

Education and Outreach: Challenges and Opportunities for the CWC and BWC

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CWC & BWC share common challenges in Education and Outreach

- Above all, both face a significant lack of awareness among relevant stakeholders, including scientific communities
- Potentially affects treaty implementation

Common challenges for education

- Lack of access to effective teaching materials, to materials relevant to diverse audiences, and to materials in languages other than English
- Lack of faculty/trainers prepared to teach about the Conventions and lack of opportunities to receive such training
- Lack of resources and priority for including CWC or BWC as part of education for scientists; competition for space in the curriculum
- Lack of “champions” to help raise priority and support providing resources

But Some Significant Differences

- BWC has longer tradition of general support for education
- Greater progress among BWC stakeholders, especially NGOs, toward addressing education needs
- Specific interest and support from some States Parties
- Only general references to education and outreach in reports of 1st and 2nd CWC Review Conferences
- OPCW—IUPAC project in mid-2000s an exception
- TWG an effort to address the challenges for the CWC

Opportunities for CWC and BWC in new emphasis on Responsible Conduct of Science

- Compatible with disarmament/prohibition at the heart of the Conventions
- Compatible with increasing convergence of S&T across the Conventions
- Provides a framing that encompasses CW and BW
- Topic gaining increased attention internationally (see list of resources)
- Opportunity to work together on key aspects of Education and Outreach

Thank You!

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Resource Materials on Responsible Conduct

- IAP/IAC (2012), *Responsible Conduct in the Global Research Enterprise*. <http://www.interacademycouncil.net/24026/28250.aspx>.
- World Science Forum (2011). *Declaration of the Budapest World Science Forum 2011 on a New Era of Global Science*. http://www.sciforum.hu/cms/upload/docs/programme/WSF_2011_Declaration_a_dopted.pdf.
- ICSU (2011). Amendment to *Statute 5: The Principle of Universality (Freedom and Responsibility) of Science*. <http://www.icsu.org/about-icsu/structure/committees/freedom-responsibility/?icsudocid=statute-5>.
- 2nd World Conference on Research Integrity (2010). *Singapore Statement*. <http://www.singaporestatement.org/>.
- World Economic Forum (2008). *Annual Meeting of New Champions of the World Economic Forum: Tianjin Statement by the IAP Young Scientists*. 2008. <http://www.interacademies.net/Activities/Projects/IAPYoungScientistsProgramme/13840.aspx>
- ICSU Committee on Freedom and Responsibility in the Conduct of Science (2008). *Freedom, Responsibility and Universality of Science*. <http://www.icsu.org/publications/cfrs/freedom-responsibility-booklet/ICSU-CFRS-booklet.pdf>. (formerly the ICSU Committee on Freedom in the Conduct of Science).
- UNESCO (United Nations Educational, Scientific and Cultural Organization). 1999. *Declaration on Science and the Use of Scientific Knowledge*. World Conference on Science, Budapest, Hungary, June 26–July 1. http://www.unesco.org/science/wcs/eng/declaration_e.htm.