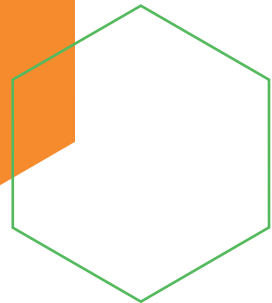




# SCIENCE FAIR

in the margins of the  
2015 Triple COPs



7 - 9 May, 2015  
CICG Geneva, Switzerland  
Basel Rotterdam Stockholm



**COPs**

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## SCIENCE AS THE BOTTOM LINE

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Dear participant

Welcome to the 2015 Science Fair, held in the margins of the triple COPs: the meetings of the conference of the parties to the Basel, Rotterdam, and Stockholm Conventions.

Three days, three conventions, and a multitude of experiences.

Come and see how chemicals get listed under the conventions, how the scientific bodies work, how a sound scientific basis underpins decision-making, and how knowledge of chemicals and waste issues can lead to empowered people, more responsible choices, sustainable consumption and production, and the transition to a greener, more inclusive economy for us all.



See you in the Science Fair!

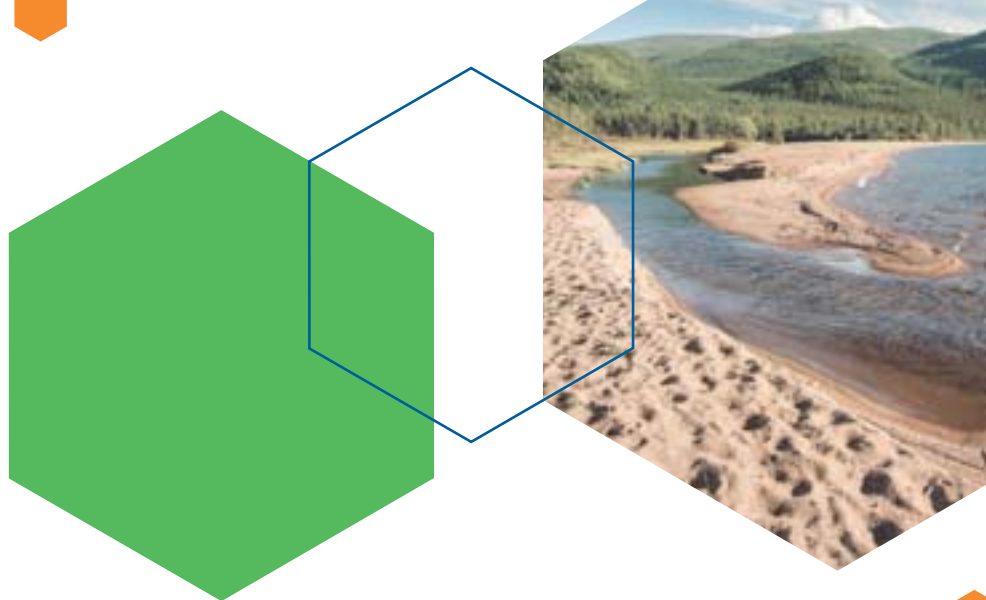
Abiola Olanipekun

Chief,  
Scientific Support Branch,  
Secretariat of the Basel,  
Rotterdam, and Stockholm  
Conventions

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## FROM SCIENCE TO ACTION WORKING FOR A SAFER TOMORROW

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# WHAT ARE THE SPECIAL EVENTS DURING THE SCIENCE FAIR?

## THURSDAY MAY 7th

TIME	LOCATION	EVENT
13:15 lunchtime (sandwiches provided)	Ground floor CIGG at the entrance to the Science Fair	OPENING CEREMONY

Featuring video addresses by the UNEP Executive Director, Achim Steiner, and the Director-General of FAO, Jose Graziano da Silva and Official Opening of the Science Fair by representatives of the governments of Finland and Switzerland, respectively the donor and host of the Science Fair.

## FRIDAY MAY 8th

TIME	LOCATION	EVENT
13:15 lunchtime (sandwiches provided)	On the podium and big screen, inside the Science Fair, ground floor CIGG	PANEL DISCUSSION ON SCIENCE FOR SUSTAINABLE CHEMICALS AND WASTE MANAGEMENT IN THE 21ST CENTURY

Interactive panel discussion involving Fatoumata Keita-Ouane, former Head of UNEP Chemicals Branch; Maria Ivanova, Scientific Advisor to the UN Secretary-General; Ambassador Fernando Lugris, Government of Uruguay and the Minamata Convention Negotiating Committee Chairman; Lucy Gilliam, Toxicologist and Sailor from Exppedition; and Mark Davis, Senior Officer Pesticides Management, FAO. Moderated by Isabelle Valentiny, UNEP Regional Office for Europe.



## SATURDAY MAY 9th

TIME	LOCATION	EVENT
13:15 lunchtime (sandwiches provided)	Room 3, ground floor CIGG	PANEL DEBATE : MAINSTREAMING OF SCIENCE IN THE SOUND MANAGEMENT OF CHEMICALS AND WASTES

Moderated by the UNEP Chief Scientist, Jacqueline McGlade, and with Opening Remarks by Rolph Payet, Executive Secretary of the Basel, Rotterdam, and Stockholm Conventions, this panel debate will feature Estefania Moreira, Chair of the POPs Review Committee; Magdalena Frydrych, government of Poland and member of the Chemicals Review Committee; Jinhui Li, Basel Convention Regional Centre for Asia and the Pacific; and Oladele Osibanjo, Executive Director of the Basel Convention Coordinating Centre for the African Region, Nigeria.



## SATURDAY MAY 9th

TIME	LOCATION	EVENT
18:00 after plenary	Inside the Science Fair, ground floor CIGG	CLOSING CEREMONY COCKTAILS AND FILM SCREENING

Featuring closing words by the COP Presidents, this event is your last opportunity to catch the many exhibits of the Science Fair. Enjoy a bite to eat whilst watching the gripping story of Expedition's all-female scientific voyage across the Atlantic, which brought global attention to chemicals and waste, oceans, and women's health.

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## WHAT TOPICS DO THE BOOTHS COVER?

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### ACCESSING SCIENCE THROUGH THE CLEARING HOUSE MECHANISM

(BRS Secretariat)

For those wishing to better grasp how science underpins the three Conventions, this booth includes material to explain and clarify the concepts in the three conventions that have a scientific underpinning and showcases tools that facilitate the dissemination of scientific and technical documents developed under the three conventions through the clearinghouse mechanism.

Booth events include:

- ◇ “Presentation of the planetary boundaries approach and ongoing research”, Prof. Hy Dao and Damien Friot, University of Geneva - Friday evening.

### SCIENTIFIC PROCESSES UNDER THE BRS CONVENTIONS

(BRS Secretariat; members of POPRC, CRC, OEWG; GEF-STAP; WHO; PAN; ICCA; and IPEN)

This booth explores the impact of science on decision-making through increasing the understanding of the workings of the scientific, subsidiary, bodies of the three conventions. Booth events include:

- ◇ “WHO Human Health Risk Assessment Toolkit- Practical guidance to countries to assess health risks from chemicals”, WHO experts - Friday lunchtime.
- ◇ “Science supporting decision-making on chemicals and wastes management” – Experts from POPRC, CRC, OEWG members, GEF-STAP, ICCA, PAN – Science Fair podium: Friday evening.



### SCIENTIFICALLY SOUND POPS MONITORING

(GMP-Regional and global organization groups; strategic partners: AMAP; EMEP; MSC-East; East-Asia POPsMP; GAPS; MONET; RECETOX; UNEP Chemicals; UN Habitat; and WHO)

For those seeking to understand global POPs monitoring, this booth presents the methodology and results of POPs monitoring under the GMP, demonstrates the GMP data warehouse, and highlights scientific issues and concepts to be considered while interpreting monitoring data. Booth events include:

- ◇ “Demonstration of the GMP Data Warehouse”, Katarina Sebkova, RECETOX, Czech Republic – Thursday lunchtime and evening;

Friday lunchtime and evening; Saturday lunchtime.

- ◇ “Modelling of POPs transport and fate on global scale and within the EMEP region”, Alexey Gusev, UN ECE- EMEP MSC-East - Thursday lunchtime and evening; Friday evening.
- ◇ “AMAP monitoring of persistent organic pollutants in the Arctic” Lars-Otto Reiersen, AMAP - Friday lunchtime.
- ◇ “Monitoring of water-borne industrial and Hazardous discharges under the SDGs- Global Enhanced Monitoring Initiative (GEMI)”, Graham Alabaster, UN Habitat - Saturday lunchtime.



## SCIENCE SUPPORTING SAFE AND EFFICIENT SOLUTIONS FOR HAZARDOUS INDUSTRIAL CHEMICALS

(BRS Secretariat; UNEP Chemicals; IOMC; UNITAR; UNIDO; ICCA; and IPEN)

Demonstrates how science can increase benefits from industrial chemicals while avoiding and preventing the risks. Booth events include:

- ◇ “FRA evaluation Toolkit: A user-friendly access to scientific and technical information for designated national authorities of the Rotterdam Conventions from developing countries for the evaluation of final regulatory actions of hazardous chemicals towards increasing notifications under the Convention”- BRS Secretariat - Thursday lunchtime and Friday lunchtime.
- ◇ “IOMC Toolbox: Resources from international organizations to assist countries with the management of industrial chemicals-Linking science to policies, legislation and practice” - IOMC - Saturday lunchtime.
- ◇ “Preliminary assessment of efforts made towards the elimination of PCB” – UNEP Chemicals Branch – Saturday lunchtime.

## SCIENCE SUPPORTING RISK REDUCTION FROM HAZARDOUS PESTICIDES

(FAO; IFOAM; IOMC; WHO; UNEP Chemicals and UNEP TEEB; PAN; ICIPE; IPEN; and TECA)

Demonstrates how science can support policy makers and farmers in making informed decisions on hazardous pesticides, through better understanding and management of the risks. Booth events include:

- ◇ “Strategies for Reducing Pesticides” - Andre Leu, President, International Federation of Organic Agriculture Movement – Thursday lunchtime.
- ◇ “TEEB for Agriculture and Food: linking ecosystems, biodiversity and human health” - Dr. Salman Hussain, Coordinator of TEEB, UNEP - at the Science Fair Podium: Thursday evening 18:00.
- ◇ Science Fair Podium: “The Myths of Safe Pesticides” - Andre Leu - President, IFOAM - at the Science Fair Podium: Thursday evening 18:45.
- ◇ “Developing and promoting eco-friendly alternatives for control of pests and disease vectors in Africa - without the use of persistent organic pollutants (POPs)” ICIPE (African Insect Science for Food and Health) - Thursday evening.

- ◇ “IOMC Toolbox: Resources from international organizations to assist countries with the management of pesticides - Linking science to policies, legislation, and practice” IOMC – Friday lunchtime.
- ◇ “Road Map for the Development of Alternatives to DDT” - UNEP Chemicals Branch – Friday lunchtime.
- ◇ “WHO Recommended Classification of Pesticides” and “Criteria for Highly Hazardous Pesticides – JMPM (Joint meeting on Pesticide management)” Dr. Richard Brown, WHO – Friday evening.
- ◇ “Growing Coffee Without Endosulfan”, with Dr Stephanie Williamson, Chief Scientist, PAN UK – Saturday lunchtime.

## SCIENCE PROVIDING SUSTAINABLE WASTE MANAGEMENT SOLUTIONS: TURNING WASTE TO RESOURCE

(BRS Secretariat, Federal Environment Agency, Germany; IPEN; NEMA, Kenya; UNU/STEP; University of Geneva; Four Electrical and Electronic Industry Associations, 4JA Japan; Polyeco SA, Greece; Medi-Clave, South Africa; and UNDP)

Explains basic terms and concepts related to hazardous waste and the underlying science and demonstrates

examples of science providing sustainable waste management solutions. Booth events include:

- ◇ “Design of Health Care Waste Treatment Autoclaves for Africa and their application in response to the Ebola epidemic”, Jacques van Engel – Director Montreal Protocol Unit/ Chemicals, UNDP, Jorge Emmanuel – Healthcare Waste Management Expert for UNDP’s Global Project for Ebola - at the Autoclave: Thursday lunchtime.
- ◇ “Waste classification exercise” Dr. Joachim Wuttke, Federal Environment Agency, Germany, - Thursday lunchtime.
- ◇ “Polyeco’s Contemporary Art Initiative”, Loraini Alimantiri, Polyeco SA, Greece, Thursday evening, Saturday lunchtime.
- ◇ “Interdisciplinary approach for the study of regional waste management systems”, Dr. Francis Bergeron, University of Geneva, Friday lunchtime.

## SCIENCE EMPOWERING THE PUBLIC: HOW ARE WE PERSONALLY AFFECTED AND WHAT CAN WE DO?

(BRS Secretariat;  
Expedition; IPEN;  
RECETOX; SafePlanet  
campaign; and UNEP  
Chemicals)

The booth communicates the main pathways of exposure to chemicals affecting us all, through the air we breathe, the water we drink, the food we eat, and the products we use in everyday life. Sustainable choices and behavior reduce our impact on the environment and improve life quality, a fundamental truth at individual, institutional, and corporate levels. Booth events include:

- ◇ "Presentation of the Expedition voyage and the results of the trans-Atlantic water and body burden monitoring" Emily Penn and Dr. Lucy Gilliam, Expedition team, UK – Thursday evening.
- ◇ "Monitoring recycled brominated flame retardants in new products", IPEN, - Friday lunchtime.
- ◇ "Dialogue on sustainability practices across organizations", BRS Sustainability team – Friday evening.
- ◇ "Raising public awareness to water quality - a series of laboratory experiments to assess water quality", Chimiscope, University of Geneva – Saturday lunchtime.

## FROM SCIENCE TO ACTION: EXAMPLES OF SUCCESSFUL ACTIONS TOWARDS A SAFER TOMORROW

(BRS Secretariat; and  
Regional Centres for the  
Basel and Stockholm  
Conventions)

Presents on-the-ground examples of science supporting the implementation of the three conventions and demonstrates how chemicals and waste can contribute to greening the economy. Booth events include:

- ◇ "Actions to Improve the Environmentally Sound Management of Waste and Chemicals in Asia and the Pacific", BCRC China - Friday lunchtime.
- ◇ Presentation of the activities undertaken by the Centres", Basel and Stockholm Regional Centres – timing to be confirmed.
- ◇ Signing of MOU between CETESB and BCRC Argentina", Basel and Stockholm Regional Centres – timing to be confirmed.
- ◇ "You got a friend", Miguel Araujo, Director, BCRC-El Salvador – timing to be confirmed.
- ◇ "The Power of ESM & Cleaner Production in ULAB Recycling", Luis Marroquin, Plant Manager Acumuladores Iberia – timing to be confirmed.

- ◇ "Preparing the Implementation of the 2015-2020 synergistic ESM Action Plan to Central America, the Dominican Republic, Mexico and beyond", Miguel Araujo, Director, BCRC-El Salvador – timing to be confirmed.
- ◇ "Estrogenic Activity of Groundwater Samples in São Paulo State", Stockholm Regional Centre CETESB/Brazil – timing to be confirmed.
- ◇ "Assessment of PCB Contamination in Fish", Stockholm Regional Centre CETESB/Brazil – timing to be confirmed.
- ◇ "Dioxins, Furans and PCB levels in Agricultural and Forest Soil from São Paulo State", Stockholm Regional Centre CETESB/Brazil – timing to be confirmed.
- ◇ "Collectors of recyclable materials: Health, Work and Environment", Stockholm Regional Centre CETESB/Brazil – timing to be confirmed.

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## THE SCIENCE FAIR'S SPECIAL GUEST EXHIBITORS WILL BE WIPO: THE WORLD INTELLECTUAL PROPERTY ORGANISATION.

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The United Nations (UN) specialized agency dedicated to the promotion of innovation and creativity for the economic, social and cultural development of all countries through a balanced and effective international intellectual property (IP) system, WIPO will showcase its activities on Patent Landscape Reports (PLRs) and WIPO GREEN. WIPO's Patent Landscape Reports (PLRs) provide a snap-shot of the patenting activity and trends in a specific area of technology, either within a given country or region, or globally. WIPO GREEN is an interactive marketplace that promotes innovation and diffusion of green technologies by connecting technology and service providers with those seeking innovative solutions.



## MINISTRY FOR FOREIGN AFFAIRS OF FINLAND

With thanks to the Government of Finland  
for funding support.



# COPs



UNEP



BASEL CONVENTION



ROTTERDAM CONVENTION



STOCKHOLM CONVENTION



Food and Agriculture  
Organization of the  
United Nations