

# **SATREPS Symposium**

## **on Prediction of Climate Variations and its Application in the Southern African Region**

### **[DAY1: Research Presentation]**



**17<sup>th</sup> October 2012**  
**CSIR Knowledge Common, Pretoria**

## SATREPS WORKSHOP [DAY1] – 17 OCTOBER 2012

**Date: Wednesday 17<sup>th</sup> October 2012**

**Venue: CSIR Knowledge Common**

**(N.B.: The venues of DAY1 and DAY2 are different buildings in CSIR.)**

**Registration: 12:00-12:55**

### **Session I: Indian Ocean and Climate Processes**

(Chairs: Tomoki Tozuka & Hannes Rautenbach)

12:55-13:00	Opening Remarks
13:00-13:20	Takahito Kataoka (U. Tokyo, Japan) "Skills of CMIP3 models in simulating Indian Ocean Subtropical Dipole and its influence on the Southern African Region"
13:20-13:40	Patrick Vianello (UCT, South Africa) "Dynamics around the Mascarene plateau - a hydrographic study and the impact of the Plateau on westward propagating Rossby waves"
13:40-14:00	Yushi Morioka (JAMSTEC, Japan) "How is the Indian Ocean subtropical dipole excited?"
14:00-14:20	Francois DuFois (UCT, South Africa) "Inter-annual variability of SST and current along the south African coasts"
14:20-14:40	Motoki Nagura (JAMSTEC, Japan) "Longitudinal Biases in the Seychelles Dome Simulated by 35 Ocean-Atmosphere Coupled General Circulation Models"

### **Session II: Subtropical Climate Variability & Applications**

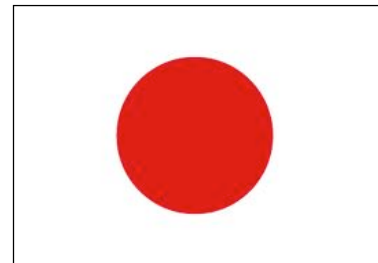
(Chair: Toshio Yamagata & Neville Sweijd)

14:40-15:00	Chaoxia Yuan (JAMSTEC, Japan) "Seasonal Prediction of South African Summer Precipitation"
15:00-15:20	Kamoru Lawal (UCT, South Africa) "Assessing the Influences of Extreme Climatic Events on the Predictability of South African Seasonal Climates"
15:20-15:40	Ingo Richter (JAMSTEC, Japan) "An assessment of tropical Atlantic climate and interannual variability in CMIP5"
15:40-15:50	Coffee Break

**SATREPS WORKSHOP [DAY1] – 17 OCTOBER 2012**

15:50-16:10	Johan Malhabe (ARC, South Africa) “Seasonal forecasts of SINTEX-F coupled model applied to maize yield estimates over north-eastern South Africa”
16:10-16:30	Satyaban Ratna (JAMSTEC, Japan) “An index for tropical temperate troughs over southern Africa”
16:30-16:50	Francois Engelbrecht (CSIR, South Africa) “Towards the improvement of skill of seasonal forecasts over southern Africa through model development”
16:50-17:10	Cobus Oliver (SAWS, South Africa) “Use of the University of Tokyo Coupled Model (UTCM) for Prediction of Streamflow over South Africa”
17:10-17:30	Pascal Oettli (U. Tokyo, Japan) “The Self Organizing Map, a New Approach to Apprehend the Effect of the Madden-Julian Oscillation on the Intraseasonal Variability of Rainfall in the Southern-African Region”
17:30-17:50	Asmerom Beraki (SAWS, South Africa) “Coupled model development at SAWS as an operational seasonal forecast provider”
17:50-18:10	Robert Maisha (UP, South Africa) “Evaluation of WRF as a meteorological forecasting tool over the complex terrain of South Africa”
18:10-18:15	Closing Remarks

End



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### **[DAY2: Research Outcome]**



science & technology



**18<sup>th</sup> October 2012**  
**CSIR International Conference Centre, Pretoria**

**SATREPS SYMPOSIUM [DAY2] – 18 OCTOBER 2012**

**Date: Thursday 18<sup>th</sup> October 2012**

**Venue: CSIR International Conference Centre**

1. Registration (09:00-09:30)
2. Inaugural Ceremony and Speeches (9:30-09:55)
  - (1) Mr. Mmboneni Muofhe: Chief Director: International Resources
  - (2) Mr Nakamura, Chief Representative of JICA South Africa Office
  - (3) Dr Yoshifumi Yasuoka, Programme Officer, JST; Professor Emeritus, University of Tokyo
  - (4) Dr Achuo Enow, Director, Global Change, NRF
  - (5) Dr Yamagata, Head of Application Laboratory, JAMSTEC
3. Group Activity Reports (09:55-13:00)

Chairs: N. Sweijd & T. Yamagata

09:55-10:20	Group 1 : S. Behera and M. Rouault "Predictability of climate modes"
10:20-10:45	Group 2 : J. Ratnam and H. Rautenbach "Seasonal prediction and downscaling"
10:45-11:10	Group 3 : T. Tozuka (and F. Engelbrecht) "Improving CGCMs"
11:10-11:20	Coffee Break (10 min)
11:20-11:45	Group 4 : H. Sakuma and W. Landman "Improving early prediction system"
11:45-12:10	Group 5 Activity (T. Yamagata and N. Sweijd) "Strengthening network"
12:10-13:00	General Discussion

4. Lunch (13:00-14:00)
5. **[JCC members only] JCC Meeting at DST, Gondwanaland Room (14:30-16:30)**

***ACCESS: Dinner at Mokha Restaurant at 7.00pm***

End