



The Abdus Salam
International Centre for Theoretical Physics



Joint ICTP-IAEA Conference on Predicting Disease Patterns According to Climatic Changes

Organizer(s): Director: H. Unger. Local Organizer: M. Marsili
Trieste - Italy, 12 - 14 May 2008

Final programme

REGISTRATION

12 May 2008

08:30 - 09:45 --- Registration and administrative formalities at Adriatico Guest House, Giambiagi Lecture Hall Area (Lower level 1) ---

SESSION 1 (Room:Adriatico Guest House Giambiagi Lecture Hall)

12 May 2008

- 10:00 - 10:10 **M. Marsili / ICTP, Trieste**
Welcome address to participants
- 10:10 - 10:20 **H. Unger / IAEA, Vienna**
Introduction
- 10:20 - 11:00 **D. Pfeiffer / Royal Veterinary College, UK**
Modelling for informing policy development: Constraints and challenges
- 11:00 - 11:30 **K. Brugger / University of Veterinary Medicine Vienna, Austria**
Predicting the dynamics of Usutu virus according to climate change
- 11:30 - 11:50 **J. Pal / Loyola Marymount University, USA**
Modeling the impacts of climate change on water resources, agriculture, and extreme events

11:50 - 12:20 **S. Selmane** / *Univ. H. Boumedienne, Algeria*
Contributed talk:
The influence of the fraction of vaccinated individuals on the incidence of tuberculosis

12:20 - 14:00 --- Lunch break ---

SESSION 2 (Room:Adriatico Guest House Giambiagi Lecture Hall)

12 May 2008

14:00 - 14:30 **L. Tomassini** / *Max Planck Institute for Meteorology, Germany*
Climate modelling - global and regional scenarios

14:30 - 15:00 **T. Selhorst** / *Federal Research Centre for Virus Diseases of Animals, Germany*
Modeling the effect of weather conditions on insect population dynamics

15:00 - 15:20 **A.A.L.N. Sarma** / *Andhra University*
Contributed talk:
Studies on thermal health effects of climate change - India

15:20 - 15:40 **D.D.M.L. Dassanayake** / *Teaching Hospital Anuradhapura, Sri Lanka*
Contributed talk:
Climato - health for urgent intervention

15:40 - 16:10 --- Coffee break ---

SESSION 3 (Room:Adriatico Guest House Giambiagi Lecture Hall)

12 May 2008

16:10 - 16:40 **S. Pal** / *Ramakrishna Mission Vivekananda Centenary College, India*
Contributed talk:
Role of infection in an eco-epidemiological system - a mathematical study

16:40 - 17:00 **B. Gupta** / *State Animal Disease Investigation Laboratory*
Contributed talk:
Epidemiology and diagnosis of rabies in Indian perspective

17:00 - 17:20 **G.U. Ebu** / *Nnamdi Azikiwe University*
Contributed talk:
Exploratory statistical modelling of cancer diseases

17:20 - 17:40 **R. Bejaran** / *Univ. Buenos Aires, Argentina*
Contributed talk:
Aedes Aegypti and Dengue in Argentina

SESSION 4 (Room:Adriatico Guest House Giambiagi Lecture Hall)

13 May 2008

09:00 - 09:40 **H. Unger** / *IAEA, Austria*
Emerging diseases; early detection and rapid response

- 09:40 - 10:20** **W. Wagner / Vienna University of Technology, Austria**
Remote sensing for epidemiological studies
- 10:20 - 10:40** **K. Shadananan Nair / Centre for Earth Research and Environment Management, India**
Contributed talk:
An assessment of the impact of climate change on food production, water availability and health condition in India
- 10:40 - 11:00** --- Coffee break ---

SESSION 5 (Room:Adriatico Guest House Giambiagi Lecture Hall)

13 May 2008

- 11:00 - 11:30** **G. De Leo / Univ. Parma, Italy**
Seasonality, climate change and infectious diseases
- 11:30 - 11:50** **K. Mintiens / Veterinary and Agrochemical Research Centre, Belgium**
Contributed talk:
Epidemiology of bluetongue in Northern Europe
- 11:50 - 12:10** **A. Lindberg / National Veterinary Institute, Sweden**
Contributed talk:
Identification and prioritization of risks from vector borne diseases and climate change in Europe ? output of EPIZONE, an EU network of excellence
- 12:10 - 14:00** --- Lunch break ---

SESSION 6 (Room:Adriatico Guest House Giambiagi Lecture Hall)

13 May 2008

- 14:00 - 14:30** **D. Pfeiffer / Royal Veterinary College, UK**
Approaches to modelling infectious livestock disease occurrence
- 14:30 - 14:50** **S.K. Kamau / Department of Veterinary Services, Kenya**
Contributed talk:
Use of livestock to control vectors of Rift Valley fever
- 14:50 - 15:10** **M.G. Doherr / University of Bern, Switzerland**
Contributed talk:
Compartment models for Bluetongue (BTV 8) ? mission impossible?
- 15:10 - 15:30** **N. Iqbal / Institute Pasteur, France**
Contributed talk:
Correlation between plasmid pSFn1 and virulence of vibrio nigrripulchritudo
- 15:30 - 15:50** **L. Haimberger / Vienna University, Austria**
Prediction of floods and other weather events causing diseases
- 15:50 - 16:20** --- Coffee break ---

SESSION 7 (Room:Adriatico Guest House Giambiagi Lecture Hall)

13 May 2008

- 16:20 - 16:50** **J. Slingenbergh** / *FAO, Italy*
Contributed talk:
A framework to depict climate change induced-emergence of novel disease agent
- 16:50 - 17:20** **U. Sperling** / *SAFOSO, Switzerland*
Contributed talk:
The working group 'Zoonotic Diseases' at the Swiss Agency for Development and Cooperation
- 17:20 - 17:40** **A.E.A. Abdou** / *Egyptian Meteorological Authority, Egypt*
Contributed talk:
Integration of disease parameters in regional climatic models

RECEPTION

13 May 2008

- 18:45 - 20:45** --- Small reception at Adriatico Guest House Cafeteria for all participants in the Conference ---

SESSION 8 (Room:Adriatico Guest House Giambiagi Lecture Hall)

14 May 2008

- 09:00 - 09:30** **F. Rubel** / *University of Veterinary Medicine Vienna, Austria*
Airborne spread of foot-and-mouth disease virus
- 09:30 - 10:00** **N. Solymosi** / *Szent Istvan University, Hungary*
Contributed talk:
GIS based model for FMD
- 10:00 - 10:30** **Q.M. Khan** / *National Institute for Biotechnology and Genetic Engineering, Pakistan*
Contributed talk:
Molecular epidemiology & diagnosis of FMDV and PPRV in field samples collected from Punjab, Pakistan
- 10:30 - 11:00** --- Coffee break ---

SESSION 9 (Room:Adriatico Guest House Giambiagi Lecture Hall)

14 May 2008

- 11:00 - 11:20** **L. De Simone** / *FAO, Italy*
Contributed talk:
Spatial analysis of H5N1
- 11:20 - 11:40** **W. Abeyewickreme** / *University of Kelaniya, Sri Lanka*
Contributed talk:
Outbreak investigation on emerging and re-emerging infectious diseases in Sri Lanka
- 11:40 - 12:00** **T.S. Desta** / *National Animal Health Research Center, Ethiopia*
Contributed talk:
Bird mortality in Ethiopia: Causes and threats

12:00 - 12:20 **L. Kazembe** / *University of Malawi*
Contributed talk:
Joint spatial analysis of common morbidities of childhood diarrhoea and fever

12:20 - 14:00 --- Lunch break ---

SESSION 10

14 May 2008

14:00 - 16:00 **H. Unger** / *IAEA, Austria*
Conference summary and discussion