Global assessment of the state-of-the-science of endocrine disruptors

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Global concerns have been raised in recent years over the potential adverse effects that may result from exposure to chemicals that have the potential to interfere with the endocrine system in wildlife and humans. This report provides a global assessment of the current state of scientific knowledge relative to environmental endocrine disruption. Topics include: endocrinology and endocrine toxicology, wildlife, human health, exposure of selected potential endocrine disruptors in humans and wildlife, causal criteria for assessing endocrine disruptors, and research needs.

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The purpose of the IOMC is to promote co-ordination of the policies and activities pursued by the Participating Organisations, jointly or separately, to achieve the sound management of chemicals in relation to human health and the environment. WHO Library Cataloguing-in-Publication Data: State of the science of endocrine disrupting chemicals 2012 / edited by Åke Bergman, Jerrold J. Heindel, Susan Jobling, Karen A. However, there is sufficient evidence to conclude that adverse The State of the Science of Endocrine Disrupting endocrine-mediated effects have occurred in chemicals—2012 report some wildlife species. Endocrine Cross Talk and Endocrine Disruptors, Modes of Action and Phenotypic Outcomes of EDC-Related Developmental and Reproductive Toxicities. EDC Modes of Action for Carcinogenesis - The Effect of Atrazine. EDC-Related Modes of Action in Neurotoxicity. EDC-Related Modes of Action in Immunotoxicity. Basis for Attribution of Effects to Endocrine Disruption. Elements of the Proposed Framework. Overall Strength of Evidence. Illustrative Examples - Status and Trends Observations.