

APL-SATREPS Workshop on the Predictability of Climate

Variations and its Applications

March 1 2013 (Friday)

Room No. 710, Science Building #1, University of Tokyo

Registration: 09.30-9:50

09:50-10:00 – Opening remarks (Prof. T. Yamagata)

1. First Session - Climate Processes for Better Predictability-

(Chairs: A. Navarra and S. Behera)

| | |
|-------------|---|
| 10:00-10:15 | T. Doi (APL/RIGC/JAMSTEC, Japan) "Seasonal prediction by SINTEX-F" |
| 10:15-10:30 | C. Yuan (JAMSTEC, Japan) "Long-range forecast of the surface temperature in the southern Africa" |
| 10:30-10:45 | Y. Morioka (RIGC/JAMSTEC, Japan) "Subtropical dipole modes simulated in the SINTEX-F1 and F2" |
| 10:45-11:00 | I. Richter (APL/RIGC/JAMSTEC, Japan) "Two competing influences on equatorial Atlantic variability" |
| 11:00-11:15 | T. Kataoka (U. Tokyo, Japan) "On the Ningaloo Nino" |
| 11:15-11:30 | M. Nagura (APL /JAMSTEC, Japan) "Indian Ocean Dipole Interpreted in Terms of Recharge Oscillator Theory" |
| 11:30-11:45 | S. Kida (APL/ESC/JAMSTEC, Japan) "Marginal Sea and Open ocean interaction for seas surrounding Japan" |
| 11:45-12:00 | P. Oettli (U. Tokyo, Japan) "Madden-Julian Oscillation and Tropical-Temperate Troughs: New Investigations through Self Organizing Maps and Tropical-Temperate Troughs Index" |
| 12:00-12:30 | Discussions |

12:30 – 14:00: Lunch Break

2. Second Session – GCM Developments and Dynamical Downscaling -

(Chairs: W. Landman and T. Tozuka)

| | |
|-------------|---|
| 14:00-14:15 | B. Abiodun (U. Cape Town, South Africa) "How well do Global and Regional Climate Models simulate the link between Drought and ENSO over Southern Africa? " |
| 14:15-14:30 | J. V. Ratnam (APL/RIGC/JAMSTEC, Japan) "Downscaling SINTEX-F forecasts using WRF coupled to PWP mixed layer ocean model" |
| 14:30-14:45 | S. Ratna (JAMSTEC, Japan) "Downscaling summer season climate variability over South Africa using WRF model" |
| 14:45-15:00 | Y. Baba (APL/ESC/JAMSTEC, Japan) "Model development and urban climate analysis using MSSG model" |
| 15:00-15:15 | W. Sasaki (APL /JAMSTEC, Japan) "Development of SINTEX-F2: parameterization of ocean mixing and high-resolution version of SINTEX-F2" |
| 15:15-15:30 | Discussions |

15:30-16:00 Coffee Break

3. Third Session – Climate Informatics and Applications -

(Chairs: N. Sweijd and T. Yamagata)

| | |
|-------------|---|
| 16:00-16:15 | J. Botai (U. Pretoria, South Africa) "Analyzing extreme temperature and precipitation through statistically downscaled data" |
| 16:15-16:30 | S. Varlamov (APL/RIGC/JAMSTEC, Japan) "Information technology in climate applications, from science to society" |
| 16:30-16:45 | T. Izumi (NIAES, Japan) "Characterizing the reliability of global crop prediction based on seasonal climate forecasts" |
| 16:45-17:00 | M. Hashizume (Nagasaki University, Japan) "Indian Ocean Dipole and infectious disease dynamics in tropical Asia and Africa" |
| 17:00-17:20 | Discussions |

17.20-17:30 Concluding Remarks

17:30-19:30 Reception