CONFLICT AND OPPORTUNITY:
Chemical Management,
the Circular Economy & Precious Metals

Program

5 December 2018 (from 14:00 to 17:00) - Radisson Blu Brussels, Rue du Fossé aux Loups, 1000 Brussels

Welcome by Heinz-Günter Schenzel (President of EPMF, C.Hafner)

Introduction by Hugo Waeterschoot (REACH Advisor, Eurometaux)

The tools for Precious Metals to turn conflicts into opportunities in the context of Circular Economy and Chemicals Management:

- Substance in Substance: outcome of the REACHLaw study (Tim Becker, Legal advisor on REACH and related EU legislation, REACHLaw)
- Calculating total health and environment external costs to inform recycling policies: materials and hazardous additives, an example to transpose to Precious Metals processes (Jean-Marc Brignon, Senior Expert, INERIS)

Coffee Break

Panel discussion on conflicts and opportunities between chemicals, waste and products with a focus on Precious Metals production

- Egbert Lox, Senior Vice-President Government Affairs, Umicore
- Julia Verhoeven, Senior Policy Advisor, Centre for Safety of Substances and Products, Bureau REACH, RIVM
- Enrique Garcia-John, Policy Officer, REACH Unit, DG Grow
- Matti Vainio, Head of Unit Risk Management, ECHA
- Jody Quirke, Legal and Policy Officer, DG Environment

Conclusions by Geert Dancet (Independent consultant) and Guy Ethier (Precious Metals Consortium, Chair)

17h - Cocktail

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The moderator

Nadine Dereza

Nadine is an award-winning journalist and presents business and news programmes on TV and radio. She was named as 'Financial Journalist of the Year' for the Financial Times and has presented for several international broadcasters including the BBC, CNN, SABC and is currently presenting programmes on how digital innovation is reshaping industries for CNBC. Nadine moderates' conferences and panel discussions for a diverse range of clients across many different sectors around the world.

The speakers

Tim Becker

Mr Becker (MA Law, Germany) has been a legal advisor on REACH and related EU legislation at Finnish-based consultancy REACHLaw Ltd since 2008. He also worked previously with ECHA in its Guidance Team. His track record comprises legal analyses and project management (e.g. for REACH authorisation task forces) for various industries globally and government bodies, as well as numerous publications. Major consulting projects headed by Mr Becker include continuous REACH support to the European Space Agency (since 2011), a study "REACH and CLP impact on the Defence Sector" for the European Defence Agency (2016) and a legal study on the interpretation of the REACH authorisation status of substances in substances / mixtures for Eurometaux (2018). This provides him with a comprehensive view of different perspectives of the value chain for metals and finished (often very complex) products, as well as related circular economy aspects.

Jean-Marc Brignon

MSc. Jean-Marc had an experience for of 7 years in water pollution management, and then worked on air pollution management at INERIS, where he is currently Head of Economic and Decision Tool Unit at INERIS, and has experience on the implementation of the socio-economic aspects of European Directives and Regulations: REACH Regulation National Emissions Ceilings and IPPC/IED EU Directives, Water Framework Directive. He has carried out or been responsible for a number of studies and European Projects on the cost and benefits to reduce chemical pollution from various different activity sectors. In particular, he worked recently on the socio-economic studies for the management of risks of reprotoxic and endocrine disrupting chemicals (phthalates, Bisphenol A) under REACh, and on potential conflicts between recycling and chemical safety.

He also worked on the socio-economic parts of restriction dossiers on Lead that have been submitted by France under REACH. He has been French expert for several of the European Commission's Technical Working Groups on the Best Available Techniques under the Industrial Emissions Directive. He is currently Member of the Socio-Economic Committee at the European Chemicals Agency, and representing France at the OECD ad hoc working group on hazardous chemicals substitution. He is also Member of the French National Public Health Council (Environmental Risks section) since 2012 and has been member the "REACH" Expert Committee on Chemicals Management at the French National Agency for Food, Environmental and Occupational Health and Safety (ANSES) between 2009 and 2016.

Geert Dancet

Geert Dancet is since January 2018 managing director of Dancet Company which provides strategic advice services to companies, governments and non-governmental organisations on chemicals legislation and competition matters. He is also the Secretary General of the Helsinki Chemical Forum which organises each year a high-level global conference on chemicals safety.

Up to end of 2017 he was the first elected Executive Director of the European Chemicals Agency (ECHA) for two mandates of five years. Under his leadership, the Agency successfully managed all regulatory processes of the REACH and CLP regulations. ECHA has became one of the large-size regulatory agencies of the EU with over 500 staff members in charge of the EU chemicals legislations, including the Biocidal Products and PIC regulations.

The Commission had already nominated him as interim Executive Director in January 2007 in order to set up the Agency in Helsinki. From 2004 to 2007 he was the Head of the REACH Unit in the European Commission's Directorate General for Enterprise and Industry. The unit was co-responsible for taking the REACH proposal through the regulatory process in the Council and the European Parliament as

well as for developing and coordinating the REACH implementation strategy, which included the preparations for the new Chemicals Agency.
He first joined the European Commission in 1986 and worked for most of his Commission career in the competition policy field. Prior to working for the European Commission, Mr Dancet enjoyed a brief academic career in the University of Leuven (Belgium) and was a programme coordinator for the United Nations Industrial Development Organisation (UNIDO) in Colombia.
He studied economics, econometrics and philosophy at the University of Leuven, Belgium. Mr Dancet is married with four children.

Guy Ethier

Over 30 years of experience in the field of Sustainable Development with:

Industries; petroleum, mining and metallurgical;

Governments; industry and environment departments;

Associations; national and international industry associations.

Guy Ethier is a member of Umicore Senior management since 2001. In January 2018, considering the important growth for Umicore of the rechargeable battery materials, the Executive Committee has appointed Guy Ethier as Senior Vice-President in charge of the sustainability aspects of the value chain for rechargeable batteries with a particular focus on cobalt. Guy's responsibilities include representing Umicore at various high-level institutions; including as Chairman of the Cobalt Institute; the steering committee of the World Economic Forum Global Battery Alliance and as a spokesman for sustainability for the Umicore's battery business units. He also supports initiatives that promote the collection and recycling of cobalt-containing devices and will interact with stakeholders on improving the conditions of cobalt extraction.

Prior to his current assignment, Guy Ethier had spent over 15 years as Umicore's Senior Vice-President responsible for Environment, Health and Safety (EHS). Over those 15 years EHS was at the heart of Umicore's transformation with: - annually reporting of non financial data to stakeholders and society; Umicore's 200 million Euros remediation program to erase the historical footprint; as Umicore has transformed significantly over this period, EHS due diligence was an important component of the transformation. Further, Umicore's product stewardship program, including the response to REACH, was also under his responsibility. Beside a team of 50 EHS experts, Umicore EHS network comprise over 200 partners. Finally, as advocacy plays an important role in promoting Umicore's business strategy: (World Business Council for Sustainable Development; BusinessEurop, Eurometaux and the European Precious Metal REACH Consortia).

Background:

Professional Chemical Engineer with senior management training;

Canadian nationality living in Belgium since 2001.

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Enrique Garcia John

Enrique Garcia John works as a policy officer in the REACH Unit of DG GROW. He is a biochemist by training and a EUROTOX registered toxicologist. Prior to joining the European Commission he worked since 1991 in the field of environmental management and of chemicals management. In recent years he has worked extensively in matters related to the Circular Economy and has been directly involved in work leading to the Communication on the interface between chemical, product and waste legislation.

Goldie

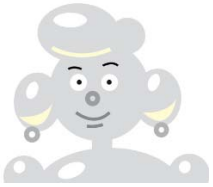
Goldie is born millennia ago. Flakes of gold have been found in Paleolithic caves from 40.000 B.C. Goldie played an important role in all civilisations across the world from pre-Colombian to ancient Greece passing by ancient Egypt or Chinese civilisations. He is still now one of the most valuable metals. Gold is relatively scarce in the earth, but it occurs in many different kinds of rocks and in many different geological environments all around the world. He is a copper by-product. He is mainly used in electronics, jewellery and investment products. Recycled gold accounts for about 1/3 of the gold supply. 90% comes from the jewellery and 10% from industrial goods. Overall recycling rate is >50% when coins and jewellery are taken into account. This rate could significantly increase if all the recyclable goods (e.g.: mobile phones) would be collected.

Egbert Lox

Egbert Lox earned his MSc (1982) and PhD (1987) in Chemical Engineering at the University of Ghent (Belgium).
He joined the central research laboratories of Degussa AG (Germany) in 1987, where he built up the R&D group for automotive emission control catalysts and assumed consecutive management levels in that area till 2006. From 2006 to 2012 he took care of the management of the corporate R&D team of Umicore, which deploys its activities in Belgium and in Germany. Since 2013 he assumes the position of Senior Vice President Government Affairs, based in Umicore's headquarters in Brussels (Belgium).
He is chairman of the Board of Directors of Innotek and represents Umicore in the Board or Executive Committee of several industry associations in Belgium, France, Germany and the EU.
He lectures on automotive emission control catalysts amongst others at the Department of Mechanical Engineering of the Karlsruhe Institute of Technology (KIT) in Germany. In 2015 he was granted the honorary professorship at this university.

He is member of several university advisory councils and served as jury of PhD-Thesis's and scientific awards at universities across the EU. Furthermore he interacts with various Research and Technology organizations (RTO's) by being member of the advisory board and/or strategic evaluation & audit teams. He is author or co-author of about 130 technical papers; he is also co-inventor of more than 90 patents in the field of heterogeneous catalysis and is the co-recipient of the 1998 A.T. Colwell Merit Award of the Society of Automotive Engineers (SAE).
He is a permanent member of the Royal Flemish Academy of Belgium for Sciences and Arts (KVAB) and elected member of the Academia Scientiarum et Artium Europaea (EASA, Salzburg, Austria).

Miss Platina



Miss Platina was officially discovered in Europe in the 18th Century but first occurrences appear in ancient Egypt (1200 B.C.), ancient indigenous population in South America and surfaced in the 16th Century when the Spanish mined Gold and Silver in America. She is a by-product of nickel and copper.

Miss Platina is mainly used in vehicle emissions control devices (e.g.: autocatalysts), electronics, medical applications, jewellery, catalysts for chemicals production and petroleum refining or for investment. She comes from South Africa, Russia, Zimbabwe, Canada and US but she is also recycled in the EU with a high recovery rate of 60%-70% (95% recovery can be achieved when platinum group metal containing scrap is recycled in a state-of-the-art refining facility).

Jody Quirke

Jody Quirke is a Legal and Policy Officer in the Sustainable Chemicals Unit of DG Environment. He joined the Unit in 2014 and is responsible for legal and implementation issues pertaining to REACH registration, data-sharing and the interaction between REACH and waste legislation. Jody is also responsible for providing legal and policy advice on issues pertaining to the POPs and PIC Regulations and aspects relating to chemicals under the Commission's Circular Economy Action Plan. Prior to joining the Commission, Jody worked with the Department of the Environment in Ireland as an EU Presidency Officer with the International Climate Change Unit.

Heinz-Günter Schenzel

40 years of experience in state organization like military, in industry corporation, in family owned company and in associations like the Precious Metal REACh Consortium and the EPMF.

Heinz-Günter Schenzel has studied mechanical engineering at the Helmut Schmidt University in Hamburg as part of the military officers training program starting from 1976. After having had leading positions in the Military Organisation he made his PhD in Chemical Engineering at the Helmut Schmidt University and 1989 transferred into the Industry. At Degussa and at Umicore he has served as Business Unit Manager for 17 years in the Precious Metals Industry, the industry where sustainability and taking care of the working conditions, environmental conditions and the uses with the high values is always in the focus. Since 2008 Heinz-Günter Schenzel has worked in the Company Management of C.HAFNER, being responsible for the strategic, technological and sustainable development of the company in the Precious Metals Industry in Europe, where resources efficiency, recycling, materials safety and substitution of critical substances is always of high priority. Since 2012 Heinz-Günter Schenzel is member of the Management Committee of the European Precious Metal REACH Consortium and has as Co-Chair of the Consortium supported the successful registration of more than 100 substances and UVCB´s. After having finished the registrations there are new challenges to come with the evaluation of the dossiers and the substances and possible restrictions of the uses. Now an even stronger clear focused organization was needed, which was achieved by transformation of the Consortium into the new European Precious Metals Federation as of June 2018. Heinz-Günter Schenzel is now willing to develop the new Federation into a well recognized organization for chemical management and advocacy in the interest of the Precious Metals Industry.

Background:

German nationality, living near to Aschaffenburg, next to Frankfurt/Main.

Chemical Engineer with different management trainings.

Fascination for the nature we are living in and striving for sustainability.

Interested in new technological developments and the dynamic of information technologies and the artificial intelligence influences.

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Silvester

Silvester is born millennia ago. It is difficult to trace his first occurrence. He can be found in all the civilisations all around the world. He can be a by-product of copper, lead and zinc. Silvester is mainly used in electronics, medical applications, catalysts, photography, batteries, alloys and biocides. Overall recycling rate is >50% when coins and jewellery are taken into account. This rate could significantly increase if all the recyclable goods (e.g.: mobile phones) would be collected.

Matti Vainio

Matti Vainio is heading the Risk Management Implementation Unit of the European Chemicals Agency. He is responsible for the application for authorisation and restriction processes, supply chain communication as well as socio-economic analysis and substitution.

Before joining ECHA in 2007 he worked for 10 years in the European Commission developing cost-effective environmental policies to on air quality, transport and climate change issues. Earlier he worked in the United Nations, Finnish Foreign Ministry as well as a consultant. He holds a Ph.D. degree in Economics.

Julia Verhoeven

Julia Verhoeven works for Bureau REACH of RIVM. The organization that is responsible for the coordination of the implementation of REACH in the Netherlands. As senior policy advisor chemical substances and socio-economic analysis (SEA) of bureau REACH, Julia is responsible for the coordination of SEA-REACH related activities in the Netherlands. As such, she is also involved in the development of (socio-economic) assessment frameworks for the context of hazardous substances and material recycling in a circular economy.

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Hugo Waeterschoot

Hugo Waeterschoot has an educational background in ecotoxicology and environmental law from Ghent University as well as an business management degree from Vlerick management school.

He had more than 15 years of experience in industry on chemicals management aspects before joining Eurometaux, first as EHS director and later as REACH Advisor.

He followed and was closely engaged in REACH and CLP from the policy discussions in 2002 until now whereby he presently represent the metals and inorganic sector as an observer in 2 key ECHA-REACH committees: the Member State Committee and the Socio-economic Committees. Both deal with various aspects of the evaluation, restriction and authorisation scheme. Hugo is also active at the OECD-BIAC chemicals group, the industry group overseeing the chemicals management activities of the OECD and is involved in the GHS guidance development for metals and inorganics.