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Item 6b of the provisional agenda*

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Endocrine Disrupting Chemicals – workplan for 2016-2020

Note by the secretariat

The secretariat has the honour to circulate in the annex to the present note information on planned activities being undertaken by SAICM Stakeholders to address endocrine-disrupting chemicals. The report is presented as received by the secretariat, without formal editing.

*SAICM/ICCM.5/Bureau.2/1

ANNEX I

Endocrine-disrupting chemicals – workplan for 2017-2020

I. Background and Introduction

In Resolution IV/2: Emerging policy issues, Part I Introduction, the International Conference on Chemicals Management reaffirmed its resolutions II/4 and III/2 on emerging policy issues and acknowledged with appreciation the cooperative actions undertaken by Strategic Approach stakeholders on these issues. Furthermore, the Conference encouraged further implementation of cooperative actions by all Strategic Approach stakeholders and also encouraged continued and enhanced risk reduction and information sharing efforts on emerging policy issues. The Conference stressed the need to foster coherent implementation of emerging policy issues;

In Resolution IV/2: Emerging policy issues, Part I E Endocrine-disrupting chemicals, the International Conference on Chemicals Management recognized the adverse effects on human health and the environment of endocrine-disrupting chemicals and also recognized the need to protect humans and ecosystems and their constituents parts that are especially vulnerable, as set forth in, inter alia, paragraph 14 (b) of the Overarching Policy Strategy.

Furthermore, the Conference invited the United Nations Environment and the World Health Organization to address the needs identified by developing countries and countries with economies in transition, subject to available resources, by generating and disseminating information on endocrine-disrupting chemicals, as part of the workplan set out in the progress report on endocrine disrupting chemicals prepared by the United Nations Environment Programme, the World Health Organization and the Organization for Economic Cooperation and Development¹.

The participating organizations of the Inter-Organization Programme for the Sound Management of Chemicals, were invited to further develop and implement the plan of work for the cooperative actions set out in the progress report referred to in paragraph above² in an open, inclusive and transparent manner, and requests all interested stakeholders to support those efforts.

II. Planned activities for 2017 – 2020

In response to the invitation and request set out in resolution IV/2, the United Nations Environment, the World Health Organization and the Organization for Economic Cooperation and Development took the lead in further developing the plan, considering that the Conference encouraged further implementation of cooperative actions by all Strategic Approach stakeholders.

In further developing the workplan, the United Nations Environment, the World Health Organization and the Organization for Economic Cooperation and Development jointly requested for information on research, awareness raising, relevant legislation/regulation, capacity building/ training and other related activities on endocrine disrupting chemicals from SAICM stakeholders. The Strategic Approach stakeholders were invited to share the activities they were undertaking to address this emerging policy issue by completing a form. Information was received from several SAICM stakeholders including government, industry and non-governmental organizations and it has been collected, compiled and presented in Annex II to this document. The EDCs workplan was prepared based on information provided and it is not a global comprehensive compilation of activities being undertaken by SAICM stakeholders.

The following table provides an update of the workplan presented to ICCM⁴ and it includes a number of activities planned. It is important to note that the workplan should be seen as a living document and additional activities may well be undertaken in the medium, short, long term to 2020.

¹ SAICM/ICCM.4/INF/20, annex, sect. III.

² *Ibid.*

³ *Ibid.*

ACTIVITY AREAS

Provide up-to-date information and scientific expert advice to relevant stakeholders for the purpose of identifying or recommending potential measures that could contribute to reductions in exposures to or the effects of endocrine-disrupting chemicals, in particular among vulnerable populations, through, inter alia, timely updates to the 2012 report on the state of the science of endocrine-disrupting chemicals, published jointly by the United Nations Environment and the World Health Organization, with particular attention to the needs of developing countries and countries with economies in transition

PLANNED ACTIONS

WHO: WHO has embarked upon a new project on early life-stage avoidable environmental exposures, which includes EDCs, among others, and is a contribution to global work on Developmental Origins of Health and Disease. Following an expert meeting in June 2016, a range of activities are being implemented including publications in the scientific literature, training and information aimed at the health sector including medical professionals.

OECD: Pursue development of Test Guidelines, in particular in areas not well covered for an efficient screening, e.g. *in vitro* methods for thyroid disruption; consolidation of existing Test Guidelines applying the Adverse Outcome Pathway concept to improve mechanistic understanding of responses and adverse effects measured; development of Test Guidelines covering biotransformation assays (i.e. prediction of metabolism) to place *in vitro* results in context.

UN Environment: Compile and disseminate overview reports that focus on existing scientific knowledge of environmental exposure and impact, legislation, measures and gaps regarding known and selected potential EDCs (especially information from developing and transition countries) by 2017. The overview reports will have a period of commenting and will be made available at the UN Environment website. Available risk management options in reducing exposure such as safer substitution and non-chemical alternatives will be included in the reports.

UN Environment will generate and disseminate situation and gap analysis reports on the state-of-the-art methodologies and tools that are ‘fit for purpose’ for assessing the environmental hazards and risks as well as the environmental exposure of EDCs by end of 2017. Two expert workshops are planned for 2017-2018.

UN Environment /OECD/WHO: A SAICM project to improve baseline knowledge of impacts and policy

Raise awareness and facilitate science-based information exchange, dissemination and networking on endocrine-disrupting chemicals through, inter alia, activities at all levels and the use of the Strategic Approach clearing house

Provide international support for activities to build capacities in countries, in particular developing countries and countries with economies in transition, for generating information and for assessing issues related to endocrine-disrupting chemicals in order to support decision-making, including the prioritization of actions to reduce risks

Facilitate mutual support in research, the development of case studies and advice on translation of research results into control actions

for EDCs in developing countries will be implemented. Data on EDCs will be compiled, including global technical and scientific work, and country case studies. This activity is subject to funding approval.

UN Environment: Support the design of generic awareness raising materials and the rolling out of region-specific awareness raising campaigns by the end of 2017.

WHO: Continue to provide the WHO Chemical Risk Assessment Network as a forum for scientific networking on the human health aspects of EDCs. Public health awareness-raising materials developed under the above-mentioned project on early life-stage exposures.

OECD: publish case studies on Integrated Risk Assessment to learn on cross-species extrapolation of data in ENV Series on Testing and Assessment.

UN Environment/OECD/WHO: facilitate exchange among SAICM stakeholders on current and planned EDC activities through periodic on-line consultations and other means⁴;

UN Environment/ WHO/ OECD: In the period until 2020, facilitate meetings, within the organizations' respective workplans, to address specific issues on EDCs.

UN Environment: Support selected developing and transition countries to draft project proposals on appropriate case studies (environmental assessment and management of EDCs) in collaboration with the Chemicals in Products project (such as pesticides and substances in textiles, children's products, building products, electrical and electronic products) by end of 2017.

WHO: Through actions outlined under 6 a, b and c, make recommendations relevant to human health research.

⁴ See Annex II.

ANNEX II

Compilation of Stakeholders' Current and Planned Activities on Endocrine Disrupting Chemicals⁵

| Country/Region/ Organization | Available and planned risk reduction and information sharing tools * | Available and planned best practice information * | Type of Activity/ Initiative (Research, awareness raising / legislation/ regulatory measures / capacity building, other) | Contact Person (Name, Organization, Contact details) | web-link |
|---------------------------------|--|---|--|--|---|
| Barbados | | | Research/capacity building (development of analysis of EDCs in environmental samples) | Research/capacity building (development of analysis of EDCs in environmental samples) | |
| Belarus | | | Drafted in the sectoral scientific and technical program of the Ministry of Health of the Republic of Belarus "Environment and health preservation", aimed at restricting the use of phthalates in medical devices, food packaging, children's toys. Planned implementation period 2017-2020 years. Development of booklets "Endocrine disruptors and children's health" (distributed in antenatal health care), interviews and articles in the media | Ms. Halina Lisouskaya Senior Researcher of laboratory of preventive and environmental toxicology, SAICM National Focal Point Tel: (+375) 17 284 1382 Mobile: (+375) 297 626 079 Fax: (+375) 17 284 0345 E-mail: ptiza- | http://ng.sb.by/stati/article/khimicheskij-kokteyl.html |

⁵ Inputs received presented in alphabetical order

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| | | | | <p>igl@mail.ru Ms.Iryna Ilyukova Head of laboratory of preventive and environmental toxicology Tel: (+375) 17 292 60 27 E-mail: toxlab@mail.ru Fax: (+375) 17 284 03 45 Republican unitary enterprise «Scientific practical centre of hygiene» of the Ministry of Health Street address: Akademicheskaya St., 8, 220012, Minsk, Republic of Belarus</p> | |
| Canada | <p>Petition 340 on Federal Research on hormone disrupting substances as required under the Canadian Environmental Protection Act 1999.</p> | <p>Information is provided about federal research activities on the effects of hormone disrupting substances including how Environment Canada and Health Canada use the research results for risk assessment and</p> | Research | <p>Suzanne Leppinen, Director, Safe Environments Directorate, Healthy Environments and Consumer Products Safety Branch suzanne.leppinen@h c-sc.gc.ca or suzanne.leppinen@c anada.ca</p> | <p>http://www.oag- bvg.gc.ca/inter net/English/pet _340_e_37607. html</p> |

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| | management; data collected on substances that are considered new under the Canadian Environmental Protection Act, 1999; budget allocated to research and the involvement of Canada in international research initiatives. | | | |
| Further development of an in vitro model of adipocyte development to screen for obesogens | Health Effects research; Results will be published: Not suitable for Clearinghouse | Research | Dr. Ella Atlas, Environmental Health Science and Research Bureau, Health Canada Ella.Atlas@canada.ca | |
| Novel in vitro models for the study of endocrine disruptor effects on breast cancer initiation and progression | Health Effects research; Results will be published: Not suitable for Clearinghouse | Research | Dr. Ella Atlas, Environmental Health Science and Research Bureau, Health Canada Ella.Atlas@canada.ca | |
| Validation of methods for detecting thyroid disrupting chemicals | Validation of chemical screening method; | Research | Dr. Hongyan Dong (hongyan.dong@canada.ca) Dr. Mike Wade (mike.wade@canada.ca), Environmental Health Science and Research Bureau, | |

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| | | | Health Canada | |
| Toxicity of flame retardants in house dust and of replacement plasticizers | Health Effects research; Results will be published: Not suitable for Clearinghouse | Research | Dr. Mike Wade, Environmental Health Science and Research Bureau, Health Canada Mike.Wade@canada.ca | |
| Plastics and Personal-care Product use in Pregnancy (P4) Study | Biomonitoring and consumer product use information; Results will be published: Not suitable for Clearinghouse | Research | Dr. Tye Arbuckle, Environmental Health Science and Research Bureau, Health Canada Tye.Arbuckle@canada.ca | |
| Maternal-Infant Research on Environmental Chemicals (MIREC) Platform | Biomonitoring and health effects; Results will be published: Not suitable for Clearinghouse | Research | Dr. Tye Arbuckle, Environmental Health Science and Research Bureau, Health Canada Tye.Arbuckle@canada.ca | |
| Changes in deoxyribonucleic acid (DNA) methylation as a predictive mode of action for effects of low dose exposure to mixtures and endocrine disrupters | Mechanistic Toxicity and biomarker identification; Results will be published: Not suitable for Clearinghouse | Research | Dr. Daniel Desaulniers; Environmental Health Science and Research Bureau, Health Canada: Daniel.Desaulniers@canada.ca | |
| Canadian House Dust Study: National survey of home dust content of metals and | Biomonitoring: This study has yielded nationally | Research | Dr. Pat Rasmussen (Pat.Rasmussen@canada.ca) and Dr. | |

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| <p>small molecule contaminants</p> | <p>representative concentrations of a wide variety of compounds including many known or suspected endocrine disruptors. These results give a picture of typical urban exposures to endocrine disruptors in Canada. Results will be published: Not suitable for Clearinghouse</p> | | <p>Cariton.Kubwabo (Cariton.kubwabo@canada.ca), Environmental Health Science and Research Bureau, Health Canada</p> | |
| <p>Evaluation of estrogenic and thyroid-disrupting activities of targeted CMP3 priority substances: Benzotriazole, Thiocarbamate, Hindered phenols and a brominated organophosphate flame retardants; to tadepoles in water and or sediments. Research project from 2016 to 2019.</p> | <p>Once results are published, this could be added to the SAICM Clearinghouse</p> | <p>Research</p> | <p>Stacey Robinson, Environment and Climate Change Canada, stacey.robinson@canada.ca (613) 990-9749</p> | |
| <p>Using a multi-tiered screening approach and the avian adverse outcome pathway (AOP) framework to determine the effects of new and existing priority CMP3 substances, primarily</p> | <p>Once results are published, this could be added to the SAICM Clearinghouse</p> | <p>Research</p> | <p>Doug Crump, Environment and Climate Change Canada, doug.crump@canada.ca (613) 998-7383</p> | |

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| organic flame retardants, on key neuroendocrine pathways. Research project from 2016 to 2019. | | | | |
| Environmental Transformation Processes and Bioaccumulation, Fate and Effects of CMP3 Priority Organic Flame Retardants in Avian Wildlife and Fish Within An Adverse Outcome Pathway (AOP) Framework. Research project from 2016 to 2019. | Once results are published, this could be added to the SAICM Clearinghouse | Research | Robert Letcher, Environment and Climate Change Canada, robert.letcher@canada.ca (613) 998-6696 | |
| Exposure, Uptake and Adverse Effects on Birds exposed to New and Existing CMP3-Priority Organic Flame Retardants: identifying in vivo changes within an Avian Adverse Outcome Pathway. Research project from 2016 to 2019. | Once results are published, this could be added to the SAICM Clearinghouse | Research | Kim Fernie, Environment and Climate Change Canada, kim.fern@canada.ca (905) 336-4843 | |
| Atmospheric Fate Studies on CMP Priority Chemicals (Flame Retardants). Research project from 2016 to 2019. | Once results are published, this could be added to the SAICM Clearinghouse | Research | Tom Harner, Environment and Climate Change Canada, tom.harner@canada.ca (416) 739-4837 | |
| Source, Environmental Fate and Toxicity of Synthetic Musks in Canada. Research project from 2016 to 2019. | Once results are published, this could be added to the SAICM Clearinghouse | Research | Hayley Hung, Environment and Climate Change Canada, | |

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| | | | hayley.hung@canada.ca (416) 739-5944 | |
| Chronic toxicity of thiocarbamate and benzothiazole compounds to survival, growth, and reproduction of freshwater invertebrates. Research project from 2016 to 2019. | Once results are published, this could be added to the SAICM Clearinghouse | Research | Adrienne Bartlette, Environment and Climate Change Canada, adrienne.bartlette@canada.ca (905) 336-6257 | |
| Environmental Fate and Disposition of CMP III Priority Polar Organic Substances (benzotriazoles (BZTs), hindered phenols (HPs), and organophosphate flame retardants (OPEs)). Research project from 2016 to 2019. | Once results are published, this could be added to the SAICM Clearinghouse | Research | Amila De Silva, Environment and Climate Change Canada, amila.desilva@canada.ca 905-336-4407 | |
| Chronic toxicity and modes of action of benzotriazoles/benzothiazoles and flame retardants in aquatic organisms. Research project from 2016 to 2019. | Once results are published, this could be added to the SAICM Clearinghouse | Research | Magali Houde, Environment and Climate Change Canada, magali.houde@canada.ca 514-496-6774 | |
| National environmental monitoring and surveillance of ambient air for select priority substances which some are also EDCs | Once results are published, this could be added to the SAICM Clearinghouse | Research | Jean-Pierre Charland, Environment and Climate Change Canada, jean-pierre.charland@canada.ca (613) 990-8560 | |
| National environmental monitoring and surveillance | Once results are published, this could | Research | Christine Garron, Environment and | |

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| of surface water for select priority substances which some are also potential EDCs | be added to the SAICM Clearinghouse | | Climate Change Canada, christine.garron@canada.ca (902) 426-6317 | |
| National environmental monitoring and surveillance of sediments for select priority substances which some are also potential EDCs | Once results are published, this could be added to the SAICM Clearinghouse | Research | Magella Pelletier, Environment and Climate Change Canada, magella.peletier@canada.ca (514) 283-6227 | |
| National environmental monitoring and surveillance of aquatic biota for select priority substances which some are also potential EDCs | Once results are published, this could be added to the SAICM Clearinghouse | Research | Daryl McGoldrick, Environment and Climate Change Canada, daryl.mcgoldrick@canada.ca 905 336-4685 | |
| National environmental monitoring and surveillance of bird eggs for select priority substances which some are also potential EDCs | Once results are published, this could be added to the SAICM Clearinghouse | Research | Pamela Martin, Environment and Climate Change Canada, pamela.martin2@canada.ca 905 336-4879 | |
| National monitoring and surveillance of municipal wastewater treatment influent, effluent and biosolids, for select priority substances which some are also potential EDCs | Once results are published, this could be added to the SAICM Clearinghouse | Research | Shirley Anne Smyth, Environment and Climate Change Canada, shirleyanne.smyth@canada.ca (905) 336-4509 | |

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| Environmental monitoring and surveillance for select priority substances (ecosystem monitoring) which some are also potential EDCs in the Great Lakes basin | Once results are published, this could be added to the SAICM Clearinghouse | Research | Sean Backus, Environment and Climate Change Canada, sean.backus@canada.ca 905 336-4646 | |
| Temporal Trends of Contaminants (including some are potential EDCs) in Arctic Seabirds Eggs (Project from 2011-2017 under the Northern Contaminants Program) http://www.science.gc.ca/default.asp?lang=En&n=ED7D11AF-1&offset=1&toc=show | Once results are published, this could be added to the SAICM Clearinghouse | Research | Birgit Braune, Environment and Climate Change Canada, birgit.braune@canada.ca 613-998-6694 | |
| Metabolomics consequences of elevated PCB exposure in ringed seals (<i>Pusa hispida</i>) in Labrador: an expanded toxicological repertoire to characterize health impacts (Project from 2016-2017 under the Northern Contaminants Program) http://www.science.gc.ca/default.asp?lang=En&n=ED7D11AF-1&offset=31&toc=show | would need to consult Jason Stow as well as the actual principal investigator in academia to determine if this should be included in the SAICM Clearinghouse | Research | Jason Stow, Indigenous and Northern Affairs Canada, Jason.Stow@aadnc-aandc.gc.ca, 204-421-6476 | |
| Spatial and Long-term Trends in Persistent Organic Contaminants (including | Once results are published, this could be added to the | Research | Marlene S. Evans, Environment and Climate Change | |

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| <p>some potential EDCs) and Metals in Lake Trout and Burbot from the Northwest Territories (Project from 2011-2017 under the Northern Contaminants Program) http://www.science.gc.ca/default.asp?lang=En&n=ED7D11AF-1&offset=11&toc=show</p> | <p>SAICM Clearinghouse</p> | | <p>Canada, marlene.evans@canada.ca 306-975-5310</p> | |
| <p>Northern Contaminants Air Monitoring: Organic Pollutant Measurement (including some potential EDCs) (Project from 2011-2017 under the Northern Contaminants Program) http://www.science.gc.ca/default.asp?lang=En&n=ED7D11AF-1&offset=8&toc=show</p> | <p>Once results are published, this could be added to the SAICM Clearinghouse</p> | <p>Research</p> | <p>Hayley Hung, Environment and Climate Change Canada, hayley.hung@canada.ca (416) 739-5944</p> | |
| <p>Passive Air Sampling Network for Organic Pollutants (including some potential EDCs) and Mercury (Project from 2013-2017 under the Northern Contaminants Program) http://www.science.gc.ca/default.asp?lang=En&n=ED7D11AF-1&offset=17&toc=show</p> | <p>Once results are published, this could be added to the SAICM Clearinghouse</p> | <p>Research</p> | <p>Hayley Hung, Environment and Climate Change Canada, hayley.hung@canada.ca (416) 739-5944</p> | |
| <p>Arctic Caribou Contaminant</p> | <p>would need to</p> | <p>Research</p> | <p>Jason Stow,</p> | |

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| <p>(including some potential EDCs) Monitoring Program (Project from 2011-2017 under the Northern Contaminants Program) http://www.science.gc.ca/default.asp?lang=En&n=ED7D11AF-1&offset=4&toc=show</p> | <p>consult Jason Stow as well as the actual principal investigator in academia to determine if this should be included in the SAICM Clearinghouse</p> | | <p>Indigenous and Northern Affairs Canada, Jason.Stow@aadnc-aandc.gc.ca, 204-421-6476</p> | |
| <p>Assessing Persistent Organic Pollutants (including some potential EDCs) in Canadian Arctic Air and Water as an Entry Point into the Arctic Food Chain (Project from 2016-2017 under the Northern Contaminants Program) http://www.science.gc.ca/default.asp?lang=En&n=ED7D11AF-1&offset=34&toc=show</p> | <p>Once results are published, this could be added to the SAICM Clearinghouse</p> | <p>Research</p> | <p>Liisa Jantunen, Environment and Climate Change Canada, liisa.jantunen@canada.ca 705-458-3318</p> | |
| <p>Temporal and Spatial Trends of Legacy and Emerging Organic (including some potential EDCs) and Metal/Element Contaminants in Canadian Polar Bears (project from 2012-2017 under the Northern Contaminants Program) http://www.science.gc.ca/default.asp?lang=En&n=ED7D11AF-1&offset=34&toc=show</p> | <p>Once results are published, this could be added to the SAICM Clearinghouse</p> | <p>Research</p> | <p>Robert Letcher, Environment and Climate Change Canada, robert.letcher@canada.ca (613) 998-6696</p> | |

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| 11AF-1&offset=10&toc=show | | | | |
| Community Based Seawater Monitoring for Organic Contaminants (including some potential EDCs) and Mercury in the Canadian Arctic (project under the Northern Contaminants Program) http://www.science.gc.ca/default.asp?lang=En&n=ED7D11AF-1&offset=25&toc=show | Once results are published, this could be added to the SAICM Clearinghouse | Research | Derek Muir, Environment and Climate Change Canada, derek.muir@canada.ca ca 905-319-6921 | |
| Temporal Trends of Persistent Organic Pollutants (including some potential EDCs) and Metals in Ringed Seals from the Canadian Arctic (project from 2012-2017 under the Northern Contaminants Program) http://www.science.gc.ca/default.asp?lang=En&n=ED7D11AF-1&offset=13&toc=show | Once results are published, this could be added to the SAICM Clearinghouse | Research | Derek Muir, Environment and Climate Change Canada, derek.muir@canada.ca ca 905-319-6921 | |
| Temporal trends of persistent organic pollutants (including some potential EDCs) and mercury in landlocked char in high Arctic lakes (project from 2011-2017 under the | Once results are published, this could be added to the SAICM Clearinghouse | Research | Derek Muir, Environment and Climate Change Canada, derek.muir@canada.ca ca 905-319-6921 | |

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| Northern Contaminants Program) http://www.science.gc.ca/default.asp?lang=En&n=ED7D11AF-1&offset=15&toc=show | | | | |
| Long Term Trends of Halogenated Organic Contaminants and Metals in Lake Trout from Two Yukon Lakes; Kusawa and Laberge (project from 2011-2017 under the Northern Contaminants Program) http://www.science.gc.ca/default.asp?lang=En&n=ED7D11AF-1&offset=12&toc=show | | Research | Jason Stow, Indigenous and Northern Affairs Canada, Jason.Stow@aadnc-aandc.gc.ca, 204-421-6476 | |
| Temporal trends of mercury and halogenated organic compounds in Hendrickson Island and Sanikiluaq beluga (project under the Northern Contaminants Program) http://www.science.gc.ca/default.asp?lang=En&n=ED7D11AF-1&offset=22&toc=show | | Research | Jason Stow, Indigenous and Northern Affairs Canada, Jason.Stow@aadnc-aandc.gc.ca, 204-421-6476 | |
| Temporal Trend Studies of Trace Metals and Halogenated Organic Contaminants (HOCs), Including New and Emerging | | Research | Jason Stow, Indigenous and Northern Affairs Canada, Jason.Stow@aadnc- | |

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| <p>Persistent Compounds, in Mackenzie River Burbot, Fort Good Hope, NWT (project from 2011-2017 under the Northern Contaminants Program) http://www.science.gc.ca/default.asp?lang=En&n=ED7D11AF-1&offset=18&toc=show</p> | | | <p>aandc.gc.ca, 204-421-6476</p> | |
| <p>Glacier melt and soil/permafrost thaw inputs of mercury and emerging organic contaminants to a pristine high Arctic watershed in Quttinirpaaq National Park, northern Ellesmere Island, Nunavut (project from 2016-2017 under the Northern Contaminants Program) http://www.science.gc.ca/default.asp?lang=En&n=ED7D11AF-1&offset=36&toc=show</p> | <p>Once results are published, this could be added to the SAICM Clearinghouse</p> | <p>Research</p> | <p>Derek Muir, Environment and Climate Change Canada, derek.muir@canada.ca 905-319-6921</p> | |
| <p>Climate change, contaminants, ecotoxicology: interactions in Arctic seabirds at their southern range limits (project from Northern Contaminants Program) http://www.science.gc.ca/d</p> | <p>Once results are published, this could be added to the SAICM Clearinghouse</p> | <p>Research</p> | <p>Kim Fernie, Environment and Climate Change Canada, kim.fern@canada.ca (905) 336-4843</p> | |

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| | efault.asp?lang=En&n=ED7D11AF-1&offset=32&toc=show | | | | |
| ChemSec - an NGO based in Sweden | <p>We are the organization behind the SIN List, which is a list of substances which we believe (based on all available data) fulfill the EU REACH criteria of being substances of very high concern (SVHC). On the SIN List we have 32 substances identified as SVHCs only because of their endocrine disrupting properties. In the absence of any official EDCs criteria, this list of EDCs can be used by companies, investors, governments and more. Eg. this is one of the three list which UNEP bases its draft report identifying important EDCs on. The SINList in full is available on www.sinlist.chemsec.org, and the EDCs specifically are described in the following publication: http://chemsec.org/publication/endocrine-disruptors,reach,sin-list/the-32-to-leave-behind-edcs-relevant-for-reach-2015/ If</p> | <p>We are currently in the phase of developing a new online tool for substitution. We call it an "e-bay chemicals" and it should be a place where companies can market or ask for alternatives to hazardous chemicals. A first version of this platform is planned for launch in early 2017.</p> | Capacity building | <p>Anna Lennquist: anna.lennquist@chemsec.org</p> | chemsec.org |

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| | not already in there, I believe this should definitely be part of the SAICM clearinghouse. | | | | |
| Center for International Environmental Law (CIEL)/ Switzerland/ Europe | <p>(to be included in the SAICM Clearinghouse)</p> <p>Blog posts / Press releases: What's More Hazardous – Endocrine Disruptors or the EU's Proposed Criteria?; Endocrine Disrupting Chemicals; Economic Benefits of Tighter Controls for Endocrine Disruptors Outweigh Hypothetical Trade Effects; WHO-UNEP Report on Endocrine Disruptors Highlights Need for Global Action; European Commission Continues to Ignore Parliament on TTIP; Breaking the Global Paralysis on Endocrine Disruptors.</p> <p>Reports: Driving Innovation: How Stronger Laws Help Bring Safer Chemicals to Market; Lowest Common Denominator: How the EU-US trade deal threatens to</p> | (to be included in the SAICM Clearinghouse) | Awareness raising / legislation/ analysis of regulatory measures / capacity building / general social media outreach | Giulia Carlini, Center for International Environmental Law (CIEL) gcarlini@ciel.org | www.ciel.org |

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| | <p>lower standards of protection from toxic pesticides; Human Rights Implications of Toxic Chemicals: DecaBDE; Human Rights Implications of Toxic Chemicals: Phthalates.</p> <p>Feedback to EU Commission Criteria to identify endocrine disruptors for plant protection products (COMMISSION REGULATION (EU) .../... setting out scientific criteria for the determination of endocrine disrupting properties and amending Annex II to Regulation</p> <p>Feedback to EU Commission Criteria to identify endocrine disruptors for biocidal products (COMMISSION DELEGATED REGULATION (EU) .../... setting out scientific criteria for the determination of endocrine-disrupting properties pursuant to Regulation (EU) No 5</p> <p>Letter to EU Commission:</p> | | | | |
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| | <p>Environmental, Labor, and Health Advocates Urge EU Commission to Confront Dangers of Endocrine Disrupting Chemicals;</p> <p>Legal reform capacity building workshop in the Asia Pacific Region;</p> <p>Legal reform capacity building workshop in the Africa Region (planned).</p> | | | | |
| <p>Costa Rica, Universidad Nacional, Instituto Regional de Estudios en Sustancias Toxicas (IRET)</p> | <p>Pesticide manual with information about the pesticides classified as EDCs.</p> <p>Project with small vegetable farmers in pesticides reduction programme.</p> <p>Presentations about exposure, effects and risks of EDCs to members of the National Secretary of Chemical Substances.</p> | | <p>Research, awareness raising, capacity building</p> <p>Investigation of the use of EDCs in agricultural pesticides, industrial, consumer, and personal care products; Environmental presence (surface, ground and drinking water) of agricultural pesticides classified as EDCs and other products using modern analytical instrumentation like Liquid chromatography with tandem mass spectrometry (LC-MSMS). Effect assessment of endocrine-disrupting in fish, other aquatic organism, and terrestrial organism. Exposure and effect assessment of endocrine-disrupting pesticide to agricultural workers in vegetable production, Exposure and effect assessment of endocrine-disrupting</p> | <p>Clemens Ruepert, Instituto Regional de Estudios en Sustancias Toxicas (IRET) Universidad Nacional Apdo 86-3000 Campus Omar Dengo Heredia, COSTA RICA clemens.ruepert@una.ac.cr ired@una.cr</p> | <p>www.ired.una.ac.cr</p> |

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| | | | pesticide to women and children living in banana plantation area. | | |
| Costa Rica DIGECA/MINAE | Costa Rica is presently executing a PCB Integrated Management in Costa Rica Project for the elimination of existing contaminated equipment and oils. In the second semester of 2016 a total of 100 MT of PCB contaminated oils and equipment will be destroyed along with approximately 10 MT of obsolete pesticides of which DDT is included. | A Technical Guideline for PCB Management has been published and is on line at http://www.digeca.go.cr/documentos/guia-tecnica-para-la-gestion-de-pcb . | A PCB Regulation as been formulated and technically approved by the Ministry of Health and is in the process of being signed by the MINAE and Ministry of Health. | Shirley Soto , Director, Environmental Quality Management Division, Ministry of Environment and Energy. E-mail: ssoto@minae.go.cr | www.digeca.go.cr |
| EU/WECF | | | Nesting Programme: Awareness raising programme about toxic chemicals in children`s products addressing everybody who works and lives with children: website, mobile phone App, workshops | Alexandra Caterbow, WECF, alexandra.caterbow@wecf.eu | www.nestbau.info ; www.projetnesting.fr ; www.eenveilignest.nl ; www.projectnesting.org |
| | | | EDCs exhibition in English and German | | |
| | | | EDCs information brochure for consumers in English, German, French: http://www.wecf.eu/english/publications/2013/guide_edcs.php | | |
| | | | Baby care products guide in English, German, French, Dutch: http://www.wecf.eu/english/publications/2014/babycare-guide.php | | |
| | | | Personal care guide in English, German, French, Dutch: http://www.wecf.eu/english/publications/2014/babycare-guide.php | | |

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| | | | Toys guide in English, German, French, Dutch, Chinese, Serbian, Greek, Macedonian, Estonian : http://www.wecf.eu/english/publications/2009/publications-toysguide.php | | |
| | | | WECF report on chemicals in textiles: http://www.wecf.eu/english/publications/2013/WECFfullreporttextiles.php | | |
| | | | WECF/BEF Handbook for hairdressers: Hazardous ingredients in Professional Cosmetics: http://www.wecf.eu/english/publications/2014/handbook-hairdressers.php | | |
| | | | WECF/BEF Handbook for teachers: Think Before You Buy: Choose Products With Less Hazardous Substances: http://www.wecf.eu/english/publications/2015/teachers-handbook.php | | |
| | | | WECF publication: Linking breast cancer and our environment (in English, Dutch, German, French): http://www.wecf.eu/english/publications/2007/breastcancer_environment.php | | |
| | | | WECF publication about women and EDCs (Gestörte Weiblichkeit / Menace sur la santé des femmes) in French and German: http://www.wecf.eu/english/publications/2012/wecffrance-EDCs.php | | |
| International Council of Chemical | ICCA's Long-Range Research Initiative (LRI), through the LRI programs at ACC, Cefic | | Research | Anne Kolton, American Chemistry Council, | https://www.icca-chem.org/wp- |

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| <p>Associations</p> | <p>and JCIA, contributed significantly to the laboratory studies needed for the development and validation of a number of the screening test guidelines that have been adopted by OECD and EPA. In addition, LRI is developing 21st century in vitro biological pathway approaches (consistent with the vision of US National Academy of Sciences' Toxicity Testing in the 21st Century) to prioritize and conduct risk based screening and risk evaluations that can be used in lieu of the time-and animal intensive time-intensive techniques that have traditionally been used. Scientists from many industrial sectors continue to provide significant contributions to the field, through publications in the scientific literature, focused on the evaluation and optimization of screens, including High Throughput (HTP) tools and omics, to identify substances that</p> | | <p>anne_kolton@americanchemistry.com</p> | <p>content/uploads/2015/08/Long-Range-Research-Initiative-Advancing-Chemical-Safety-Assessment-for-the-21st-Century.pdf</p> <p>http://cefic-lri.org/tag_projects/endocrine-disruption/?post_type=projects</p> <p>http://cefic-lri.org/tag_projects/endocrine-disruption/?post_type=projects</p> <p>https://lri-abstract.americanchemistry.com/LRIAbstracts.aspx</p> |
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| <p>have the potential to interact with the endocrine system (“endocrine-active”) and tests to determine if such substances can cause adverse effects due to that interaction, including dose-response.</p> | | | | <p>https://translate.google.com/translate?hl=en&sl=ja&u=http://www.jlri.org/&prev=search</p> |
| <p>The June 2012 ICCA LRI Workshop held in Japan included a pre-workshop training course entitled "The Endocrine System: Global Perspectives on Testing Methods and Evaluation of Endocrine Activity." In addition, the three-day Environmental Toxicological Risk Assessment Workshop held at The Laico Regency Hotel, Nairobi, Kenya on June 21-23 2016, which was partially funded by a grant from the Chemistry Education Foundation, included one day focused on Endocrine Disrupting Chemicals.</p> | | <p>Awareness raising, Capacity building</p> | <p>Anne Kolton, American Chemistry Council, anne_kolton@americanchemistry.com</p> | |
| <p>As part of current government programs like the U.S. EPA’s Endocrine</p> | | <p>Research</p> | <p>Anne Kolton, American Chemistry Council,</p> | |

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| | <p>Disruptor Screening Program (EDSP), industry has generated significant amounts of data on chemicals subject to the EDSP for use by regulators to determine whether their chemicals are endocrine active, and if so, whether they cause adverse effects due to that interaction, and dose-response, for use in risk-based decision making.</p> | | | anne_kolton@americanchemistry.com | |
| | <p>ICCA provides support to its member associations around the world through various capacity building activities. Most recently, ICCA has conducted a series of webinars with industry associations to enhance the understanding of the EDCs issues at policy and technical levels.</p> | | Capacity Building, Awareness Raising | Anne Kolton, American Chemistry Council, anne_kolton@americanchemistry.com | https://www.icca-chem.org/wp-content/uploads/2015/08/Long-Range-Research-Initiative-Advancing-Chemical-Safety-Assessment-for-the-21st-Century.pdf |
| Indonesia/National/Indonesia Water Community of Practice (IndoWater) | | | Research: (1) Estrogenic compound analysis on Surabaya river sediment and It's Impact to Asian Red-tailed Catfish Intersexuality, (2) Activity and Livelihood Analysis (AA and LA) on EDCs contaminated river (Kampar, Brantas, and | Riska Darmawanti (National Coordinator); email: indowatercop@gmail.com; cellphone: +62-8125-2031-456 | |

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| CoP) | | | Ciliwung), (3) Measuring EDCs compounds (plastic and herbicide) on water resources in members working area (Kampar, Ciliwung, and Brantas); (4) Mapping EDCs case in Indonesia from different journals. The second to fourth are on going process | | |
| Indonesia/National/Indonesia Water Community of Practice (IndoWater CoP) | | | Research: (1) Estrogenic compound analysis on Surabaya river sediment and It's Impact to Asian Red-tailed Catfish Intersexuality, (2) Activity and Livelihood Analysis (AA and LA) on EDCs contaminated river (Kampar, Brantas, and Ciliwung), (3) Measuring EDCs compounds (plastic and herbicide) on water resources in members working area (Kampar, Ciliwung, and Brantas); (4) Mapping EDCs case in Indonesia from different journals. The second to fourth are on-going process | Riska Darmawanti (National Coordinator); email: indowatercop@gmail.com; cellphone: +62-8125-2031-456 | |
| | | | Capacity Building: (1) Increasing members knowledge on EDCs and it is impact to human health, and livelihood; (2) Building women group and increasing their lobby and advocacy in EDCs (both activities is on-going process) | | |
| | | | Increasing public awareness on EDCs contamination: making brochure on EDCs contamination | | |
| | | | Indonesia Water Community of Practice is a consortium of NGO which working on river | | |

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| | | | <p>conservation with main focus on water quality problems. We see that in Indonesia, the water quality isn't being managed properly and seriously, particularly about EDCs contaminant. Many of EDCs are not included in the national regulation. Our focus for the next 5 years would be putting one of EDCs contaminant, for example plastic (such as phthalate esters, BPA) as main water quality standard. We're hoping to build more network to gain experience, consultancy, knowledge on EDCs in the near future.</p> | | |
| IPEN global | | | <p>IPEN EDC guide English: http://www.ipen.org/sites/default/files/documents/ipen-intro-edc-v1_9a-en-web.pdf</p> | Bjorn Beeler, IPEN, BjornBeeler@ipen.org | www.ipen.org |
| | | | <p>IPEN EDC guide Spanish: http://www.ipen.org/sites/default/files/documents/Intro_to_EDCs_ES_June_2016.pdf</p> | | |
| | | | <p>IPEN EDC guide Arabic: http://www.ipen.org/sites/default/files/documents/ipen-intro-edc-AR.pdf</p> | | |
| | | | <p>IPEN EDC guide French:</p> | | |

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| | | http://www.ipen.org/sites/default/files/documents/ipen-intro-edc-v1_9e-fr.pdf | | |
| | | IPEN EDC guide Russian: http://www.ipen.org/sites/default/files/documents/ipen-intro-edc-v1_9d-ru-web.pdf | | |
| | | IPEN / Arnika report about Dioxin in China: POPs in Chicken Eggs from Hotspots in China: http://ipen.org/news/high-levels-dioxins-found-chicken-eggs-sampled-near-waste-incinerators-and-metallurgical-plant | | |
| | | IPEN event on contaminated sites at INC7: http://ipen.org/news/mercury-contaminated-sites-side-event-inc7 | | |
| | | IPEN /Arnika report on BRFs in products: Toxic Toy or Toxic Waste: Recycling POPs into New Products, http://ipen.org/news/toxic-toy-or-toxic-waste-recycling-pops-new-products | | |
| | | TEDx: scientific reviews of several EDCs and maintenance of a list of potential EDCs on the TEDX website. The research is published in peer-reviewed scientific journals and other information is | Carol Kwiatkowski, PhD, Executive Director TEDX, carolkw@tds.net | www.tedx.org |

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| | | | available on TEDX website at www.tedx.org . | | |
| IPEN Africa | | | IPEN workshop about lead in paint in Africa: http://ipen.org/news/governments-agree-set-legal-limits-lead-paint-africa | | |
| IPEN: Armenia/EECCA/ Armenian Women for Health and Healthy Environment (AWHHE) NGO | The project produced information materials (leaflets and brochures) in Armenian language using the materials by international organizations and NGO networks, the electronic versions are available on AWHHE website | AWHHE conducted sampling analysis of breast-milk for residual concentrations of DDT and its metabolites, HCCH and its isomers, as well as for 2,4-D pesticide. The results were compared with a similar research by AWHHE in 2004. A significant decrease was noted (by 3 times) of the residues of DDT and HCCH and the metabolites from 0.09 mg/kg lipid to 1.01 mg/kg lipid. This decrease is largely due to AWHHE's long-term public education efforts | AWHHE is currently implementing the following EDCs related project: Project name: Protecting Women from Endocrine Disrupting Chemicals (June 2015 – June 2017, ongoing) Goal: Contribute to protecting women's health from endocrine disrupting chemicals in EECCA region. | Dr. Elena Manvelyan, President, Armenian Women for Health and Healthy Environment (AWHHE) NGO; email: office@awhhe.am ; tel.: +37410523604; website: www.awhhe.am ; address: 24 B Baghramyan Avenue, Yerevan 0019, Armenia | http://awhhe.am/protecting-women-from-endocrine-disrupting-chemicals/ |

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| | | related to pesticides usage in agriculture. However, an alarming sign was that 2,4-D (dichlorophenoxyacetic acid) was detected (up to 0.02 mg/kg lipid) in breast-milk for the first time. Information was shared through HEAL, WECF, IPEN networks | | | |
| | | | Objective 1: Strengthen the national and regional outreach and communication regarding the EDCs as part of the SAICM process in coordination with IPEN EECCA Hub (Eco-Accord) | | |
| | | | Objective 2: Promote civil society discussions on the impact of EDCs on women's health in Armenia and EECCA region) | | |
| IPEN Armenia/EECCA/ Armenian Women for Health and Healthy | The project is still under implementation, the information will be available on the IPEN and AWHHE websites shortly. | IPEN is providing support to AWHHE to conduct a survey the brands of solvent-based paint sold for non-industrial use, | Project name: Lead Paint Study in Armenia as part of IPEN's Lead Paint Elimination Campaign (April-September 2016) | Dr. Elena Manvelyan, President, Armenian Women for Health and Healthy Environment (AWHHE) NGO; | http://www.ipen.org/projects/eliminating-lead-paint |

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| <p>Environment (AWHHE) NGO in cooperation with IPEN</p> | | <p>prepare an overview of the results; prepare a survey of existing national laws, regulations, standards (voluntary or mandatory), and/or frameworks that might currently apply to the lead content of paints for sale and/or use in country; identify any relevant legal frameworks in force in Armenia; provide an overview of the paint industry in Armenia; collaborate with the IPEN Lead Paint Team to prepare and release a national report and reach out to various stakeholders, including paint industry leaders with the paint study results.</p> | | <p>email: office@awhhe.am; tel.: +37410523604; website: www.awhhe.am; address: 24 B Baghramyan Avenue, Yerevan 0019, Armenia</p> | |
| <p>IPEN China/global</p> | | | <p>IPEN /Insight Explorer report: Lead in Enamel Decorative Paints in China, http://ipen.org/news/new-study-finds-</p> | | |

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| | | | lead-levels-majority-paints-exceed-chinese-regulation-and-should-not-be-store | | |
| IPEN Malaysia/global | | | IPEN / Consumers' Association of Penang report: Lead in New Enamel Household Paints in Malaysia: http://ipen.org/news/high-lead-levels-found-majority-malaysian-paint-brands | | |
| IPEN India | | | EDCs Conference 2016, organized by Toxics Link, India | info@toxicslink.org | www.toxicslink.org |
| | | | Toxics link BPA report: http://www.ipen.org/news/toxics-link-release-new-report-bisphenol-baby-feeding-bottles-india | | |
| | | | Toxics Link Triclosan Report: http://www.ipen.org/news/new-toxics-link-report-disrupting-triclosan-potential-endocrine-disrupting-chemical-found | | |
| | | | Toxics Link ECDs and personal care products: http://toxicslink.org/docs/Endocrine-Disruptive-Chemicals-REPORT-2016.pdf | | |
| IPEN Taiwan/global | | | IPEN / Taiwan Watch Institute report: Lead in Solvent-Based Paints for Home Use in | | |

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| | | | Taiwan. http://ipen.org/news/press-release-high-lead-levels-found-majority-taiwan-paint-brands | | |
| IPEN USA/North America/ Sciencecorps | Tox analysis including ED properties of chemicals in uniform fabric- with journal pub and outreach via unions planned. | Planned: recommendations on screening & textile standards, response to complaints, surveillance, & communication | Research, outreach, capacity building, worker and public protection | Dr. Kathleen Burns, Director, Sciencecorps, Newbury, MA, USA; Judith Anderson, AFA/AFL-CIO, Seattle WA, USA | www.sciencecorps.org * Link to information will be available for inclusion in Clearinghouse in October |
| | Public information resource on chemical analysis & tox/ED for legacy-banned organochlorine pesticides in food. | Planned: public information resource on screening, options to avoid exposure | Research, outreach, capacity building, regulatory measures | Dr. Kathleen Burns, Director, Sciencecorps, Newbury, MA, USA; Judy Braiman, Pres. Empire State Consumer Project, Rochester NY. | www.sciencecorps.org * Link to information will be available for inclusion in Clearinghouse in October |
| | Planned: Technical and public access information on tox/ED of petroleum hydrocarbons (crude oil, gasoline, diesel, etc.) | Planned: screening options and alternatives | Research, outreach, capacity building, regulatory measures | Dr. Kathleen Burns, Director, Sciencecorps, Newbury, MA, USA (formerly Lexington MA) | www.sciencecorps.org * Link to information will be available for inclusion in Clearinghouse in December |
| Italy: Istituto Superiore di Sanità (ISS) – National | Decalogue for the Citizens on EDCs, a dissemination tools (see web-link) | Contribution to the development of EU criteria for EDCs identification | National project on EDCs: translation of research into regulation and awareness | Alberto Mantovani, ISS, alberto.mantovani@iss.it | http://www.iss.it/inte |

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| Institute of Health | Implementation of the substitution principle for EDCs present in consumer products | Contribution to the development of in vitro strategies for EDCs | EU LIFE project EDESIA (Endocrine Disruptors in silico/in vitro Evaluation and Substitution for Industrial Application) | Alberto Mantovani, ISS, alberto.mantovani@iss.it, Stefano Lorenzetti, ISS, Stefano.lorenzetti@iss.it, Life.edesia@iss.it | http://www.iss.it/life |
| | Implementation of biomonitoring surveillance for EDCs | Contribution to the development of biomonitoring best practices for EDCs | EU LIFE project PERSUADED (Phthalates and bisphenol biomonitoring in Italian mother-child pairs: link between exposure and juvenile diseases) | Cinzia La Rocca, ISS, Cinzia.larocca@iss.it, Francesca Maranghi, ISS, francesca.maranghi@iss.it | http://www.iss.it/lifp |
| | Screening activity for setting up priority list and criteria for definition | Plan of evaluation according to priority criteria (Roadmap for 2020) | ED Working Group – ECHA, ED identification for biocide legislation (BPR) 528/2012 | maristella.rubbiani@iss.it | |
| | Implementation of biomonitoring surveillance for contaminants, including EDCs, in farm animals and their products | Development of the ISS patent “(Bio)Sensors’ system in Food Safety [BEST]” | Project ALERT (funded by the Italian Ministry for Economic Development) | Chiara Frazzoli, Chiara.frazzoli@iss.it | http://www.alert2015.it |
| Japan/Ministry of Health, Labor and Welfare | - | - | Research etc.] MHLW has been developing the screening methodologies of endocrine disrupting effects of chemicals focusing on their hormonal activities. Some of the results have contributed to international activities such as drafting of OECD | Office of Chemical Safety, Pharmaceutical Evaluation Division, Pharmaceutical Safety and Environmental Health Bureau, Ministry of Health, | |

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| | | | activities. | Labor and Welfare, Japan E-mail: chemicalkatei@mhl w.go.jp | |
| Japan/Ministry of Economy, Trade and Industry, Japan (METIJ) | - | - | 【Research etc.】 METIJ has been developing the effective, low cost type of screening test methods for EDCs, which can be easily used by companies, from the standpoint of supporting industrial activities. METIJ has been trying to make such test methods into OECD Test Guidelines for the global standardization. | Chemical Management Policy Division, Manufacturing Industries Bureau, Ministry of Economy, Trade and Industry, Japan. Email: iguchi- naoki@meti.go.jp | |
| Japan/Ministry of the Environment, Japan (MOEJ) | - | - | 【Research etc.】 MOEJ has been promoting its program focusing on testing and assessment of endocrine disrupting effects of chemicals to organisms in the environment. Reviewing the achievements of the preceding program (EXTEND2010), MOEJ released its new program titled as EXTEND2016 in June 2016. | Environmental Health and Safety Division, Environmental Health Department, Ministry of the Environment, Japan. E-mail: netsu@env.go.jp | |
| Mali | | | Exercice pratique de détection d'éventuels produits phytosanitaires dangereux, notamment du groupe des perturbateurs endocriniens en usage dans le périmètre de Samanko, par Dr | Dr Oumar Diaouré CISSE, Expert en Développement et Gestion des Produits Chimiques et | |

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| | | | <p>Oumar Diaouré CISSE.</p> <p>Sous la houlette de l'Expert, les participants ont passé en revue une liste de 52 pesticides classés comme étant des perturbateurs endocriniens et vérifié l'existence de ces produits dans l'arsenal phytosanitaire de la coopérative.</p> <p>L'exercice a permis de détecter l'usage du Lambda –cyhalothrin, incriminé dans cette liste.</p> | <p>Déchets Point Focal SAICM/ Mercure DNACPN/ MEADD Bamako, Mali Tél: +223 20292410 +223 76473520 +223 44245123 Email : oumar.cisse@gradua teinstitute.ch</p> | |
| Monaco | not applicable | not applicable | not applicable | | |
| Montenegro/Ministry for Sustainable Development and Tourism | Endocrine Disrupting Chemicals are considered in Montenegrin legislation, precisely the Law on chemicals and Rulebook on list of substances of very high concern (OJ MNE, 65/15) which transposed the REACH regulation and endocrine disrupting chemicals are considered as substances of very high concern. | | Regulatory measures | Jelena Kovacevic, Ministry for Sustainable development and Tourism, jelena.kovacevic@mrt.gov.me | www.mrt.gov.me |
| PAN Asia Pacific | PANAP and its partner organizations are continuously monitoring the presence, use and health effects of HHPs/EDCs in | The International People's Agroecology Multiversity Learning Portal with links to the PANAP ebooks | (1) Participation to the UN Convention on the Rights of the Child General Discussion Day on September 23, 2016. The hazards of pesticides and the case studies on | Sarojeni Rengam sarojeni.rengam@panap.net Deeppa Ravindran deeppa.ravindran@p | http://www.panap.net/ |

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| | <p>plantation communities through the Community Pesticide Action Monitoring (CPAM) program. Skills building in the use of the CPAM App, identification of symptoms of pesticide poisoning; as well as information, education and communications campaign to raise awareness on the dangers of these chemicals are ongoing. IEC has been done through the publication of reports on conditions of paraquat, endosulfan and chlorpyrifos use in the Asia Pacific, panel of experts presentations, educational workshops, speaking tour with scientist expert on endocrine disruptors and children, and workshops on pesticide health risk assessment. PAN AP through its member NGOs is also tracking illegal pesticides trade, and is continuously lobbying for the aerial spray ban. PAN AP will be releasing soon a book on the dangers of glyphosate. Reports on the</p> | <p>and other info like videos on home composting, etc. http://ipamglobal.org/field-learning-sites/pan-asia-pacific-panap (1) Realize, Resist, Reclaim http://www.panap.net/sites/default/files/Realise-Resist-Reclaim.pdf (2) Replacing Chemicals with Biology: Phasing out highly hazardous pesticides with agroecology https://www.panna.org/sites/default/files/Phasing-Out-HHPs-with-Agroecology.pdf (3) Banner for the Protect Our Children from Pesticides http://www.panap.net/sites/default/files/Protect-Children-Banner.pdf (4) Eliminating HHPs for Harm Prevention http://www.panap.net/sites/default/files/</p> | <p>Bhopal tragedy, Kasargod endosulfan tragedy, Kamukhaan Village and the death of Silvino Talavera due to pesticide exposure , and the failure of regulation are highlighted in the submission sent last July 28, 2016 (2) Lobbying for Asia Pacific States to require a pesticide buffer zone in schools (3) Participation in the Monsanto tribunal in October 14-16, 2016 (4) Participation in the 12th meeting of the POP Review Committee in September 19-23, 2016 (5) Research on glyphosate to be published soon (6) Research on children's exposure to pesticides/case studies (7) Support to PAN AP partners' fight to ban aerial spraying (8) The International People's Agroecology Multi-university learning platform development (8) Continuous giving of seminar-workshops on pesticides and alternatives and capacity building upon request of partners</p> | <p>anap.net</p> | |
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| | current CPAM is in the writing stage. | EDC-Banner.jpg (5) Agroecology: Forging the way to a secure future http://www.panap.net/sites/default/files/Agro-Ecology-Banner.jpg | | | |
| PAN Europe/Belgium | PAN Europe and PAN members develop tools to raise awareness on the harmful effects of endocrine disrupting (ED) pesticides as well as to influence politicians to regulate ED pesticides and protect Europeans and the environment from exposure to EDCs. We currently work on the development of the scientific criteria by the European Commission and we also follow the authorization process of ED and hazardous pesticides. Tools: (a) website dedicated on disrupting food (http://www.disruptingfood.info/en/) consumer guide, (b) database on ED-pesticides (and impact assessment according to COM's options | (a) Consumer guide for EDCs and leaflet: (http://www.disruptingfood.info/en/consumer-guide); (b) Reports and Database : (http://www.pan-europe.info/resources/reports), Scientific Opinions on EDCs, Impact Assessment on ED pesticides and database, Downfall of ED-policy in the EU | Scientific Research on pesticides that are EDCs, participation in Stakeholder Meetings with EC and EFSA, European Parliament meetings, public awareness through press releases, communication with politicians and institutions through letters and meetings. Organizing: parliamentary meetings based on science and European policies, capacity building meetings, conferences in European countries organized by our members | Dr. Angeliki Lyssimachou: angeliki@pan-europe.info and Hans Muillerman: hans@pan-europe.info | http://www.pan-europe.info |

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| | <p>http://www.pan-europe.info/resources/reports) (c) Communication Open letters (http://www.pan-europe.info/resources/other) (d) press releases (http://www.pan-europe.info/media/press-releases) as well as leaflets, reports, email list with member EU NGOs, EDC-coalition with other NGOs</p> | | | | |
| PAN Germany | <p>PAN Germany is active to raise public awareness on alternatives and to influence decision makers to regulate ED pesticides and biocides aimed to protect citizens and the environment from exposure to EDCs.</p> <p>(a) Publication of the periodically revised "List of Highly Hazardous Pesticides" on behalf of PAN International: http://www.pan-germany.org/gbr/project_work/highly_hazardous_pesticides.html;</p> <p>(b) Information on ED-biocides: "Endocrine disrupting biocides - Why highly hazardous biocides</p> | <p>(a) Consumer guide and leaflet for EDCs (in German): http://www.pan-germany.org/download/ED_Pestizide.pdf; http://www.pan-germany.org/download/EDCs_german_web.pdf;</p> <p>(b) Field guides on non-chemical pest management in the tropics: http://www.oisat.org/fulltext_docs.php?category=field_guides&pos=0&what=content&order=0;</p> <p>(c) Information on</p> | <p>Awareness raising of the public and other stakeholder (information materials, website, social media)</p> <p>Capacity building activities (in cooperation with other PAN member organization/EDC-NGO coalition partner);</p> <p>Stakeholder activities: currently work on the development of scientific criteria for the identification of EDCs by the European Commission (and regulated by the EU legislations on pesticides and biocides (EC/1107/2009, EC/528/2012)).</p> | <p>susanne.smolka@pan-germany.org; susan.haffmans@pan-germany.org</p> | <p>http://www.pan-germany.org</p> |

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| | must be phased out": http://www.pan-germany.org/download/biocides/ED-Biocides_backgroundpaper_PAN-Germany_F.pdf ; | sustainable use / alternatives of biocidal products (pesticides, not used in plant protection): http://www.pan-germany.org/deu/projekte/biozide.html | | | |
| Panama | Nothing yet | Nothing yet | Research in Prevalence study in process | Maria Ines ESQUIVEL | |
| Serbia/ Balkans/ Ministry of Agriculture and Environmental Protection | Available information sharing tools: official internet presentations of CA: 1. www.eko.minpolj.gov.rs (for different stakeholders with other relevant topics); 2. www.ipohem.gov.rs The web site is intended for informing consumers (still under preparation - Serbian/English version). | Campaign "FIGHT TO KNOW!": - testing of an exercise of rights on being informed about the contents of SVHC (in this case for phthalates) in consumers' products through communication between consumers and producers/importers/distributors; - laboratory analysis of phthalates in samples of selected articles. | Research | Sonja Roglic/ Ministry of Agriculture and Environmental Protection/email: sonja.roglic@eko.minpolj.gov.rs ; Tel: +381 11 7155 203 | http://www.eko.minpolj.gov.rs/organizacija/sektori/sektor-za-planiranje-i-upravljanje-u-zivotnoj-sredini/odeljenje-za-hemikalije/informativni-pult-za-hemikalije-ibiocidne-proizvode/potrosaci/ |
| | | Campaign "FIGHT TO KNOW!": - preparation and distribution of brochure "Stop EDCs | Awareness raising | | http://www.eko.minpolj.gov.rs/organizacija/sektori/sektor-za-planiranje-i-upravljanje-u-zivotnoj-sredini/odeljenje-za-hemikalije/informativni-pult-za-hemikalije-ibiocidne-proizvode/potrosaci/ |

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| | <p>in everyday products" (how to avoid exposure to hormone disrupting chemicals in daily life) as well as of brochure "Guidance for purchase of chemically safe products" (SVHC in products and consumers' right to be informed);</p> <p>- communication with consumers during the World Consumer Rights Day. Consumers had opportunity to get closer instructions on how to exercise their right to be informed (Article 33 of the REACH Regulation), brochures and model letter of request for information about presence of SVHC in products;</p> <p>- awareness raising of producers/importers /distributers of</p> | | <p>je-za-hemikalije/informativni-pult-za-hemikalije-i-biocidne-proizvode/potrosaci/brosure-i-materijali/</p> <p>http://www.eko.minpolj.gov.rs/dokumenti/</p> <p>http://www.eko.minpolj.gov.rs/wp-content/uploads/hemikalije/Izvestaj%20o%20kampanji_Final-EN.pdf</p> |
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| <p>articles on SVHC through letter of request for information;</p> <ul style="list-style-type: none"> - press releases and conferences; - hosting in radio and TV programmes; - publication of information on web site and via social networks. | |
| <p>Law on Chemicals is harmonized with provisions of the REACH Regulation 1907/2006 except the centralized procedures (registration, evaluation and authorization). Most of the provisions in the Law on Chemicals were developed in order to harmonize national legislation with REACH Regulation (e.g. Article 33 as well as Article 123).</p> | <p>Legislation</p> |

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| <p>Furthermore, in order to ensure risk control and replacement of certain substance with suitable safer alternative substances, Ministry in charge of environmental protection took over substances from Authorization List, and published List of Substances of Very High Concern, in the "Official Gazette of the RS", number 94/13, as well as substances from Candidate List, and published List of Candidate Substances for List of Substances of Very High Concern in the "Official Gazette of the RS", number 58/16.</p> <p>According to the provisions of the national legislation</p> | |
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| <p>manufacturers, importers and downstream users of SVHC (from the List of SVHC) or mixtures containing them have the obligation to submit additional data for the purpose of entering these chemicals into the Chemicals registry. Thus, on request by consumer any supplier of an article containing SVHC in a concentration above 0,1% weight by weight (w/w) shall provide the consumer with sufficient information to allow safe use of the article including, as a minimum, the name of that substance.</p> | |
| <p>Extraordinary enforcement activities of the competent authorities will be conducted regarding</p> | <p>Regulatory measures</p> |

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| | <p>the campaign results (via sanitary and environmental inspectors).</p> | | | |
| | <p>Capacity building and strengthening collaboration between relevant state authorities (ministries responsible for environmental protection, health and protection of consumers in particular), NGO sector, consumer protection and trade organizations, media, health professionals and consumers in order to create conditions for safe chemicals management, with specific view to SVHC contained in products.</p> <p>In order to increase understanding of chemicals safety management, in</p> | <p>Capacity building</p> | | |

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| | <p>particular on chemicals in articles, Satellite Symposium on “Endocrine Disrupting Chemicals (EDCs) and Women’s Health” was organized within the 2nd International Symposium on Advances in polycystic ovary syndrome (PCOS) and Women’s Health. The Symposium was oriented towards endocrinologists, gynecologists, cardiologists, internal medicine specialists and other interested parties. This Symposium brought together representatives of government, civil society and health professionals in order to exchange existing experiences and to become an important partner in</p> | | | |
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| | | reaching to the general public and spreading information regarding harmful chemicals as well as harmful chemicals in products placed on the Serbian market. | | | |
| | Planned: further activities regarding SVHC in articles through the future projects. | | | | |