

Convergence of nanotechnology, biotechnology and other technologies at OECD

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Abstract

The OECD's Working Party on Biotechnology, Nanotechnology, and Converging Technologies (BNCT) was established in 2015, as subsidiary body of the Committee for Scientific and Technological Policy (CSTP), to advise on emerging policy issues related to the responsible development and use of biotechnology, nanotechnology and related cross-cutting technologies. The sectors covered by the BNCT are those most likely to influence or be affected by developments in these technologies, including health, manufacturing, environmental sustainability, food, and agriculture. This presentation will review highlights of BNCT activities over these past four years and insight into future activities for the 2019-20 Program of Work and Budget, including projects on collaborative platforms for converging technologies; responsible innovation in neurotechnology; and work on the bioeconomy.

Bionote

Mr. Cannizzaro is a physical science / foreign affairs officer in the State Department's Office of Space and Advanced Technology. In this capacity, he develops policy and technical analysis on a wide range of issues pertaining to space, science and emerging/enabling technologies. He represents the Department on several National Science and Technology Council Subcommittees and Task Forces, and he regularly speaks on behalf of the United States in a variety of international venues including our bilateral space policy dialogues and as a Vice-Chair to the OECD's Committee for Scientific and Technological Policy.

Mr. Cannizzaro joined the Department of State in 2008 as a AAAS Science and Technology Policy Fellow. Prior to that, he was a research Assistant Professor in the Department of Biomedical Engineering at Tufts University and a Research Affiliate in the

Harvard-MIT Division of Health Sciences and Technology. Chris received a B.S. from the University of Massachusetts, Amherst and a Ph.D. from the Swiss Federal Institute of Technology Lausanne, both in Chemical Engineering. In addition, he was a Fulbright Scholar at the University of Milan, a Visiting Scholar at the Hawaii Natural Energy Institute, and a Postdoctoral Associate at the Massachusetts Institute of Technology.