

# ICSU and ICIAM

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# Introduction

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ICSU = the International Council for Science;  
a non-governmental organisation with a global membership  
of national scientific bodies and international scientific  
unions

Refer to my article in Dianoia April issue of 2016 (Vol. 4,  
No.2)



Refer to

<http://www.icsu.org/about-icsu/about-us>

## Mission of ICSU (same as before)

To mobilize the knowledge and resources of the international science community toward the following items

- Identify and address major **issues of importance** to science and society
- Facilitate **interaction amongst scientists** across all disciplines and from all countries
- Promote the **participation** of all scientists — regardless of race, citizenship, language, political stance, or gender — in the international scientific endeavour
- Provide independent, authoritative advice to stimulate **constructive dialogue** between the scientific community and governments, civil society, and the private sector

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Aims of ICIAM have much overlap with those of ICSU

Math. and its applics. can underpin ICSU's mission firmly

# Our ICSU Committee

Under the officers, ICSU Committee was set up:

Alain Damlamian, Björn Enguist, Helge Holden,  
Rolf Jeltsch, Olavi Nevanlinna, Christiane Rousseau,  
Abdul Hasan Siddiqi

Co-chair: Barbara Keyfitz and T. Mitsui

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If you're interested in, please ask me or Barbara

# AIMS Workshop in May

AIMS (African Institute of Mathematical Sciences) hosts the International Workshop entitled by

*Global change impact on diseases and alien species expansion*

May 2 – 6 in Cape Town



# Global change impact on diseases and alien species expansion

## A capacity building workshop supported by



AIMS, Cape Town, May 2-6 2016

### INTRODUCTION

This international, interdisciplinary, educational and capacity building workshop will bring together the two subjects of infectious diseases and invasive species and the context of climate change, thus allowing sharing the methods and building partnerships. The workshop will address the whole range of topics, from field-work and collecting of data to the building and validating of models, to the adjustment of models to take into account the changing environment and the social characteristics, and to the design and implementation of strategies to fight infectious diseases and invasive species. This will be done through lectures, practical training and round table discussions. Special emphasis will be put on African diseases and invasive species, as well as the characteristics of changing environment in Africa.

The workshop is mostly aimed to young researchers and postgraduate students, with a majority coming from Africa. International experts from around the world will give the mini-courses and lectures and will lead the working groups. There will be a limited number of contributed talks and a poster session.

### GOALS OF THE CONFERENCE

The main objectives of the workshop are to network communities coming from different backgrounds (biology, mathematical sciences, medicine, social sciences and global environment change) and different parts of the world, and having an interest in the study and control of epidemic diseases and invasive species, and to contribute to the training of young researchers.

An important feature of the workshop is its location in Africa, which unfortunately, is the centre of several pandemic diseases threatening not only the economy and social cohesion of the continent but also seriously affecting other parts of the world. Thus, central to the workshop is the participation of this new generation of young African scientists from different backgrounds, including doctoral students and female scientists, to expose them to modern cutting edge scientific techniques and methods in the field, to put them in contact with world leading experts in different relevant fields, and have them taking part in the interdisciplinary discussions.

This workshop, the first activity bringing together IMU, IUBS, IUIS, IUMS, ICIAM, ISSC, ecoHEALTH Alliance (Future Earth), ICSU ROA, ISB and UNESCO has the important objective of building a lasting collaboration and enriching expertise in the different organizations.

### MAIN THEMES

- Epidemic diseases in the context of changing environment

### Confirmed speakers and leaders of working groups

- [Peter Daszak](#) (medicine and disease ecology), University of Columbia, USA
- [Kristie Ebi](#) (environmental health), University of Washington, USA
- [Abba Gumei](#) (mathematics), Arizona State University, USA
- [John Hargrove](#) (biomathematics, epidemiology, insect physiology), Center of Excellence in Epidemiological Modelling and Analysis (SACEMA), South Africa
- [Mark Lewis](#) (mathematics), University of Alberta, Canada
- [Andrea Pugliese](#) (mathematical and theoretical population biology), University of Trento, Italy
- [Judith Omumbo](#) (epidemiology), African Academy of Science
- [David Richardson](#) (botany and zoology), University of Stellenbosch and Director of Centre for Invasion Biology, South Africa



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AIMS = A pan-African network of centres of excellence for postgraduate education, research and outreach in mathematical sciences

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## **AIMS Workshop in May (2)**

Our another contribution to the workshop: Sending Mario Primicerio, former Officer-at-Large, as a member of its Scientific Committee

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Our **successful example** to contribute to ICSU together with IMU

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SC members to mobilize existing research networks, stimulate the growth of new research alliances, and be committed to champion integrated approaches to research in their respective geographic and disciplinary domains

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ICSU Committee tried to find any appropriate colleague for IRDR SC together with IMU

Because we believe a **mathematical approach** should be significant for IRDR Program

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To make mathematics and its applications more underpinning ICSU's mission



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**Thank you for your attention**