

NATO Advanced Research Workshop
Climate Change, Human Health and National Security
28 – 30 April 2011
Dubrovnik, Croatia

Day 1, 28 April:

Breakfast 7h00 – 9h00 (Hotel Restaurant)

Chair: Dr. H.J.S. Fernando

- 0900– 0905 WELCOMING REMARKS, Dr. Harindra J. Fernando and Dr. Zvezdana Klaić
- 0905 – 0925 Introductory Remarks and A Report on the Pasodoble Project. Dr. Vincenzo Costigliola, President, European Medical Association, Brussels, Belgium, vincenzo@emanet.org
- 0925 – 1010 Keynote Address: *National Security and the Threat of Climate Change: A View from the Military Advisory Board*, Dr. Marcus King, Environment & Energy Research Team, CAN, kingm@cna.org
- 1010 – 1030 *Climate change, tipping elements and security*, Dr. Kjeld Rasmussen, Dept. of Geography and Geology, Dr. Ole Wæver, Centre for Advanced Security Theory, University of Copenhagen, Copenhagen, Denmark, kr@geo.ku.dk
- 1030 – 1055 *Coffee Break*

Chair: Dr. Vincenzo Costigliola

- 1055 – 1140 Keynote Address: *Atmospheric boundary layers – features controlling air quality and human health*, Dr. Sergej Zilitinkevich, Professor, Finnish Meteorological Institute, Finland, Sergej.Zilitinkevich@fmi.fi
- 1140– 1200 *Megacities: Urban Environment, Air Pollution, Climate Change and Human Health Interactions*, Dr. Alexander Baklanov, Danish Meteorological Institute, Copenhagen, Denmark, alb@dmi.dk
- 1200 – 1220 *Urban Environments Meet Climate Change*, Dr. Harindra J. Fernando, Environmental Fluid Dynamics Group, Department of Civil Engineering and Geological Sciences, University of Notre Dame, Notre Dame, IN, USA, Harindra.J.Fernando.10@nd.edu
- 1220 – 1345 *Lunch Break*

Chair: Dr. Alexander Baklanov

- 1345 – 1430 Keynote Address: *Climate Change and Security Risks*, Dr. Julian Hunt, University College London, England, UK, jcrh@cpom.ucl.ac.uk
- 1430 – 1450 *Atmospheric aerosol climatology over the globe: emphasis on dust storms*, Dr. Harry D. Kambezidis, National Observatory of Athens, Athens, Greece, harry@meteo.noa.gr
- 1450 – 1510 *ENSO forcing of climate variability over the North Atlantic/European region in a warmer climate conditions*, Dr. Ivana Herceg Bulić, Andrija Mohorovičić Geophysical Institute, University of Zagreb, Zagreb, Croatia, iherceg@mail.irb.hr
- 1510 – 1530 *Coffee Break*

Chair: Dr. Christina Mammarella

- 1530 – 1550 *Temperature and mortality in Tel Aviv in regard to climate change*, Dr. Chava Peretz, School of Public Health, Faculty of Medicine, Tel Aviv University, Israel, cperetz@post.tau.ac.il
- 1550 – 1610 *Influence of meteorological conditions on the fine particles (PM₁₀) levels in urban atmosphere*, Dr. Zvezdana Klaić, Professor, Andrija Mohorovičić Geophysical Institute Faculty of Science, University of Zagreb, Croatia, zklaić@irb.hr
- 1610 – 1630 *Remote Sensing and Public Health in a Changing Environment: The Rift Valley Fever Case*; Dr. Yves Tourre, Météo France and Columbia University, USA, yvestourre@aol.com
- 1630 – 1650 *West Nile Virus eruptions in summer 2010 – What is the possible linkage with climate change?*, Dr. Shlomit Paz, Department of Geography and Environmental Studies, University of Haifa, Mt. Carmel, Haifa, Israel, shlomit@geo.haifa.ac.il

Dinner 19h00-21h30 (Hotel Restaurant)



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Day 2, 29 April:

Breakfast 7h00 – 9h00 (Hotel Restaurant)

Chair: Dr. Roger Falconer

- 0900 – 0945 Keynote Address: *Implications of climate change for marginal and inland seas*, Dr. Peter Zavialov, Laboratory of land-ocean interactions, P.P.Shirshov Institute of Oceanology, Moscow, Russia, peter@ocean.ru
- 0945 – 1005 *Global warming projected water cycle changes over the Mediterranean*, Dr. Pinhas Alpert, Department of Geophysics and Planetary Sciences, Porter School of Environmental Studies, Tel-Aviv University, Tel Aviv, Israel, Pinhas@post.tau.ac.il
- 1005 – 1025 New atmospheric pollution indicators and tools to support policy for environmental sustainable development?. Dr. Christina Mammarella, Dr. Giovanni Grandoni, Italian National Agency for New Technologies, Energy and the Environment, Italy, mammarella@sede.enea.it, giovanni.grandoni@casaccia.enea.it
- 1025 – 1055 *Coffee Break*
- 1025 – 1055 *Poster by Dr. Vardanian - On Some Issues of the Anthropogenic Transformation of Water Ecosystems (Case Study of Lake Sevan)*, Dr. Trahel Vardanian, Department of Physical Geography and Hydrometeorology, Yerevan State University, Yerevan, Republic of Armenia, tvardanian@ysu.am
- Presentation of Dr. Elsaheed – Climate change effect on Egypt's water supply*, Dr. Gamal Elsaheed, Civil Engineering Department, Faculty of Engineering, Shobra, Banha University, Egypt, Elsaheed@sadcoegypt.com

Chair: Dr. Zvezdana Klaić

- 1055 – 1115 Overview Lecture: *Impacts from Climate Change on Water Resources at the River Catchment Scale*, Dr. Jacques Ganoulis, Aristotle University of Thessaloniki, Greece, iganouli@civil.auth.gr
- 1115 – 1135 *How effective could 'landscape management' tool address mitigation of cultural and natural threats on coastal wetlands system?* Dr. Adnan Kaplan, Agriculture Department, Ege University, İzmir, Turkey, adnankaplan@gmail.com
- 1135 – 1155 *Climate Change and Adoption Strategies- what is going on in the Republic of Serbia*, Dr. Vesela Radovic, University of Novi Sad, Serbia, veselaradovic@yahoo.com
- 1155 – 1215 *Climate variation or climate change? Evidence in favour in the Northern Adriatic Area, Croatia*, Dr. Ana Alebic-Juretic, Air Pollution Division, Teaching Institute of Public Health, Rijeka, Croatia, alebic@rijeka.riteh.hr
- 1215 – 1345 *Lunch Break*

Chair: Dr. Sergej Zilitinkevich

- 1345 – 1430 Keynote Address: *Interactions of global climate change and urban climate in different climate regions*, Dr. Robert Bornstein, San Jose State University, California, USA, pblmodel@hotmail.com
- 1430 – 1450 *Numerical and experimental simulations of local winds*, Dr. Antonio Cenedese, Franco Catalano, Serena Falasca, Monica Moroni, Dipartimento di Ingegneria Civile edile e ambientale, Facoltà di Ingegneria, Università degli Studi di Roma "La Sapienza", Rome, Italy, antonio.cenedese@uniroma1.it
- 1450 – 1510 *Future heat waves in Paris metropolitan area*, Dr. Anne-Lise Beaulant, National Center of Meteorological Researches, CNRM-Meteo France, Toulouse, France, anne-lise.beaulant@meteo.fr
- 1510 – 1530 *Coffee Break*

Chair: Lord Julian Hunt

- 1530 – 1550 *Global Water Security: Engineering the Future*, Dr. Roger Falconer, Cardiff University, United Kingdom, FalconerRA@cf.ac.uk, and Michael Norton, Managing Director of Water and Power, Halcrow Group, Ltd., United Kingdom
- 1550 – 1610 *Experiences from Assessing Local Water Conflicts: Understanding the Links between Water, Marginalisation and Climate Change*, Mr. Lukas Rüttinger, Adelphi Research, Germany, ruettinger@adelphi.de
- 1610 – 1630 *The relative impact of climate change on water resources in Jordan*, Dr. Ibrahim Oroud, Prince Faisal Center for Dead Sea, Environmental and Energy Research, Mu'tah University, Jordan, ioroud@mutah.edu.jo

Depart hotel for City tour and dinner 17h10



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Day 3, 30 April:

Breakfast 7h00 – 9h00 (Hotel Restaurant)

Chair: Dr. Marcus King

- 0900 – 0945 Keynote Address: *Climate Variability and Change, Human Health and National Security in Small Vulnerable Nations*, Dr. Nancy Lewis, Director, Research Program, East-West Center, Honolulu, Hawaii, USA, lewisn@eastwestcenter.org
- 0945 – 1005 *Modelling of Heavy Metals: Study of Impacts due to Climate Change*, Dr. Amela Jericevic, Meteorological and Hydrological Service, Croatia, jericevic@irus.dhz.hr
- 1005 – 1025 *Wind effects on man-made structures in the world of changing climate*, Dr. Hrvoje Kozmar, Mechanical Engineering and Naval Architecture, University of Zagreb, Zagreb, Croatia, hkozmar@fsb.hr
- 1025 – 1055 *Working coffee Break, and Group Discussions Begin*
- 1055 – 1215 *Group discussion continues*
- 1215 *Workshop ends*



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