



Report of the Scientific Advisory Board

Dr Christopher Timperley
(Chairperson of the SAB)



Scientific Advisory Board



SAB met for 22nd session on 8-12 June

Report issued as SAB-22/1 on 21 July

Chairperson :

Christopher Timperley (UK and Northern Ireland)

Vice-Chairperson :

Cheng Tang (Peoples Republic of China)



Departing members

Alejandra Suárez (Argentina)

Djafer Benachour (Algeria)

Michael Geist (Germany)

Muhammad Zafar-Uz Zaman (Pakistan)

Slavica Vučinić (Serbia)

William Kane (USA)



Convergence



Progress in life sciences outpacing BWC and CWC review cycles : will need to be monitored

Members of the SAB and TWG attended SPIEZ CONVERGENCE on 6-9 Oct 2014 in Switzerland

SAB Chairperson attended microbial production systems workshop sponsored by Global Network of Science Academies on 9 Aug 2015

SAB Chairperson briefed States Parties at BWC Meeting of Experts at UNOG on 12 Aug 2015





Verification

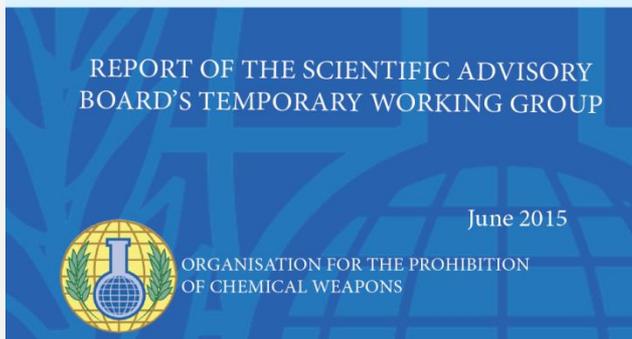


VERIFICATION

TWG chaired by Prof. Roberto Martínez-Álvarez

SAB Chairperson and Vice-Chairperson briefed report to States Parties on 11 June 2015

SAB Chairperson briefed industry cluster on 5 Oct and States Parties again on 7 Oct 2015





Education and outreach



EDUCATION AND ENGAGEMENT:
Promoting a Culture of Responsible Chemistry

FINAL REPORT OF THE SCIENTIFIC ADVISORY
BOARD'S TEMPORARY WORKING GROUP

NOVEMBER 2014



ORGANISATION FOR THE PROHIBITION
OF CHEMICAL WEAPONS

Final report endorsed by SAB in November 2014 and made available to States Parties at annual meeting of National Authorities

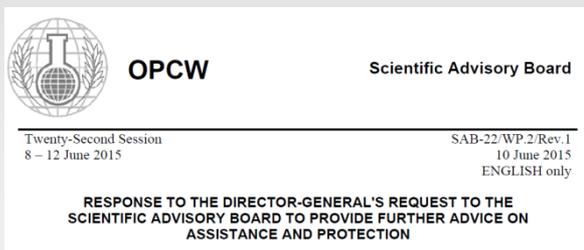
SAB noted the TWG had many accomplishments: educational materials (multiple uses of chemistry, chemistry in conflict, and the Fires video series)

SAB noted this TWG had made a large impact through recommendations and outreach activities

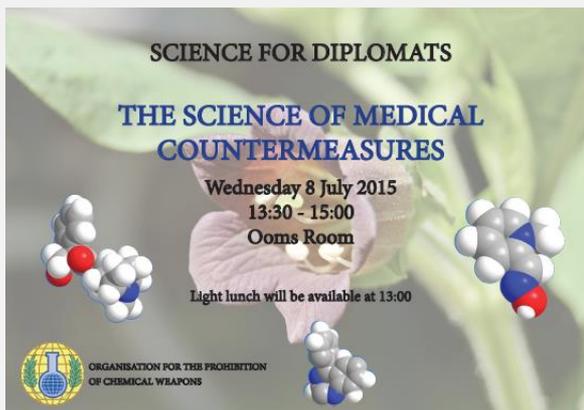
TWG members have been involved in establishing The Hague Ethical Guidelines (www.opcw.org)



Assistance and protection



SAB provided further advice on best practices for preventing and treating health effects that arise from acute, prolonged and repeated organo-phosphorus nerve agent exposure



Advice augments frame of reference for medical professionals and emergency responders who may not have knowledge of symptoms and treatment options related to exposure to chemical warfare agents

SAB hopes the advice can be inputted into OPCW assistance-and-protection courses and workshops

by Prof. Slavica Vulčinić



Guest speakers at SAB-22



Prof. Ake Sellstrom

Leader of the UN mission to investigate the use of chemical weapons in the Syrian Arab Republic



Dr. Daan Noort

Principal scientist at the Netherlands Organisation for Applied Scientific Research (TNO) Defence, Safety and Security



Ambassador Istvan Gyarmati

Chairperson of the Advisory Board to the UN Secretary-General on Disarmament Matters



SAB and CBRN security



**SIDE EVENT G7 GLOBAL PARTNERSHIP:
COMPREHENSIVE CBRN SECURITY CULTURE:
MOVING FORWARD TO ADDRESS NEW CHALLENGES**

April 24, 2015
United States Consulate
Munich, Germany
Königinstraße 5

Hosted by the U.S. Consulate in Munich under the auspices of Germany's Presidency of the G7 Global Partnership and in cooperation with the United Nations Office for Disarmament Affairs and the Global Partnership Sub-Working Group on Centers of Excellence and CBRN Security, using funds from the UN Trust Fund for Global and Regional Disarmament Activities donated by the Governments of Norway, the United States of America and the European Union



SAB Vice-Chair attended meetings on CBRN security culture at side-events of the Global Partnership against the Spread of WMD

**“A Road Map for Comprehensive and Sustainable CBRN Security Culture”
Berlin, 3 November 2014**

**“Comprehensive CBRN Security Culture:
Moving Forward to Address New Challenges”
Munich, 24 April 2015**





Planning for SAB report for RC-4

Two SAB meetings scheduled in 2016 and two in 2017

Plan to issue the SAB report 9 months prior to RC-4, so that :

- States Parties will be able to take scientific advice into account when formulating national positions
- States Parties will be able to discuss S&T developments in preparation for the review conference
- Technical Secretariat will be able to take S&T advice into account when making substantive proposals to the Review Conference

SAB highlighted the value of the Secretariat's S&T monitoring efforts



Intersessional work

Workshops on S&T topics will be organised by the Technical Secretariat to facilitate deliberations for SAB's report to RC-4

- **Chemical forensics (CW agents and their precursors)**
- **Mechanisms of toxicity of chemical warfare agents**

SAB members will attend scientific conferences to ensure the highest quality of S&T advice feeds into the SAB report to RC-4

SAB will provide technical advice in response to the Director-General's requests, on isotopically-labelled scheduled chemicals, and on stereoisomers of scheduled chemicals by middle of 2016



Any questions?