Science Advice, Science Diplomacy and Science Communication at the Organisation for the Prohibition of Chemical Weapons

Scientific Advisory Board



The Chemical Weapons Convention is built on a scientific foundation, requiring technical expertise for effective implementation, and scientific literacy for decision making.

Scientific principles provide the definitions for what is, and what is not a chemical weapon; ensure completeness of declarations; guarantee the robustness of sampling and analysis and other verification methodologies; guide the processes and methods used for inspections, investigations and destruction; inform approaches to assistance and protection; and benefits outreach to scientific communities."

The Scientific Advisory Board (SAB) is a subsidiary body of the OPCW serving as an independent science advisory mechanism to provide advice to inform the work and processes of the OPCW, and to bring scientific literacy into the policymaking process.

The SAB was established in accordance with the Chemical Weapons Convention to enable the Director-General to render specialized advice in areas of science and technology relevant to the Convention, its State Parties, the Conference of States Parties, and the **Executive Council.**

For the basis of the SAB in the Chemical Weapons Convention, see Article VIII Paragraph 21 (h).



The SAB is made up of 25

experts from OPCW Mem-

ber States. Members serve in

their personal capacity (not

as representatives of their

respective States Parties) for

up to two consecutive three-

year terms. The SAB chair

and vice-chair are elected

Scientists from more than

40 States Parties have served

on the SAB and/or its work-

ing groups since its first Ses-

sion in 1998. Upholding the

core values of the Conven-

tion, international cooper-

ation and science for peace,

the SAB exemplifies the val-

International scientific col-

laboration to support the im-

plementation of the Chemi-

cal Weapons Convention is

further examplified by the

network of Designated Lab-

Learn more about
Designated Labs

Other documents

oratories.

Find out more

Reports of SAB

ue of science diplomacy.

annually.

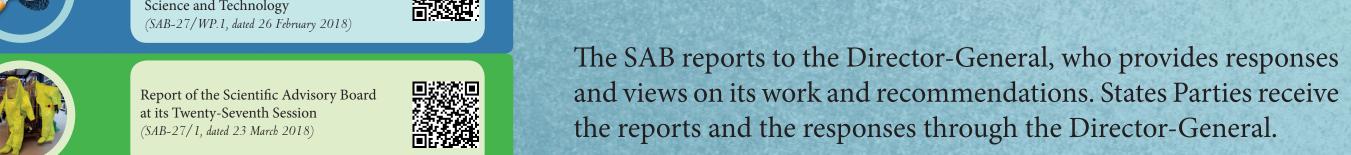
Scientific Diplomacy in Support of the Convention



Nationalities of Members of the SAB and its Working Groups 1998 - 2018



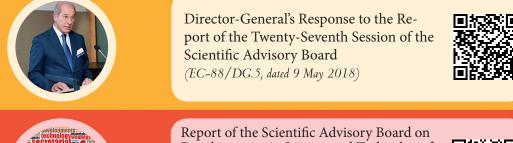
★ OPCW Designated Laboratory network in April 2018



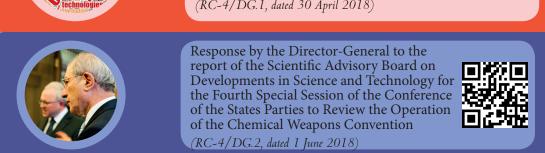
SAB

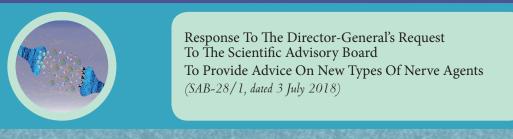
Director-General's Response to the Report of the Twenty-Seventh Session of the

rary Working Group on Investigative





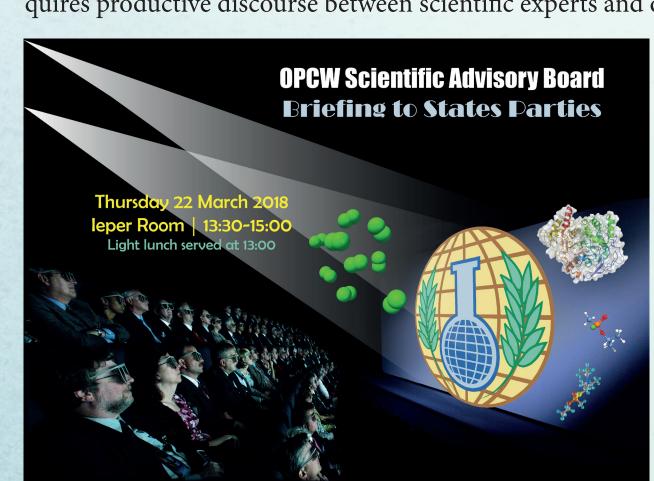




Work of the SAB from January to July 2018

Science Communication and Engagement

OPCW actively promotes scientific literacy for policymaking and treaty implementation. This requires productive discourse between scientific experts and diplomats from OPCW's State Parties.



The SAB regularly briefs States Parties on its work and the OPCW's Science for Diplomats initiative provides a forum for interactive engagement with diplomats involved in the implementation of the Chemical Weapons Convention.

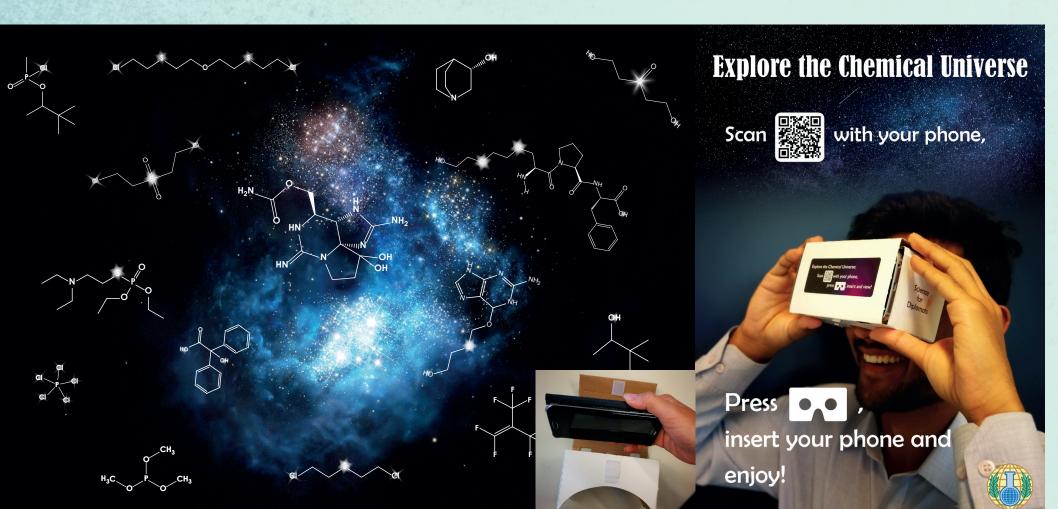


Learn more about the "Science for Diplomats Initiative"

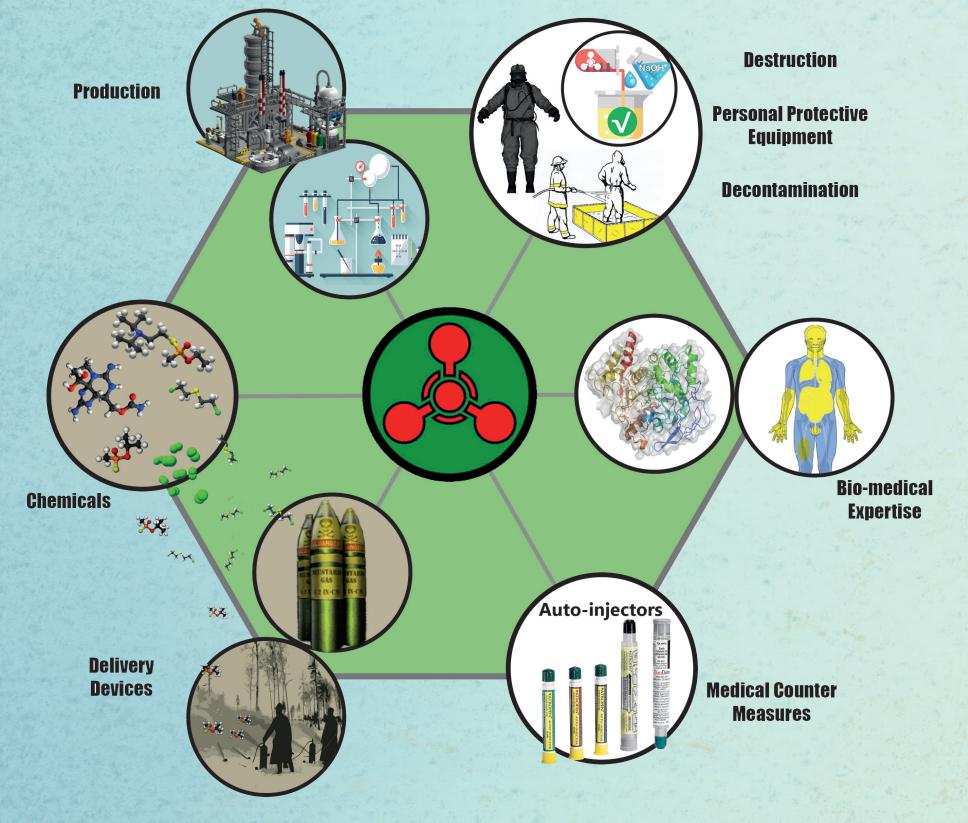
To ensure effectiveness, the work of the SAB must be visible; SAB reports and informative materials must be easily accessible to stakeholders; and the promotion of scientific literacy must be interactive and engaging.

Mobile apps, mobile device retrievable documents and augmented reality provide useful tools with a great degree of flexibility to aid in communication and dissemination of information.





Science of the Chemical Weapons Convention



Find infographics and rescources here



Scientific Review for the Fourth Review Conference of the Chemical Weapons Convention

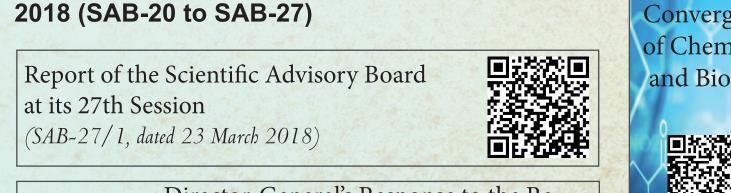
The Scientific Advisory Board serves as an independent body that assesses and reports to the Director-General on developments in scientific and technological fields relevant to the Convention. Recognising where technological change both benefits and challenges the implementation of the Convention is an important and continual aspect of this work (in particular for verification purposes).

To ensure the OPCW keeps pace with scientific and technological change, the SAB submits a substantive report on developments in science and technology which includes recommendations for the operation of the Convention to each 5-yearly Review Conference of the Chemical Weapons Convention. The upcoming Fourth Review Conference (RC-4) is to be held from 21 – 30 November 2018.

The SAB took inputs for its report to RC-4 from previous considerations to the first three Review Conferences, engagement within scientific conferences and meetings, review of scientific and patent literature, and a variety of new sources that included A-D below.

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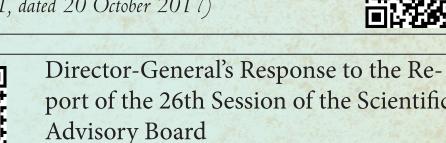
A. The deliberations of the SAB during its eight regular sessions held from June 2013 to March





Director-General's Response to the Report of the 27th Session of the Scientifi Advisory Board (EC-88/DG.5, dated 9 May 2018)

Report of the Scientific Advisory Board at its 26th Session (SAB-26/1, dated 20 October 2017)



(EC-87/DG.11, dated 25 January 2018)

(EC-85/DG.8, dated 19 May 2017)

Report of the Scientific Advisory Board at its 25th Session

(SAB-25/1, dated 31 March 2017) Director-General's Response to the Report of the 25th Session of the Scientific

Advisory Board

Report of the Scientific Advisory Board at its 24th Session (SAB-24/1, dated 28 October 2016)



Director-General's Response to the Report of the 24th Session of the Scientific Advisory Board (EC-84/DG.9, dated 18 January 2017)

Report of the Scientific Advisory Board at its 23rd Session (SAB-23/1, dated 22 April 2016)



Director-General's Response to the Report of the 23rd Session of the Scientific Advisory Board (EC-82/DG.13, dated 7 June 2016)

Report of the Scientific Advisory Board at its 22nd Session (SAB-22/1, dated 21 July 2015)



Director-General's Response to the Report of the 22nd Session of the Scientific Advisory Board (EC-80/DG.7, dated 28 August 2015)

Report of the Scientific Advisory Board at its 21st Session (SAB-21/1, dated 27 June 2014)



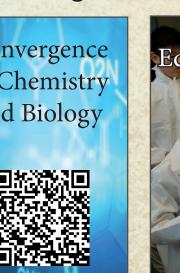
Director-General's Response to the Report of the 21st Session of the Scientific Advisory Board (EC-77/DG.10, dated 5 September 2014)

Report of the Scientific Advisory Board



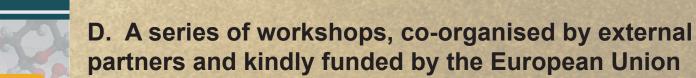
Director-General's Response to the Report of the 20th Session of the Scientific

B. Findings from four Temporary Working Groups





Working Together For a World Free of Chemical Weapons



the Chemical Weapons Convention

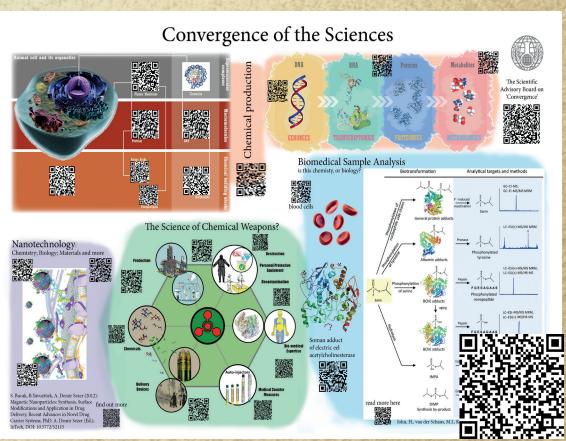


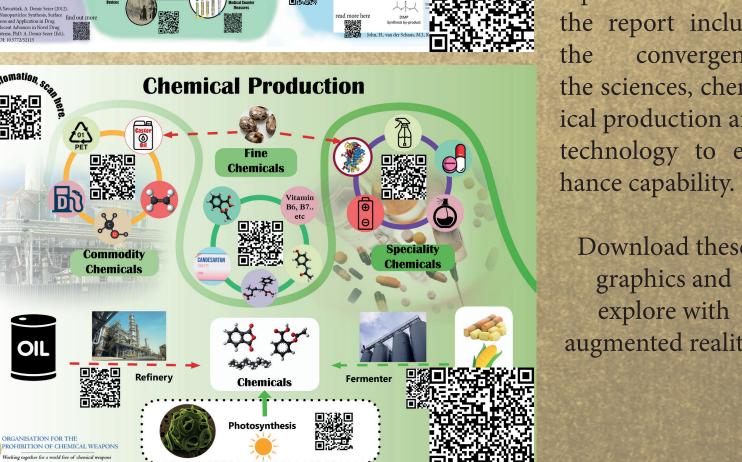
C. Intersessional responses to requests for advice

Medical countermeasures and Isotopically labeled longer term treatment for vicand stereoisomers of tims of chemical agent exposure Scheduled chemicals

from the Director-General (2013 to 2017)









DG response

RC-4/DG.2

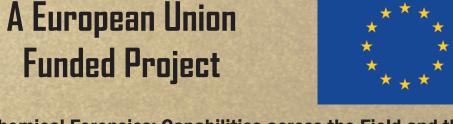
Read the Executive Summary of Recommendations to

RC-4/DG.1

30 April 2018



partners and kindly funded by the European Union



and Medical Countermeasure

Paris, France. 26 - 27 September 2016 SAB-24/WP.2, dated 14 October 2016, SGDSN **Innovative Technologies for Chemical Security** Rio de Janeiro, Brazil. 3 - 5 July 2017

SAB-26/WP.1, dated 21 July 2017,

Zagreb, Croatia. 3 - 5 October 2017 SAB-26/WP.2, dated 19 October 2017, Zagreb IIII

In the RC-4 Review Process, the SAB held 27 meetings and workshops with 747 Attendees (289 individuals of 58 Nationalities) and 453 Speakers

(201 individuals of 58 Nationalities) producing a total of 33 Reports



Download these graphics and explore with augmented reality!







Advisory Board (EC-74/DG.1, dated 24 July 2013)

Organisation for the Prohibition of Chemical Weapons