

## **Scientific Forum 2013**

### *The Blue Planet: Nuclear Applications for a Sustainable Marine Environment*

**17-18 September 2013**  
**IAEA Headquarters, Vienna, Austria**  
*Board Room D, C-Building, 4<sup>th</sup> Floor*

### **Tentative Programme** *(as of 12 September 2013)*

**Moderator: Ms Naga Munchetty**

**Tuesday, 17 September 2013**

**11.00-13.00      Opening Session**

This session highlights the importance of coastal and marine systems, the cumulative pressures facing those systems, and the need for collaborative partnerships that utilize a framework of robust science for targeted responses.

**Austrian-Australian Choir**

**Mr Yukiya AMANO**, IAEA Director General

**S.A.S. Le Prince Albert II de Monaco** (video address),  
introduced by **Mr José BADIA**, Minister of Foreign Affairs, Monaco

**Mr Bernard BIGOT**, Chairman of the French Alternative Energies and Atomic Energy Commission, France

**Mr Vyacheslav PERSHUKOV**, Rosatom Deputy Director General –  
Director of Directorate for Scientific and Technical Complex, Russian Federation

**Mr Ronald JUMEAU**, Ambassador for Climate Change and Small Island Developing State Issues, Seychelles

**Ms Wendy WATSON-WRIGHT**, Assistant Director General and Executive Secretary, UNESCO, Intergovernmental Oceanographic Commission (video address), France

**Keynote Speaker: Professor Frederic BRIAND**, Director General, Mediterranean Science Commission, Monaco

**13.00-14.00 Lunch break**

**14.00-15.00 Film: Tipping Point**

**15.00-16.15 Technical Session I (part 1): *Oceans of Change***

This session focuses on the particular challenge of climate change and ocean acidification. The session will provide an opportunity to highlight, inter alia, the Ocean Acidification – International Coordination Centre (OA-ICC) established at the IAEA laboratories in Monaco.

**Mr Sam DUPONT**, Researcher, Coordinator of the Ocean Acidification Infrastructure Facility, Department of Biological and Environmental Sciences – Kristineberg, University of Gothenburg, Sweden

**Mr Bill DEWEY**, Public Policy and Communications Director, Taylor Shellfish Company, USA

**Mr Rashid SUMAILA**, Professor and Director, Fisheries Economics Research Unit at UBC Fisheries Centre, Aquatic Ecosystems Research Laboratory, University of British Columbia, Canada

**16.15-16.45 Coffee break**

**16.45-18.00 Technical Session I (part 2): *Oceans of Change***

**Mr Denis ALLEMAND**, Scientific Director, Centre Scientifique de Monaco, Monaco

**Mr Paul HOLTHUS**, President and founding CEO, World Ocean Council, USA

**Mr Raphaël BILLE**, Programme Director Biodiversity and Adaptation, Institute for Sustainable Development and International Relations, France

**Mr Carlos ALONSO HERNÁNDEZ**, Ministerio de Ciencia, Tecnología y Medio Ambiente, Laboratorio de Vigilancia Radiológica-Ambiental, Centro de Estudios Ambientales de Cienfuegos, Cienfuegos Laboratory, Cuba

**18.00-20.00 Reception at the Coffee Lounge Area on the second floor, C-Building**

**Wednesday, 18 September 2013**

**10.00-11.15 Technical Session II (part 1): *Hilltops-to-Oceans***

This session addresses both radioactive and non-radioactive pollution of coastal and marine ecosystems, emphasising the fact that most marine pollution stems from land-based sources. The session will explore how nuclear techniques can assist industry and municipal authorities to reduce the impacts of land-based sources of marine pollution.

**Mr José Marcus GODOY**, Associated Professor, Laboratório de Caracterização de Águas, Departamento de Química, Pontifícia Universidade Católica do Rio de Janeiro, Brazil

**Mr Michio AOYAMA**, Senior Scientist, Geochemical Research Department, Meteorological Research Institute, Japanese Meteorological Agency, Meteorological Research Institute, Japan

**Mr Yimnang GOLBUU**, CEO and Chief Researcher, Palau International Coral Reef Center, Republic of Palau

**Mr Richard BANATI**, Professor and Chair of Medical Radiation Sciences, Faculty of Health Sciences, University of Sydney, Director National Imaging Facility ANSTO- University of Sydney Node, Australia

**11.15-11.45 Coffee break**

**11.45-13.00 Technical Session II (part 2): *Hilltops-to-Oceans***

**Mr William COOPER**, Professor of Civil and Environmental Engineering, Director of the Urban Water Research Center, University of California / Urban Water Research Center, USA

**Mr Bumsoo HAN**, CEO, EB-Tech, Republic of Korea

**Mr Suresh PILLAI**, Professor of Microbiology, Director, National Center for Electron Beam Food Research, Texas A&M University, USA

**Mr Ashok GHOSH**, Ex-Director, Health and Safety Group, Raja Ramana Fellow, Bhabha Atomic Research Centre, India

**13.00-15.00 Lunch break**

**15.00-16.15**      **Technical Session III (part 1): *Shores of Resilience***

This session emphasizes how nuclear and isotopic techniques are improving global understanding of coastal processes and their role in sustainable development while engendering appropriate management responses that build the resilience of coastal and marine systems.

**Ms Jacqueline ALDER**, Head, Marine and Freshwater Ecosystems Branch, United Nations Environment Programme, Kenya

**Ms Catherine CHAGUE-GOFF**, Research Fellow, Institute for Environmental Research, ANSTO and School of Biological, Earth and Environmental Sciences, University of New South Wales, Australia

**Mr Fernando SIRINGAN**, Professor, University of the Philippines, Marine Science Institute, Philippines

**Mr Rudolf WU**, Chair Professor and Director, School of Biological Sciences, University of Hong-Kong, China

**16.15-16.30**      **Coffee break**

**16.30-17.45**      **Technical Session III (part 2): *Shores of Resilience***

**Mr Ashley TOWNSEND**, Deputy Director and Senior Research Fellow, Central Science Laboratory, University of Tasmania, Australia

**Mr Elvis NYARKO**, Head of Department of Marine & Fisheries Sciences, University of Ghana, Ghana

**Mr Joan-Albert SÁNCHEZ-CABEZA**, Universidad Nacional Autónoma de México, Instituto de Ciencias del Mar y Limnología, Mexico

**17.45-18.15**      **Closing Session**

Conclusions by **Mr David OSBORN**, Director, IAEA Environment Laboratories

Address by **Mr Yukiya AMANO**, IAEA Director General