



**FORUM ON THE PEACEFUL USES OF CHEMISTRY: POTENTIAL  
CONTRIBUTION OF THE OPCW TO THE ACHIEVEMENT OF THE  
UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS  
THE HAGUE, THE NETHERLANDS  
23 OCTOBER 2018**



**MESSAGE FROM AMBASSADOR FERNANDO ARIAS  
DIRECTOR-GENERAL OF THE OPCW**



I am honoured to welcome you to the third edition of the *Forum on Peaceful Uses of Chemistry*. The theme of this year's forum is the “*Potential Contribution of the OPCW to the Achievement of the United Nations Sustainable Development Goals*” (SDGs). Your exchange of experiences will serve as a basis for promoting the peaceful uses of chemistry for the contribution to sustainable social, economic and environmental development.

Global peace and security is the foundation on which sustainable development rests. The OPCW's founding goal of ridding the world of chemical weapons is a direct contribution to securing a peaceful world (SDG 16 – Peace, Justice, and Strong Institutions).

As the custodian of the Chemical Weapons Convention (CWC), our work reaches far beyond disarmament. As this event demonstrates, the OPCW is firmly committed to fostering the development of chemistry for peaceful purposes as provided for in Article XI of the CWC.

Our support for chemical industry development, free trade in chemicals and the open exchange of information and knowledge about the peaceful application of chemistry helps our States Parties develop industry and drive innovation (SDG 9 – Industry, Innovation, and Infrastructure). To ensure the achievement of this core objective at national, regional and global levels, the OPCW is running a wide spectrum of tailor-made and on demand capacity building activities and programmes. Our work in this area also promotes cooperation among stakeholders in legal, scientific, military, law enforcement and other spheres.

Our near universal membership (193 Member States) facilitates effective partnership building among stakeholders around the world (SDG 17 – Partnerships for the Goals). This forum demonstrates how the OPCW uses its global reach to promote international solidarity and cooperation to advance in sharing the benefits of chemistry for the safety and wellbeing of all.

There are many complex and global challenges that require the full mobilisation of the best and the brightest. Chemistry has an important contribution to make in terms of solutions to these challenges, from climate change to peace and security.

Through this forum, I hope you will benefit from sharing your experiences and ideas to build partnerships and explore synergies in line with the SDGs. Supporting the peaceful uses of chemistry is critical for creating a safer, more prosperous, more equitable and peaceful world. Together, we will raise awareness of the importance of capacity building in this area and seize this opportunity to build international solidarity on this critical issue.

*Working together for a world free of chemical weapons*

## PROGRAMME

<b>Time</b>	<b>Agenda</b>
08:30 -09:00	Arrival and registration Group Photo
9:00 – 09:15	Opening Ceremony
09:15 – 10:15	<b>First Session:</b> Overview of the Sustainable Development Goals (SDGs) and OPCW Capacity Building Activities in Contributing to the SDGs  <i>Moderator:</i> Mr Cheng Tang, Vice Chairperson, Scientific Advisory Board  <i>Speakers:</i>  <u>Sound Management of Chemicals within the SDGs: The Challenges of Implementing an Integrated Approach</u> Mr Pierre Quiblier, Programme Officer, United Nations Environment (UNEP)  <u>OPCW Capacity Building Activities in Contributing to the SDGs</u> Mr Shawn DeCaluwe, Acting Head, International Cooperation Branch, OPCW  <u>Contribution of the Chemical Weapons Convention to the United Nations' Sustainable Development Goals</u> Ms Agata Justyna Gaca, Institute of Industrial Organic Chemistry, Poland
10:15 – 10:30	<i>Coffee/tea break</i>
10:30 – 11:30	<b>Second Session:</b> Peaceful Applications of Chemistry  <i>Moderator:</i> Mr Cheng Tang, Vice Chairperson, Scientific Advisory Board  <i>Speakers:</i>  <u>Peaceful Application of Chemistry: Industry Perspectives</u> Ms Deidré Penfold, Executive Director, Chemical and Allied Industries' Association, South Africa  <u>The Green Chemistry: The Way Forward</u> Dr Pietro Tundo, Chair of IUPAC Interdivisional Committee on Green Chemistry for Sustainable Development  <u>Designing Peace: One Molecule at a Time</u> Dr Paul Anastas, Director for Green Chemistry and Green Engineering, Yale University, United States of America

11:30 – 12:30 **Third Session:** Chemical Safety, Security and Sustainability

*Moderator:* Mr Cheng Tang, Vice Chairperson, Scientific Advisory Board

*Speakers:*

Contributions of the Chemical Industry to the Sustainable Development Goals

Ms Ann Dierckx, Sustainable Development Director, European Chemical Industry Council (CEFIC)

Chemical Safety & Security and the Sustainable Development Goals

Dr Austin Ochieng Aluoch, Senior Lecturer, Technical University of Kenya, Kenya

Sustainable Chemistry: The OPCW and the SDGs

Dr Klaus Kümmerer, Director of the Institute of Sustainable and Environmental Chemistry, University of Luneburg, Germany

12:30 – 14:00 *Lunch break*

14:00 –14:40 **Forth Session:** Gender Mainstreaming

*Moderator:* Mr Cheng Tang, Vice Chairperson, Scientific Advisory Board

*Speakers:*

Canada's Feminist Foreign Policy within the OPCW Framework

Ms Sumita Dixit, Counsellor and Deputy Permanent Representative, Permanent Representation of Canada to OPCW, Canada

Gender Equality and Empowerment at the OPCW

Ms Michelle Oliel, Legal Officer, Office of the Legal Adviser, OPCW

14:40 –16:40 **Fifth Session: Building Institutional Synergies on Promoting International Cooperation on SDGs**

*Moderator:* Mr Cheng Tang, Vice Chairperson, Scientific Advisory Board

*Speakers:*

OECD Chemicals Programme Contribution to SDG Goals

Dr Eeva Leinala, Principal Administrator, Hazard Assessment and Risk Reduction Programme, Organisation for Economic Co-operation and Development (OECD) (Video Conference)

Sound Management of Chemicals to Achieve the SDGs: International Responses to Activate Synergies and Cooperation

Mr Pierre Quiblier, Programme Officer, United Nations Environment (UNEP)

Learning and Dissemination as Means of Promoting Peaceful Application of Chemistry and the United Nation's Sustainable Development Goals: A Personal Experience

Dr Adeyinka Olubumi Fasakin, Lecturer, Ekiti State University, Nigeria (Video Conference)

PEACE, the Foundation for achieving the UN Sustainable Development Goals - Indonesia's Perspective

Dr Wuri Wuryani, Lecturer, Resource of Competencies in Chemical Learning Centre, Indonesia

Do We Prepare Next Generation of Chemists for the Complex Challenges of Sustainability?

Dr Mariana Dennehy, Lecturer, Universidad Nacional del Sur, Argentina

How to identify the most relevant Sustainable Development Goals for your organization: A Science-Based Case Study of a Multinational Enterprise

Dr Detlef Maennig, Vice President Corporate Responsibility, Evonik Industries AG, Germany

16:40 – 17:00 *Coffee/tea break*

17:00 – 18:00 Recommendations and Closing

*Moderators:*

Mr Hamza Khelif, Director, International Cooperation and Assistance, OPCW  
Mr Junaid Sadiq, Article XI Facilitator  
Mr Cheng Tang, Vice Chairperson, Scientific Advisory Board

## MODERATORS



**Mr Hamza Khelif**  
Director  
International Cooperation and Assistance Division  
OPCW



**Mr Cheng Tang**  
Vice Chairperson  
Scientific Advisory Board  
OPCW



**Mr Junaid Sadiq**  
Article XI Facilitator and First Secretary  
Permanent Representation of the Islamic Republic of  
Pakistan to the OPCW



## SPEAKERS



**Dr Adeyinka Olubumi Fasakin, Nigeria**

Lecturer  
Ekiti State University



**Ms Agata Justyna Gaca, Poland**

Expert Engineer  
Institute of Industrial Organic Chemistry



**Ms Ann Dierckx, CEFIC**

Sustainable Development Director  
European Chemical Industry Council  
Belgium



**Dr Austin Ochieng Aluoch, Kenya**

Lecturer  
Technical University of Kenya



**Ms Deidre Penfold, CAIA**

Executive Director  
Chemical & Allied Industries' Association  
South Africa



**Dr Detlef Maennig, ICCA**

Vice President Corporate Responsibility  
International Council of Chemical Associations  
Evonik Industries AG, Germany



**Dr Eeva Leinala, OECD**

Principal Administrator  
Organisation for Economic Co-operation and  
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**Dr Klaus Kümmerer, Germany**

Director of the Institute of Sustainable and  
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**Dr Mariana Dennehy, Argentina**

Associate Professor  
Universidad Nacional del Sur



**Dr Paul Anastas, United States of America**

Director for Green Chemistry and Green  
Engineering  
Yale University



**Mr Pierre Quiblier, UNEP**

Programme Officer  
United Nations Environment Programme



**Dr Pietro Tundo, IUPAC**

Chair of Interdivisional Committee on Green  
Chemistry for Sustainable Development  
International Union of Pure and Applied  
Chemistry



**Ms Sumita Dixit, Canada**

Counsellor and Deputy Permanent  
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Permanent Representation of Canada to OPCW



**Dr Wuri Wuryani, Indonesia**

Lecturer  
Resources of Competencies in Chemistry  
Learning Centre

## PARTICIPANTS



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Senior Lecturer, University of Ouagadougou



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First Secretary  
Colombian Ministry of Foreign Affairs



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**Ms Shifa Kusumaningrum, Malaysia**

First Secretary  
Permanent Representation of Malaysia  
to the OPCW



**Mr Nabil Houkmi, Morocco**

High management for the prevention of  
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State entity in charge of Sustainable  
Development



**Mr Thar Htat Kyaw, Myanmar**

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Permanent Representation of the Republic of  
Panama to the OPCW



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Ministry of Foreign Affairs and Communities



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**Saudi Arabia**

Chemical Engineer  
Ministry of Commerce and Investment



**Mr Ibrahim Ahmad I Waggad,**  
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Ministry of Energy, Industry and Mineral  
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**Mr Nasser Ahmed Mohammed Saed Taha,**  
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Alzaharaa Pharmaceutical Plant

## **TECHNICAL SECRETARIAT**



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Acting Head  
International Cooperation Branch



**Ms Michelle Oliel**

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Office of the Legal Adviser





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