



## Symposium on Climate Variations in Southern Africa and Roles of Subtropical Oceans

- **Date and Time** : December 3, 2009, 10:00-17:50 (Registration 9:30 - )
- **Venue** : Center for the Advancement of Working Women (CAWW), Tokyo
- **Registration** : Register through URL below or by e-mail.  
Website : <http://www.jamstec.go.jp/j/apl/sympo200912/index.html>  
E-mail: [sympo1203@jamstec.go.jp](mailto:sympo1203@jamstec.go.jp)
- **Language** : English
- **Host** : Japan Agency for Marine-Earth Science and Technology
- **Supported by** : Japan Science and Technology Agency / Japan International Cooperation Agency / Embassy of Republic of South Africa

### ■ Opening Session

- 10 : 00~10 : 10 S. Imawaki, Executive Director,  
Japan Agency for Marine-Earth Science and Technology (JAMSTEC)
- 10 : 10~10 : 20 A. Nakanishi, Director, Research Partnership for Sustainable Development, Japan Science and Technology Agency (JST)
- 10 : 20~10 : 30 N. Mori, Deputy Director General and Group Director for Environmental Management, Global Environmental Department, Japan International Cooperation Agency
- 10 : 30~10 : 40 C. Masoka, Minister Counsellor : Science and Technology, Embassy of Republic of South Africa

### ■ First Session (Chair : H. Sakuma & N. Sweijd) Overview of Climate Variations in Indo-Atlantic Oceans Emphasizing Southern Africa

- 10 : 40~11 : 00 T. Yamagata (JAMSTEC, Japan)  
"The importance of understanding the modes of climate variations for developing climate applications for society."
- 11 : 00~11 : 20 N. Sweijd (Council for Scientific & Industrial Research (CSIR), South Africa)  
"The South African initiatives in the climate research and application studies of southern Africa."
- 11 : 20~11 : 40 S. Behera (JAMSTEC, Japan)  
"The Indian Ocean influence on the climate variations of southern Africa"
- 11 : 40~12 : 00 J. Hermes (University of Cape Town, South Africa)  
"Climate variations in southern Africa in relation to surrounding seas."
- 12 : 00~12 : 20 D. Manatsa (Bindura University, Zimbabwe)  
"Impacts of Indian Ocean Dipole on eastern and southern African rainfall variability"
- 12 : 20~14 : 00 Lunch Break

### ■ Second Session (Chair : S. Behera & A. Navarra) Climate Predictions and Downscaling

- 14 : 00~14 : 20 A. Navarra (The Euro-Mediterranean Centre for Climate Change, Italy)  
"Development of new generation climate models for climate predictions and projections"
- 14 : 20~14 : 40 K. Takahashi (JAMSTEC, Japan)  
"Ultra-high resolution climate model development for societal applications using the Earth Simulator"
- 14 : 40~15 : 00 H. Rautenbach (University of Pretoria, South Africa)  
"Numerical modeling for weather and climate predictions in South Africa"
- 15 : 00~15 : 20 J. Luo (JAMSTEC, Japan)  
"Climate predictability using the SINTEX-F coupled GCM"
- 15 : 20~15 : 40 Coffee Break

### ■ Third Session (Chair : H. Rautenbach & K. Takahashi) Coupled Modeling and Societal Applications

- 15 : 40~16 : 00 T. Tozuka (University of Tokyo, Japan)  
"Process studies using the University of Tokyo coupled GCM"
- 16 : 00~16 : 20 B. Abiodun (University of Cape Town, South Africa)  
"Numerical grid systems in climate model developments"
- 16 : 20~16 : 40 N. Fauchereau (Council for Scientific & Industrial Research (CSIR), South Africa)  
"Sub-seasonal variability of convection and rainfall over Southern Africa : links with ENSO and non-linearities"
- 16 : 40~17 : 00 T. Newby (The Agricultural Research Council (ARC), South Africa)  
"The impact of climate variations on the agriculture of northeastern South Africa"
- 17 : 00~17 : 20 S. Aura (Kenya Meteorological Department, Kenya)  
"The societal impacts caused by climate disasters from the western Indian Ocean"
- 17 : 20~17 : 40 H. Sakuma (JAMSTEC, Japan)  
"On the aims of our climate application researches and the present status of domestic and international collaborations"

### ■ Closing Remarks

- 17 : 40~17 : 50 T. Yamagata (JAMSTEC, Japan)

### ■ Reception

- 18 : 00~20 : 00

### The Center for the Advancement of Working Women (CAWW)

5-35-3 Shiba, minato-ku, Tokyo



- 1-min. walk from the Exit A1 at Mita Station, Toei Asakusa Line or Toei Mita Line
- 3-min. walk from the Mita Exit (West Exit) or JR Tamachi Station.

- **Contact** : Japan Agency for Marine-Earth Science and Technology (JAMSTEC)  
Research Support Department (Miyamoto)  
E-mail: [sympo1203@jamstec.go.jp](mailto:sympo1203@jamstec.go.jp) PHONE: +81-46-867-9833