



November 10, 2009
Japan Agency for Marine-Earth Science and Technology

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

The Application Laboratory (APL) of the Japan Agency for Marine-Earth Science and Technology (JAMSTEC: President Yasuhiro Kato) will host an international symposium entitled “Climate Variations in Southern Africa and Roles of Subtropical Oceans”. APL is aiming to develop useful application studies based on the latest accomplishments in the field of climate variation predictability studies. The theme of this Symposium is the “Prediction of Climate Variations and its Application in the Southern African Region”, one of the successful research proposals adopted under a newly established project called Science and Technology Research Partnership for Sustainable Development by the Japan Science and Technology Agency (JST) and Japan International Cooperation Agency (JICA).

APL aims to realize a new type of innovation through mutual edification and sustainable coordination between the science community and the society, especially utilizing scientific knowledge obtained by our world-leading investigations in climate variations such as the ones on Indian Ocean Dipole and El Nino Modoki, both of which are important climate modes for the global climate variations. In this symposium we will attempt to contribute to the sustainable development of the Southern African societies that are quite vulnerable to the climate variation risks, by getting insights into the generation and long-term variation mechanism of the sub-tropical Dipole phenomena, an influential climate variation mode for those regions.

Details

- 1.Date and time: December 3, 2009 (Thursday) from 10:00-17:50(Registration 9:30)
- 2.Venue: The Center for the Advancement of Working Women (CAWW)
<http://www.miraikan.go.jp/english/about/access.html>
- 3.Admission: Free
- 4.Registration: Please register by e-mail with the following information:
Name/organization/e-mail address
E-mail: sympo1203@jamstec.go.jp
<http://www.jamstec.go.jp/e/apl/sympo200912/>

- 5.Program: Please refer to [Attachment 1](#)
- 6.Language: English
- 7.Organized by: Japan Agency for Marine-Earth Science and Technology (JAMSTEC)
- 8.Supported by: Japan Science and Technology Agency (JST)
Japan International Cooperation Agency (JICA)
Embassy of Republic of South Africa

Attachment 1

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

(Registration: 9:30-10:00)

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)

*Program is subject to change.

Contacts:

Japan Agency for Marine-Earth Science and Technology
(For Symposium)

Toshihiko Chiba, email: sympo1203@jamstec.go.jp

Manager, Research Support Department Research Support Division II

Tel: 046-867-9833

(For Publication)

Toru Nakamura, email: press@jamstec.go.jp

Manager, Planning Department Press Office

Tel: 046-867-9193