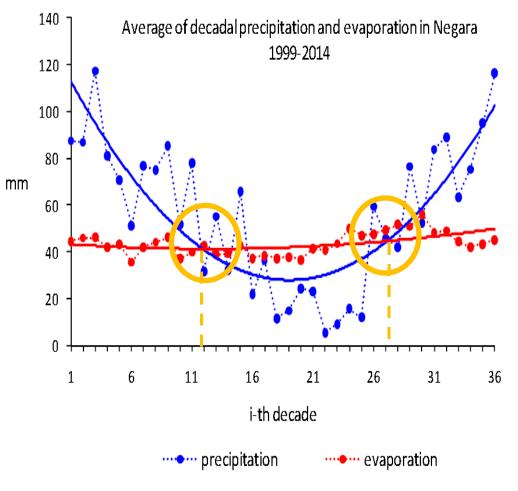
# Monsoon Research: Experiment and Future Plan

Asteria S. Handayani

-R&D Centre of BMKG-



# **Experimental Monsoon Onset Forecasting**



	Dekad (10 days)	Minimum rainfall in dekad (mm)
Wet season onset	27.1	44.6
Dry season onset	11.9	41.3



Year	True Onset		вмкс	
	Start	End	Start	End
1999/2000	29	17	29	11
2000/2001	31	17	31	11
2001/2002	36	11	36	8
2002/2003	31	13	31	7
2003/2004	26	9	26	9
2004/2005	32	12	32	11
2005/2006	28	15	28	13
2006/2007	3*	11	3*	11
2007/2008	29	10	35	9
2008/2009	33	15	33	10
2009/2010	36		11*	
2010/2011		15		3
2011/2012	29	14	29	9
2012/2013	34	21	34	21
2013/2014	35	14	35	9

#### Notes:

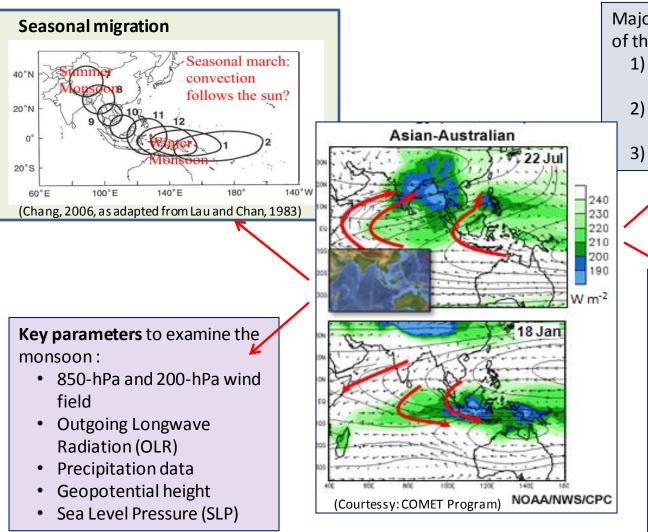
<sup>\*</sup> Falls on the same year

<sup>-- 2010</sup> wet season all year long

### **Topic of Research Interest:**

## 'Conceptual Model of the Maritime Continent Monsoon'

The Maritime Continent monsoon is considered as **the transition regime between the Asian summer monsoon and Australian summer monsoon**, both in space and time (Chang, 2006).



Major factors contributing to the onset of the monsoon are among others:

- The seasonal oscillation of solar heating
- 2) The land—sea thermal contrast resulting in pressure gradient
- 3) The Coriolis effect

