MEETING OF THE STATES PARTIES TO THE CONVENTION ON THE PROHIBITION OF THE DEVELOPMENT, PRODUCTION AND STOCKPILING OF BACTERIOLOGICAL (BIOLOGICAL) AND TOXIN WEAPONS AND ON THEIR DESTRUCTION

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Report of the Implementation Support Unit (including report on participation in the confidence-building measures)

2009 REPORT OF THE IMPLEMENTATION SUPPORT UNIT

Submitted by the Implementation Support Unit*

Summary

This report describes the activities of the Implementation Support Unit (ISU) in 2009 to implement the mandate given to it by the Sixth Review Conference to support States Parties in the administration and comprehensive implementation of the Convention, the promotion of universalization of the Convention, and the exchange of confidence-building measures (CBMs). The Conference decided that the Unit "will submit a concise annual written report to all States Parties on its activities" (BWC/CONF.VI/6, Part III, paragraph 6).

I. Introduction

- 1. The Implementation Support Unit continued in operation in 2009, in accordance with the decisions and recommendations of the Sixth Review Conference (BWC/CONF.VI/6). The ISU is funded by the States Parties to the Convention, and based in the Geneva Branch of the United Nations Office for Disarmament Affairs, which provides administrative facilities for the Unit. The ISU has three staff: Mr. Richard Lennane, Head of the Unit; Dr. Piers Millett, Political Affairs Officer; and Ms. Ngoc Phuong Huynh, Associate Political Affairs Officer. From August to December 2009 it has also been assisted by an intern, Mr. Eben Lindsey.
- 2. The following activities were undertaken by the ISU since its last report in December 2008 (BWC/MSP/2008/3), in pursuit of its mandate to provide administrative support for the

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^{*/} Submitted after due date and as soon as the required information was received by the Secretariat.

Convention; to facilitate its implementation; to support the Confidence-Building Measures (CBMs); and to assist the Chair and States Parties in their efforts to promote universalization.

II. Administrative support for the Convention

- 3. The ISU formed the substantive Secretariat for BWC meetings in 2009, servicing the Meeting of Experts (24-28 August) and the Meeting of States Parties (7-11 December), and supporting the activities of the Chairman. This included: drafting and issuing communications to States Parties, international organisations and NGOs; drafting speeches and other materials for the Chairman; processing meeting registrations; researching and drafting substantive background documents¹; preparing conference documents and reports; processing working papers; and providing procedural, technical and substantive advice to the Chairman and States Parties.
- 4. Ten States Parties and one state not party to the Convention requested assistance through the ISU for sending experts to participate in the Meeting of Experts. Four States Parties also requested assistance for sending officials to the Meeting of States Parties. Following discussions with the ISU, three States Parties provided bilateral assistance, allowing capital-based experts from ten States Parties to travel to Geneva to participate in the Meeting of Experts. At the time of submission of this report, consultations were under way with four States Parties which requested assistance to send officials from capitals to the Meeting of States Parties.
- 5. The ISU substantially reorganised and expanded its website (http://www.unog.ch/bwc) to increase utility to States Parties and improve ease of use. The website acts as the primary tool for the dissemination of information related to the Convention by, and to, States Parties. The website provides up-to-date information on meetings and related activities, an online registration facility for meetings, official documents, statements, press releases, background materials, information on relevant activities in other organisations, useful links, and membership lists. The website also contains a number of online tools maintained by the ISU, including the *National Implementation Database* (NID) and *Compendiums of National Activities* (CNA see the implementation section below). Additionally, the ISU trialled the streaming of live video of the Meeting of Experts on the internet, and subsequently posted the video of meeting on the website.
- 6. In accordance with the specific request of the Sixth Review Conference, the Unit developed restricted maintained and further the access area of the (http://www.unog.ch/bwc/restricted). The information in this area is accessible, via username and password, only to States Parties. The area provides details of national points of contact, electronic copies of CBM submissions, and information on the results of efforts to promote universalization. During 2009 the ISU added a new section on details for obtaining or providing implementation assistance (see the implementation section below). Forty-five States Parties have used the restricted area so far in 2009. Of these, one has accessed it, on average, more than

¹ See for example: Recent International, Regional and Non-governmental Developments Relevant to Disease Surveillance, Detection, Diagnosis and Containment (BWC/MSP/2009/MX/INF.2), Previous Agreements and Understandings under the Convention Relevant to Capacity Building in the Fields of Disease Surveillance, Detection, Diagnosis and Containment (BWC/MSP/2009/MX/INF.3), Provision of Assistance and Capacity Building in Other International Settings (BWC/MSP/2009/MX/INF.4).

once a day; seven have accessed it more than once a week; 18 have accessed it more than once a month; and a further 19 have accessed it at least once.

- 7. The ISU has also continued to follow relevant scientific and technological developments. In addition to the official background papers submitted to the Meeting of Experts, the Unit continued to update the science and technology section of the ISU website. This section contains information which was gathered in the course of the Unit's research and interactions with the various international, regional and national bodies with expertise in the relevant scientific and technological fields. Details of these issues will be made available in a background paper for the Meeting of States Parties. The Unit has also been working with several scientific communities to develop their capacity to address dual-use issues. The ISU has coordinated the addition of a security element to the International Genetically Engineered Machine (iGEM) competition, and continues to promote the secure development of synthetic biology in cooperation with industry groups, scientific bodies, and governments. The ISU has also been an active participant of the Safety and Security Working Group of the Do-It-Yourself Biology community, to help ensure that individuals wishing to pursue biology outside of the formal regulation of academia and industry conduct their activities safely and securely.
- 8. At the request of the Chairman, the ISU engaged in regular contacts with international organisations relevant to the Convention and the 2009 meetings, including the Food and Agriculture Organization of the United Nations (FAO); the International Centre for Genetic Engineering and Biotechnology (ICGEB); the International Committee of the Red Cross (ICRC); the International Criminal Police Organisation (INTERPOL); the Organisation for Economic Cooperation and Development (OECD); the Organisation for the Prohibition of Chemical Weapons (OPCW); the United Nations Security Council Resolution 1540 Committee; the United Nations Institute for Disarmament Research (UNIDIR); the United Nations Educational, Scientific and Cultural Organisation (UNESCO); the United Nations Environment Programme (UNEP); the World Health Organization (WHO); the World Organisation for Animal Health (OIE); the International Science and Technology Centre (ISTC); the European Commission, and the European Centre for Disease Prevention and Control (ECDC). As of May 2009 the ISU has an official partnership with the United Nations Inter-Regional Crime and Justice Research Institute (UNICRI).
- 9. Also at the request of the Chairman, the ISU had contact with a number of scientific, professional, commercial and academic institutions and associations, as well as non-governmental organisations relevant to the Unit's activities. These contacts have provided insights and information which have assisted the ISU in supporting the efforts of States Parties. Many of the organisations with which the Unit has had contact participated in the Meeting of Experts and the Meeting of States Parties.
- 10. At the request of Norway and Indonesia, the ISU co-hosted with those two States Parties a workshop on *The Biological Weapons Convention Supporting Global Health: Reducing Biological Risk by Building Capacity in Health Security*, in Oslo, Norway, on 18-19 June 2009. At the request of Canada and Kazakhstan, the ISU co-hosted with those two States Parties a *BTWC Regional Awareness Raising Seminar and Capacity-Building Workshop* in Astana, Kazakhstan, on 16-17 September 2009. The ISU jointly organised with the World Health

Organisation a workshop for delegates to the Meeting of Experts on the 2005 revised International Health Regulations, held in Geneva on 21 August 2009. At the request of the Kingdom of Saudi Arabia, the ISU assisted that State Party with organising a *Workshop on the Biological Weapons Convention*, in Riyadh, on 20-21 October 2009. The ISU also organised, as part of the European Union Joint Action in support of the BWC, an *International Workshop on Improving Cooperation under Article X for Disease Surveillance, Detection, Diagnosis and Containment*, held in Brussels, Belgium on 11-12 November 2009.

11. The ISU also accepted invitations to participate in a number of meetings and events throughout the year. These events were relevant to the Convention and the work of the Unit, including its efforts to support the implementation of decisions and recommendations of the Sixth Review Conference. They also provided opportunities to conduct basic awareness-raising and outreach on the existence and provisions of the Convention. Annex I (English only) contains a full list of the events in which the ISU participated during 2009.

III. Implementation of the Convention

- 12. The ISU was contacted by five States Parties with requests concerning national implementation of the Convention. One State Party contacted the ISU requesting general assistance with national implementation of the Convention. The ISU referred the State Party to the European Union Joint Action in support of the BWC. One State Party requested assistance in surveying its existing legislation relevant to the Convention, training law enforcement officers, and assistance in building capacity in dealing with illicit trafficking of biological materials. Another State Party also requested assistance with training law enforcement officers, as well as training in the diagnosis and detection of biological agents. The Unit is in discussions with relevant providers in order to secure assistance for these States Parties. Finally, two States Parties requested model legislation for the implementation of the Convention in their native languages. The ISU is currently facilitating the provision of this model legislation. The ISU remains in contact with these States Parties and will continue to provide assistance and clearing-house activities in accordance with its mandate.
- 13. The ISU maintained and updated the online *National Implementation Database* (NID). The database contains details of national measures that might be relevant to the Convention in as many states for which it has been possible to gather data. Where possible, it also provides a summary of the measures and a link to the full text of the instrument. The NID has been updated as additional information became available. The NID currently includes a total of 2101 measures, from 121 States Parties (representing 74.2 per cent of the membership of the BWC), four signatories, five states not party, and one regional organisation. The NID is available on the ISU website (http://www.unog.ch/bwc/NID).
- 14. At the request of the Chairman, the Unit also developed *Compendiums of National Activities* (CNA) for the topics under consideration in 2009. These compendiums provide a repository for details of activities of States Parties relevant to capacity building in the fields of disease surveillance, detection, diagnosis, and containment of infectious diseases, as provided in working papers, statements, presentations and other communications. The compendiums were developed to provide a regularly-updated central gateway for accessing information provided to

the meetings, and a convenient resource showing how legislative and regulatory measures are put into practice in different settings. As of 1 November 2009, the *Compendium of Biosafety and Biosecurity Activities* covered 19 States Parties, the *Compendium of Oversight of Science, Education and Awareness Raising* covered 14 States Parties, and the *Compendium of Approaches in the Fields of Disease Surveillance, Detection, Diagnosis, and Containment of Infectious Diseases (Including Efforts to Build Capacity)* covered 24 states parties. The ISU will update these compendiums in light of additional information, especially that provided to the Meeting of States Parties.

- 15. As part of its effort to improve the operation of its activities to facilitate communication among States Parties and the exchange of requests for and offers of assistance, the ISU has compiled information on offers to provide assistance and has published this in the restricted area of the website. The ISU maintained and updated this information in light of offers of assistance made at the Meeting of Experts in August 2009. The ISU will continue to update this information as it is made available by States Parties. The ISU will also provide a document at the Meeting of States Parties with information on organisations which provide assistance with disease surveillance, detection, diagnosis and containment.
- 16. The ISU has also continued to interact with providers of assistance for related national legislation and enforcement measures, such as the ICRC, INTERPOL, the OPCW, the Security Council Resolution 1540 Committee, and the Verification Research, Information and Training Centre (VERTIC). The ISU continues to meet and coordinate informally with these providers on the margins of seminars and events in which the ISU participates, as well during the Meeting of Experts and Meeting of States Parties.
- 17. The ISU continued to collect details of national points of contact for the Convention. To date, 68 States Parties have nominated national points of contact as requested by the Sixth Review Conference (an increase of one from 2008 see Annex II, in English only). In addition, the ISU has contact points for four signatory states, four states not party and one regional organization. Full details of all the points of contact are listed in the restricted area of the ISU website (http://www.unog.ch/bwc/restricted). The ISU communicates regularly with the national points of contact.

IV. Confidence-building measures (CBMs)

18. In accordance with the decision of the Sixth Review Conference, the ISU is responsible for compiling and distributing CBMs. The ISU maintains electronic (Adobe PDF format) versions of the CBM forms in all official languages and has made them available on its website. The Unit, with the assistance of interested States Parties, continues to develop the electronic format of the existing CBM forms, and is currently reviewing possibilities for developing an online collaborative tool for completing CBMs over the Internet.

- 19. As of 1 November 2009, 62 states (38 per cent of States Parties) had submitted CBMs to cover the calendar year 2008, the same number as submitted for the previous year. Of these, 36 submitted their CBM on or before the deadline of 15 April 2009. One State Party, Gambia, submitted a CBM for the first time. Nine States Parties which submitted CBMs in 2008 have not yet done so in 2009. Annex III (English only) lists the submissions and includes a breakdown of submission by each of the CBM forms, along with charts and other information.
- 20. One State Party requested that its CBM submission not be published in the restricted area of the website. This submission will be circulated in hard copy during the Meeting of States Parties. The remaining 61 submissions are available in the restricted area of the website. Several States Parties approached the ISU to enquire if, in the interests of transparency, their CBMs could also be made available in the publicly-accessible area of the ISU website. To date, ten CBMs have been placed in the publicly-accessible area of the CBM section of the website (they also remain available in the restricted area).
- 21. During 2009, the Unit provided routine administrative assistance and advice on participating in the CBMs to around 10 States Parties. To help guide States Parties making an initial submission, the ISU prepared a set of completed sample CBM submissions, based on combined submissions from countries of various sizes and regions. These samples are available on request from the ISU. Three states parties formally requested information on CBMs and support in filling out the CBM forms.
- 22. As part of the European Union Joint Action in support of the BWC, and at the request of the Chairman, the ISU and EU national experts have collaborated on a manual to assist States Parties in the completion of the CBM forms. The manual, which will be published in all the official languages of the Convention, will be launched at the Meeting of States Parties.
- 23. In accordance with the decision of the Sixth Review Conference, on 14 January 2009 the Head of the ISU wrote to the permanent missions and the national points of contact of States Parties to remind them of the 15 April 2008 deadline for submitting information under the information exchange procedure.

V. Promotion of universalization

24. The ISU supported the Chairman in his activities to promote universalization, assisting him with his correspondence with states not party to the Convention, and preparing for and participating in meetings between the Chairman and representatives of states not party. The Unit promoted universalization during many of the seminars and events in which it participated (see Annex I, in English only). The ISU also provided information and advice on the Convention to several signatories and states not party. As it became available, the Unit consolidated and published information on progress towards universality in the restricted area of the ISU website.

² One States Parties submitted CBMs after the publication of the 2008 ISU report (BWC/MSP/2008/3), which listed 61 submissions. An updated final summary of CBM submissions in 2008 (covering calendar year 2007) is included in Annex III.

25. Further details on these activities, and the results to date, can be found in the Report of the Chairman on Universalization Activities (BWC/MSP/2009/4).

VI. Conclusions and recommendations

- 26. In its third year of operation, the ISU consolidated and made further progress on key requirements of its mandate. The ISU has made some progress in providing clearing-house services for requests for sponsorship for participation in the intersessional process, with 20 participants receiving sponsorship to attend the Meeting of Experts. Nevertheless, the ISU considers that a more structured approach to sponsorship would deliver significant benefits to the intersessional process and the implementation of the Convention.
- 27. The ISU notes that participation in the Confidence-building Measures has levelled out in the past two years (down to 38 per cent participation this year from a peak of 40.9 per cent in 2007). The Unit hopes that recent requests from States Parties for substantive assistance with CBMs, and the production of the CBM manual by the ISU and the EU Joint Action in Support of the BWC, will lead to an increase in participation in 2010.
- 28. The Unit again significantly expanded its activities on facilitation of communication among States Parties and with relevant organisations, organising, co-hosting and/or participating in a total of 48 seminars, workshops and other events in Europe, Asia, North America, Central America, Africa and the Middle East. This is more than double the number of events that the Unit was able to organise, co-host or attend in 2008. This level of activity was achieved through careful management of the ISU's modest travel budget of \$10,000 and the additional support of States Parties and various organisations. These activities have provided benefits for outreach and promotion of the Convention and the intersessional process, and feedback from States Parties and organisations involved has been overwhelmingly positive. As demand for ISU participation in these activities currently outstrips the capacity of the ISU in its current form, States Parties may wish to begin thinking about a possible expansion of the ISU and its mandate in preparation for the 2011 Review Conference.
- 29. Problems remain with coordination of outreach and universalization activities between States Parties and the ISU. While many states parties have engaged in universalization activities as outlined in the Report of the Chairman on Universalization Activities (BWC/MSP/2009/4), the effectiveness of national outreach is enhanced by coordination with other States Parties and with the ISU. The Unit invites States Parties to share more fully information about their universalization activities in order to assist the Unit in fulfilling its mandate to promote universalization of the convention.
- 30. The ISU has continued to develop its website, associated online tools and printed materials into a significant resource not only for States Parties, but also for outreach, awareness-raising and communication to a global audience. This year the Unit benefited from assistance from Canada in translating much of its background material into Russian, which was particularly effective for the regional awareness-raising seminar in Kazakhstan. The ISU invites interested States Parties to assist with the translation of background materials into other languages.

Annex I

[ENGLISH ONLY]

MEETINGS AND EVENTS ATTENDED BY THE IMPLEMENTATION SUPPORT UNIT

The following meetings and events were attended by representatives of the Implementation Support Unit. Further details on these events, including copies of ISU presentations, are available from the ISU website, http://www.unog.ch/bwc/isu.

- 1. The ISU gave a presentation on the BWC to students from the American College Program, University of Freiburg, Survey of International Organizations program, Geneva, Switzerland, 9 January 2009.
- 2. The ISU gave a presentation on the BWC to the United Kingdom Parliamentary Select Committee for Foreign Affairs, Geneva, Switzerland, 13 January 2009.
- 3. Working on Disarmament & Arms Control in Geneva: An Orientation for Diplomats, Geneva, Switzerland, 26 January 2009. The ISU gave a presentation on the BWC.
- 4. Conference on Non-proliferation and Technical Aspects of Nuclear, Biological, and Chemical Weapons, The Hague, Netherlands, 2 February, 2009. The ISU briefed the Dutch Foreign Ministry on biology, biological weapons, and biological threats,
- 5. Canadian Forces College National Security Programme Field Research Exercise, Geneva, Switzerland, 28 February 3 March 2009. The ISU gave a presentation on the BWC and the work of the ISU.
- 6. Workshop on the Implementation of Security Council Resolution 1540, Doha, Qatar, 8-11 March 2009. The ISU participated in the workshop.
- 7. Seminar on Multilateral Approaches to Non-Proliferation the Chemical Dimension and roundtable meeting on the CBRN trafficking Knowledge Management System (KMS), organised by UNICRI, the OPCW and the European Commission, The Hague, Netherlands, 18-19 March 2009.
- 8. Export Controls for Biological Materials in the Kyrgyz Republic: An International Workshop, Bishkek, Kyrgyzstan, 18-19 March 2009. The ISU gave a presentation on the BWC and its recent activities to raise awareness in the region.
- 9. *BioSysBio 2009: Biology, Systems Biology and Bioinformatics*, Cambridge, United Kingdom, 23-25 March 2009. The ISU gave a presentation on the importance of pursuing scientific endeavours in the life sciences safely and securely.
- 10. Returning Science to its Rightful Place, Royal Society, London, United Kingdom, 25 March 2009. The ISU participated in this meeting and took part in the discussion from the floor.

- 11. *International Symposium on Biosecurity and Biosafety: Future Trends and Solutions*, Milan, Italy, 25-27 March 2009. The ISU gave a presentation on the role of the BWC in promoting the peaceful use of biotechnology.
- 12. Implementation of UNSC Resolution 1540 at the National Level: Promotion of Best Practices and Policy and Technical Coordination and Cooperation, organized by VERTIC and the Netherlands Institute of International Relations ("Clingendael"), The Hague, Netherlands, 26-27 March 2009. The ISU gave a presentation on lessons from the implementation of the BWC.
- 13. *Biosafety and Biosecurity International Conference* 2009, Casablanca, Morocco, 2-3 April, 2009. The ISU accompanied the Chairman, and participated in the conference.
- 14. Workshop on the CWC and BWC and their Contribution to the Non-proliferation of Weapons of Mass Destruction, organised by the OPCW and the government of Croatia, Cavtat, Croatia, 4-5 April 2009. The ISU made a presentation on the contribution of the BWC to non-proliferation of WMD.
- 15. *BioFine* 2009 *Applied Industrial Synthetic Biology in Europe*, Freiburg, Germany, 16-17 April 2009. The ISU gave a presentation on securing synthetic biology.
- 16. World Federation of Public Health Associations (WFPHA): 12th World Congress on Public Health, Istanbul, Turkey, 27 April 1 May 2009. The ISU made a presentation on the BWC and participated in a panel discussion on the relationship between public health and weapons of mass destruction.
- 17. United Nations Workshop on the Implementation of Security Council Resolution 1540, Port-Vila, Vanuatu, 29 April 1 May 2009. The ISU made a presentation on BWC implementation.
- 18. 10th New Issues in Security Course (NISC) at the Geneva Centre for Security Policy (GCSP): 'Global Peace and Security: Challenges and Responses', Geneva, Switzerland, 11 May 2009. The ISU was invited to give a presentation and participate in a panel on chemical and biological weapons issues.
- 19. ASEAN Regional Forum Workshop on Biological Threat Reduction, Manila, Philippines, 10-11 June 2009. The ISU participated in the workshop and made a presentation on international efforts to mitigate biological threats (including the BWC and UNSCR 1540).
- 20. 1st Mentoring Service on Intangible Transfer of Technology (ITT) in the CBRN Area, organised by UNICRI and the Croatian Ministry of Foreign Affairs and European Integration, Dubrovnik, Croatia, 15-16 June 2009. The ISU participated in the meeting and gave a presentation on the transfer of intangible biotechnology.
- 21. The Biological Weapons Convention Supporting Global Health: Reducing Biological Risk by Building Capacity in Health Security, Oslo, Norway, 18-19 June 2009. The ISU helped organise the workshop, and made presentations on evolving perceptions of BWC Article X and on the role of the ISU in supporting capacity-building.

- 22. International Seminar on National Implementation of Non-proliferation Obligations: "OPCW as an Example of Effective Assistance in National Implementation of the Chemical Weapons Convention", Jahorina, Bosnia and Herzegovina, 22-23 June 2009. The ISU gave a presentation on national implementation of the BWC, as well as a presentation on biosafety and biosecurity.
- 23. *Safety and Security in Biotechnology*, an international policy workshop jointly organised by the Geneva Centre for Security Policy (GCSP) and the Managing Global Insecurity Project (MGI), Geneva, Switzerland, 25 June 2009. The ISU gave a presentation on the opportunities and risks of advances in biotechnology.
- 24. STCU (Science and Technology Center in Ukraine) Biosafety & Biosecurity Experts' Workshop, Annecy, France, 25-26 June 2009. The ISU gave a presentation on the BWC and the work of the ISU.
- 25. *Improving Global Capacity for Disease Surveillance*, organised by the US National Academies of Science and the American Association for the Advancement of Science, Washington D.C., United States, 8 July 2009. The ISU gave a presentation on global health security and the BWC.
- 26. Strengthening the Biological Weapons Convention, organised by the New America Foundation, Global Green USA and the Physicians for Social Responsibility, Washington D.C., United States, 8 July 2009. The ISU participated in a panel discussion on strengthening the BWC.
- 27. Opportunities and Challenges in the Emerging Field of Synthetic Biology: organised by the US National Academies of Science, UK Royal Society and the Organisation for Economic Cooperation and Development, Washington D.C., United States, 9-10 July 2009. The ISU participated in the meeting.
- 28. Building Bridges Around Building Genomes, Co-hosted by the United States Department of Justice, Department of State and Department of Health and Human Services, San Francisco, United States of America, 3-5 August 2009. The ISU gave a presentation on securing modern biology.
- 29. *International Health Regulations Awareness Workshop for BTWC Delegations*, Geneva Switzerland, 21 August, 2009. The ISU helped organise the workshop and gave a presentation on the developments, challenges and future directions of the BWC.
- 30. Options and proposals to strengthen the Confidence-Building Measures mechanism of the Biological Weapons Convention, a workshop organised by the Geneva Forum with the governments of Germany, Norway and Switzerland, Jongny, Switzerland, 22-23 August 2009. The ISU participated in the workshop, and Mr. Richard Lennane, head of the ISU, chaired one of the working groups.
- 31. The ISU briefed participants in the UN Disarmament Fellowship Programme on the BWC in Geneva on 31 August 2008.

- 32. *United Nations Workshop on the Implementation of Security Council Resolution 1540*, San José, Costa Rica, 8 10 September 2009. The ISU made a presentation on BWC implementation.
- 33. *Black ICE II: Bioterrorism International Coordination Exercise*, Montreux, Switzerland, 7-8 September 2009. Co-hosted by the governments of Switzerland and the United States. The ISU participated in the table-top exercise.
- 34. BTWC Regional Awareness Raising Seminar and Capacity-Building Workshop, Astana, Kazakhstan, 16-17 September 2009. The ISU helped organise the workshop and gave presentations on the international response to biological threats, including the BWC and UNSCR 1540, as well as national implementation of the BWC, and the BWC intersessional process.
- 35. American Association for the Advancement of Science (AAAS) working lunch on biosecurity, sponsored by the Center for Science, Technology, and Security Policy of the AAAS, Washington, D.C., United States of America, 17-18 September 2009. The ISU made a presentation on the outcomes of the August 2009 Meeting of Experts.
- 36. Preventing & Mitigating the Next Use of CBW, hosted by Wilton Park, Sussex, United Kingdom, 25-27 September 2009. The ISU gave a presentation on the relevance of the BWC to preventing the use of biological weapons.
- 37. A Comprehensive Approach to Combating Illicit Trafficking, organized by the Institute for Foreign Policy Analysis (IFPA) and the Geneva Centre for Security Policy (GCSP), in cooperation with the Swiss Federal Department of Foreign Affairs (FDFA) and NATO, Geneva, Switzerland, 28-29 September 2009. The ISU participated in the meeting.
- 38. UNSC Resolution 1540 in the Gulf Region: Challenges for the Future. Abu Dhabi, United Arab Emirates, 5-6 October 2009. The ISU gave a presentation on the BWC and its relationship to UNSCR 1540.
- 39. Workshop on the Biological Weapons Convention, Riyadh, Kingdom of Saudi Arabia, 20-21 October 2009. The ISU assisted with the organisation of the meeting, and gave presentations on the BWC and UNSCR 1540, the role of the BWC in facilitating regional and international cooperation and the technical aspects of the BWC.
- 40. Sustainable Scientists Engagement Worldwide: Opportunities to Prevent Proliferation by Enhancing Best Practice and Professional Responsibility, organised by the International Working Group Landau Network-Centro Volta, Rome, Italy, 26 October 2009. The ISU gave a presentation on the role of the BWC in assuring the safe spread of biological technology and knowledge.
- 41. *Risk Governance of Synthetic Biology*, International Risk Governance Council, Geneva, Switzerland, 26-27 October 2009. The ISU attended the event and chaired a session on the risks posed by synthetic biology.

- 42. DIY Biology Safety & Security Informal Discussion Meeting, Boston, USA, 30 October 2009. The ISU participated in this event.
- 43. International Genetically Engineered Machine cometition (iGem) 2009 International Jamboree, Boston, USA, 30 October 2 November 2009. The ISU participated in this event and briefed participants on security issues related with synthetic biology.
- 44. *International Association for Synthetic Biology*, Boston, USA, 3 November 2009. The ISU participated in this event.
- 45. International Workshop on Overcoming Challenges in Building Capacity for Disease Surveillance, Detection, Diagnosis and Containment, Brussels, Belgium, 11-12 November 2009. The ISU co-hosted the event and made a series of contributions.
- 46. Workshop on Promoting Education on Dual Use Issues in the Life sciences, organised by the Inter-academy Panel on International Issues, the International Union of Microbiological Societies and the International Union of Biochemistry and Molecular Biology at the Polish National Academies, Warsaw, Poland, 16-17 November 2009.
- 47. Workshop of the Pugwash Study Group on the Implementation of the Chemical and Biological Weapons Conventions, organised by Pugwash Geneva in Geneva, Switzerland, 5-6 December 2009.
- 48. Options and proposals to strengthen the Confidence-Building Measures mechanism of the Biological Weapons Convention, a workshop organised by the Geneva Forum with the governments of Germany, Norway and Switzerland, Geneva, Switzerland, 12 December 2009.

Annex II

[ENGLISH ONLY]

NATIONAL POINTS OF CONTACT

The following national points of contact had been nominated to the ISU by November 2009. Full contact details, including telephone numbers and e-mail addresses, are available to States Parties in the restricted area of the ISU website (http://www.unog.ch/bwc/restricted).

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<u>Albania</u>	<u>Australia</u>	<u>Belgium</u>
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Annex III

[ENGLISH ONLY]

CONFIDENCE-BUILDING MEASURES: PROVISIONAL SUMMARY OF PARTICIPATION IN 2009^3

Key: D = declaration submitted; ND = nothing to declare; NN = nothing new to declare

	CBM Form								
									Additional
State Party	A1	A2	В	C	D	E	F	G	Information
1. Argentina	D	ND	D	D	D	ND	ND	D	-
2. Armenia	NN	NN	NN	NN	NN	NN	NN	NN	-
3. Australia	D	D	D	D	D	D	D	D	-
4. Austria	NN	NN	ND	ND	ND	NN	NN	D	-
5. Azerbaijan	D	-	-	-	-	D	-	D	-
6. Bangladesh	ND	ND	ND	ND	ND	ND	ND	ND	D
7. Belarus	D	NN	D	NN	ND	D	ND	ND	-
8. Belgium	-	D	-	D	D	D	-	D	-
9. Brunei Darussalam	-	-	-	-	-	-	D	-	-
10. Bulgaria	D	D	D	ND	D	D	NN	NN	-
11. Canada	D	D	D	D	D	D	D	D	-
12. China	D	D	D	D	NN	D	NN	D	-
13. Croatia	NN	NN	D	NN	D	D	D	D	-
14. Cuba	D	ND	D	D	D	D	ND	D	-
15. Cyprus	D	D	D	D	D	D	D	D	-
16. Czech Republic	NN	NN	D	D	D	NN	NN	NN	-
17. Denmark	D	D	D	ND	ND	D	NN	NN	-
18. Estonia	ND	ND	D	ND	ND	NN	ND	ND	-
19. Finland	D	D	D	D	D	NN	ND	NN	-
20. France	D	D	D	D	D	NN	NN	NN	-
21. Gambia	ND	ND	ND	ND	ND	ND	ND	ND	-
22. Georgia	D	D	D	D	-	D	D	ND	-
23. Germany	D	D	D	D	D	D	NN	D	-
24. Greece	D	D	D	D	D	D	D	D	-
25. Hungary	D	ND	D	D	ND	D	ND	D	-
26. Indonesia	D	ND	D	NN	D	NN	ND	NN	-
27. Iran (Islamic Republic of)	NN	NN	D	NN	NN	NN	NN	NN	-
28. Iraq	ND	ND	D	ND	ND	D	ND	D	-
29. Ireland	D	D	D	D	D	D	D	D	-
30. Italy	D	D	D	D	D	D	D	D	-

³ As of 1 November 2009. Any subsequent submissions in 2009 will be included in an updated final summary table in the 2010 ISU report.

	CBM Form								
									Additional
State Party	A1	A2	В	C	D	E	F	G	Information
31. Japan	NN	D	D	NN	NN	D	NN	D	-
32. Jordan	ND	ND	ND	ND	ND	ND	ND	ND	
33. Latvia	ND	ND	D	-	-	-	-	-	-
34. Lebanon	ı	-	-	-	-	-	-	-	D
35. Liechtenstein	NN	NN	D	NN	NN	NN	NN	NN	-
36. Lithuania	D	ND	D	ND	ND	NN	ND	NN	-
37. Malta	NN	NN	D	NN	NN	NN	NN	NN	-
38. Mexico	D	D	ND	ND	D	ND	ND	NN	-
39. Morocco	D	D	D	-	-	D	D	D	-
40. Netherlands	D	D	D	D	D	D	D	D	-
41. New Zealand	D	D	D	D	D	D	D	D	D
42. Norway	NN	NN	ND	NN	NN	NN	NN	D	-
43. Poland	D	NN	D	NN	NN	D	ND	ND	-
44. Portugal	D	D	D	ND	ND	NN	NN	D	-
45. Qatar	ND	ND	ND	ND	ND	ND	ND	ND	-
46. Republic of Korea	D	D	D	D	D	D	ND	D	-
47. Republic of Moldova	-	-	-	-	-	-	-	-	D
48. Romania	NN	NN	D	D	D	D	ND	D	-
49. Russian Federation	D	D	ND	D	D	D	NN	D	-
50. Senegal	ND	ND	ND	ND	ND	ND	ND	ND	-
51. Serbia	NN	NN	NN	NN	NN	NN	NN	NN	-
52. Slovakia	NN	ND	D	NN	D	NN	NN	NN	-
53. Slovenia	ND	ND	ND	ND	ND	ND	ND	ND	-
54. South Africa	NN	D	D	NN	NN	NN	NN	NN	-
55. Spain	D	D	D	ND	D	NN	ND	NN	-
56. Sweden	D	D	D	D	-	D	D	D	-
57. Switzerland	NN	D	D	NN	D	NN	NN	NN	-
58. Tunisia	-	-	-	-	-	-	-	-	D
59. Turkey	D	NN	D	NN	D	D	NN	D	-
60. United Kingdom of Great	_								
Britain and Northern Ireland	D	D	D	NN	D	D	NN	D	-
61. United States of America	D	D	D	D	D	NN	NN	D	-
62. Uzbekistan	NN	NN	NN	NN	NN	NN	NN	NN	-

CONFIDENCE-BUILDING MEASURES: FINAL SUMMARY OF PARTICIPATION IN 2008⁴

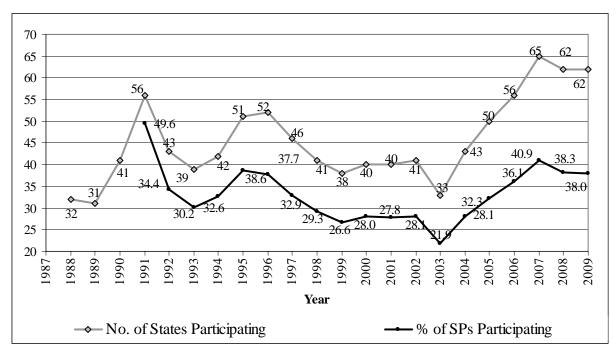
Key: D = declaration submitted; ND = nothing to declare; NN = nothing new to declare

	CBM Form								
									Additional
State Party	A1	A2	В	C	D	E	F	G	Information
1. Argentina	D	ND	D	D	D	ND	ND	D	-
2. Armenia	NN	NN	NN	NN	NN	NN	NN	NN	-
3. Australia	D	D	D	D	D	D	NN	D	-
4. Austria	NN	NN	ND	ND	ND	NN	NN	ND	-
5. Azerbaijan	D	ND	ND	ND	ND	D	ND	ND	-
6. Bahrain	ND	ND	D	-	ND	ND	ND	-	-
7. Belarus	D	NN	D	NN	ND	D	ND	ND	-
8. Belgium	-	D	-	-	D	-	-	-	
9. Bulgaria	D	D	D	NN	ND	D	NN	D	-
10. Canada	D	D	D	D	D	D	D	D	-
11. Chile	NN	ND	D	ND	ND	NN	ND	ND	-
12. China	D	D	D	D	NN	NN	NN	D	-
13. Croatia	NN	NN	D	D	D	D	D	D	-
14. Cuba	D	NN	D	D	D	D	NN	D	-
15. Cyprus	D	D	D	D	D	D	D	D	-
16. Czech Republic	D	D	D	D	D	NN	NN	NN	-
17. Denmark	D	D	D	ND	ND	D	NN	NN	-
18. Ecuador	ND	ND	D	ND	ND	ND	D	D	-
19. Estonia	ND	ND	D	ND	ND	NN	ND	ND	-
20. Finland	D	D	D	D	D	NN	ND	NN	-
21. France	NN	D	D	D	D	NN	NN	NN	-
22. Georgia	NN	D	D	D	D	ND	ND	NN	-
23. Germany	D	D	D	D	ND	D	NN	D	-
24. Greece	D	D	D	D	D	D	D	D	-
25. Hungary	D	ND	D	D	ND	D	ND	D	-
26. Indonesia	D	ND	D	-	D	D	D	D	-
27. Iran (Islamic Republic of)	NN	D	D	NN	NN	NN	D	D	D
28. Iraq	ND	ND	D	ND	ND	D	ND	_	-
29. Ireland	D	D	D	D	D	D	D	D	-
30. Italy	D	D	D	ND	ND	D	NN	D	-
31. Japan	NN	D	D	NN	NN	D	NN	NN	-
32. Kazakhstan	NN	NN	NN	NN	NN	ND	ND	NN	-
33. Latvia	ND	ND	ND	ND	ND	ND	ND	ND	-
34. Lebanon	-	-	-	-	-	-	-	-	D

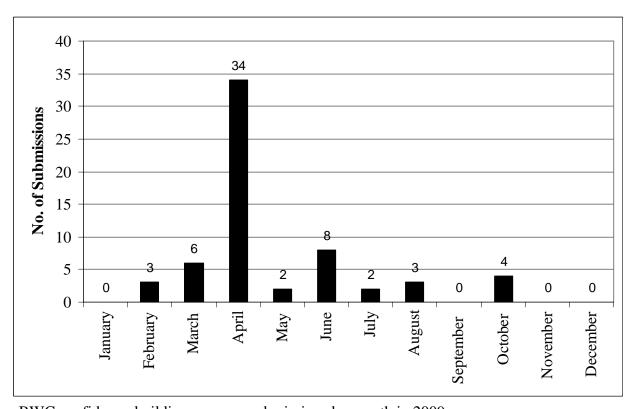
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⁴ Updated from the provisional summary in the 2008 ISU report (BWC/MSP/2007/3, Annex II).

	CBM Form								
									Additional
State Party	A1	A2	В	C	D	E	F	G	Information
35. Libyan Arab Jamahiriya	ND	ND	D	ND	ND	ND	ND	ND	-
36. Liechtenstein	NN	NN	D	NN	NN	NN	NN	NN	-
37. Lithuania	NN	ND	D	ND	ND	NN	ND	NN	-
38. Malta	NN	NN	NN	NN	NN	NN	NN	NN	NN
39. Mexico	D	ND	ND	ND	D	ND	ND	D	-
40. Morocco	D	D	D	-	-	D	D	D	-
41. Netherlands	D	D	D	D	D	D	D	D	-
42. New Zealand	D	D	D	D	D	D	D	D	-
43. Slovakia	NN	ND	D	NN	D	NN	NN	NN	-
44. Slovenia	D	D	D	ND	ND	D	D	ND	-
45. South Africa	NN	D	D	NN	NN	NN	NN	NN	-
46. Spain	D	D	D	ND	D	NN	ND	NN	-
47. Sweden	D	D	D	D	ND	D	D	D	-
48. Switzerland	NN	D	D	NN	D	NN	NN	NN	-
49. Thailand	NN	NN	NN	NN	NN	NN	NN	NN	-
50. Turkey	D	NN	D	NN	D	D	NN	NN	-
51. Ukraine	D	ND	D	D	D	D	ND	D	-
52. United Kingdom of Great									
Britain and Northern Ireland	D	D	D	NN	D	D	NN	D	-
53. United States of America	D	D	D	D	NN	NN	NN	D	-
54. Uzbekistan	NN	NN	NN	NN	NN	NN	NN	NN	-
55. Nigeria	ND	ND	D	ND	ND	ND	ND	D	-
56. Norway	NN	NN	ND	NN	NN	NN	NN	D	-
57. Poland	NN	NN	D	D	NN	NN	ND	ND	-
58. Portugal	D	D	D	ND	ND	NN	NN	NN	-
59. Qatar	ND	ND	ND	ND	ND	ND	ND	ND	-
60. Republic of Korea	D	ND	D	ND	ND	D	ND	D	-
61. Romania	D	D	D	D	D	D	ND	D	-
62. Russian Federation	D	D	ND	D	D	D	NN	NN	-



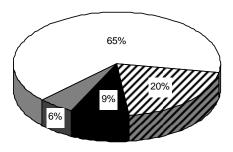
Numbers and percentages of States Parties participating in the BWC confidence-building measures since their introduction in 1987.



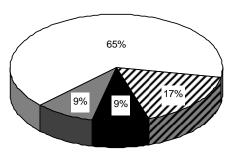
BWC confidence-building measure submissions by month in 2009

The following charts show the rates of participation for 2009 in each of the CBM forms:

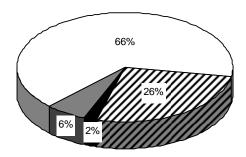
- ☑ Declaration Submitted
- Nothing New to Declare
- Nothing to Declare
- ☐ No Information Provided



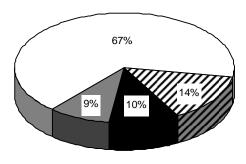
BWC CBM Returns for Form A1 in 2009



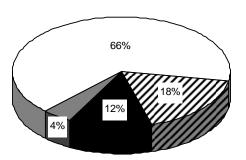
BWC CBM Returns for Form A2 in 2009

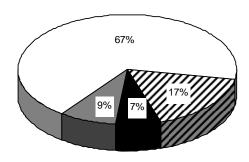


BWC CBM Returns for Form B in 2009

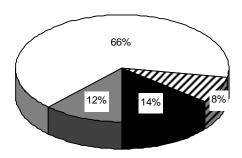


BWC CBM Returns for Form C in 2009



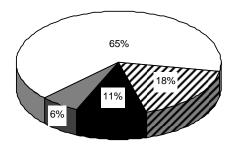


BWC CBM Returns for Form D in 2009



BWC CBM Returns for Form F in 2009

BWC CBM Returns for Form E in 2009



BWC CBM Returns for Form G in 2009