



**MINUTES**  
**BOARD OF DIRECTORS' MEETING BY CONFERENCE CALL**  
**INTERNATIONAL CADMIUM ASSOCIATION**  
**Friday, January 8, 2010 – 1500 Hours (3:00 PM) Brussels Time**

**1. CALL TO ORDER**

The conference call of the Board of Directors of the International Cadmium Association was called to order by the Chairman, Emil Josendal, of Boliden at 3:05 PM (Brussels Time). Those participating in the Board of Directors Conference Call included the following:

**REPRESENTATIVE**

Colin Thirlaway  
Laurent Smits (Proxy to Eric Nottez)  
Emil Josendal  
Anne Dekker  
Mark Booth  
Patrick de Metz  
Mike Takao (Proxy to Patrick de Metz))  
Eric Nottez

**MEMBER COMPANY**

Black & Decker  
Floridienne Chemie  
Boliden for IZA  
Nystar NV for IZA  
Rockwood Pigments (UK) Limited  
SAFT  
Sanyo  
SNAM

**STAFF AND GUESTS**

Stephen Wilkinson  
Frank Van Assche  
Andrew Green  
Christian Canoo  
Hugh Morrow

**ORGANIZATION**

International Zinc Association  
International Zinc Association  
International Zinc Association  
International Cadmium Association  
International Cadmium Association

**2. MEETING AGENDA AND STATEMENT OF COMPLIANCE**

The complete presentation of all materials presented during the conference call is attached to these Minutes as Annex I. The agenda for the conference call is shown as Slide 2 in Annex I. Christian Canoo reviewed the planned meeting agenda and asked if there were any additional items any Board Member wished to add to the agenda. No additional items were introduced. Mr. Canoo also noted that eight of the association's ten Directors were present or represented by Proxy and that therefore a quorum was established for the transaction of business.

Chairman Emil Josendal then read and reviewed the Statement of Compliance for the conduction of the Association's meetings under Belgian law. This Statement of Compliance is shown on Slide 3 of Annex I. For the convenience of ICdA Members, a Glossary of Acronyms and Abbreviations utilized in these Minutes is also attached as Annex II.

### **3. APPROVAL OF THE MINUTES OF THE JULY 27, 2009 BOARD MEETING**

General Manager Christian Canoo review the Minutes of the ICdA Board of Directors' Meeting held on July 27, 2009 by conference call and the main items of business decided by that meeting (see Slide 4 of Annex I). These Minutes were previously issued to the ICdA membership in August 2009. Hugh Morrow noted that no additions or corrections to these Minutes had been received.

**Upon motion duly made by Colin Thirlaway, seconded by Mark Booth, and unanimously approved by the Board of Directors, the Minutes of the July 27, 2009 Board of Directors meeting were approved as issued.**

### **4. REVIEW OF THE ASSOCIATION'S FINANCIAL ACCOUNTS**

General Manager, Christian Canoo, reviewed the final accounts for 2009 and compared them with the planned budgets for 2010, 2011 and 2012. These plans and accounts were presented for information at this meeting and are shown in Slide 6 of Annex I. The Final Accounts for the year 2009 were presented for information and will be formally approved by the ICdA General Assembly of Members in October 2010 in London. The 2009 accounts show income of 178,494 Euros against total expenses of 170,297 Euros for a surplus of 6,650 Euros for the year. As a result the Fund Balance carried forward into 2010 was 170,151 Euros. Higher expenditures are planned for 2010, 2011 and 2012 so that this fund balance in future years will decrease to approximately 80,000 Euros by the end of 2012, which figure however is still well above the minimum fund balance figure of 50,000 Euros which the Association has informally adopted in recent budget planning.

The question was raised as to whether, in light of the Association's decreasing fund balance, and the fact that ICdA had not changed its subscription fees in several years, consideration should be given to an adjustment in subscription fees to offset increased activities and costs. There appeared to be a general consensus that the Association should strive for balanced yearly budgets, thus maintaining its Fund Balance. The Chairman advised that the questions of balanced budgets and increased subscription fees would be raised and discussed at the next General Assembly of Members in October 2010 in London.

### **5. MEMBERSHIP REPORT**

Christian Canoo presented a brief update (see Slide 7 of Annex I) on the International Cadmium Association's membership as of January 2010. During 2009, Enersys/GAZ joined ICdA, and since the General Assembly in October 2009, Accurec GmbH and 5N-Plus have also joined the association. Accurec is a recycler of nickel-cadmium and other rechargeable batteries that is located in Germany. 5N-Plus is a manufacturer of high-purity cadmium compounds such as cadmium telluride for use in photovoltaic applications. The Board of Directors welcomed these new members and noted with approval that the association's membership was once again increasing. Christian Canoo noted that the ICdA Membership now stood at 15 members. The question was raised regarding First Solar's participation in the association as they had been a member in the past and had attended ICdA meetings in recent years. It was stated that First Solar

had declined to become a member of ICdA because they felt it might lead to adverse publicity for their company and products.

## **6. REPORT ON EUROPEAN UNION REGULATORY ISSUES**

Dr. Christian Canoo summarized activities in European Union regulatory issues in the past few months since the October 2009 General Assembly of Members. The areas included the activities of the Health & Safety (H&S) Committee, ICdA's response to the document issued by the Subcommittee on Occupational Exposure Levels (SCOEL), ICdA's response to the RPA Report for the European Commission on proposed prohibitions on certain cadmium-containing products (brazing alloys, cadmium in jewelry, and recycled PVC), and the current status of the Cadmium REACH Consortium. His report is shown on Slides 8 through 22 of Annex I attached.

*Activities of the Health & Safety Committee* – Christian Canoo and H&S Committee Chairman, Patrick de Metz, reviewed the activities of the Committee in 2009 and those planned for 2010. These activities are summarized in Slide 9 of Annex I attached. Three meetings were held in 2009 to discuss various aspects of occupational exposure control and medical surveillance of cadmium-exposed workers in cadmium plants in Europe. These included exchanges of information and attempts to work towards industry-wide policies in air quality control, bio-monitoring medical surveillance, collection of data, and hygiene procedures. They also included a meeting with a Swedish regulator and well-known authority on cadmium health effects, and the utilization of an outside consultant. Meetings of the H&S Committee are now scheduled for June and October of 2010.

*Response to the Subcommittee on Occupational Exposure Level (SCOEL) Cadmium Proposal* – Christian Canoo reviewed the occupational exposure levels (OELs) and biological limit values (BLVs) for cadmium set by SCOEL during its recent meetings, and how these values have resulted in the Summary Document (SUMDOC) proposal for an OEL of 4 µg/m<sup>3</sup> based on the respiratory fraction and a BLV for cadmium-in-urine of 2 µg cadmium per gram creatinine based on nephro-toxicity endpoints. These activities are summarized in Slides 11 and 12 of Annex I.

It was further reported that an ICdA delegation consisting of Patrick de Metz of SAFT, Christian Canoo of ICdA, Maria Kokkinou-Boege of EU MAP Consulting Ltd. and Professor Alfred Bernard of the Catholic University of Louvain met with the SCOEL Secretariat on November 30, 2009 in Luxembourg to discuss the SCOEL proposal and some recent research Professor Bernard has conducted on cadmium-exposed workers. ICdA argued that the SCOEL BLV for cadmium-in-urine of 2 µg cadmium per gram creatinine was too low, was over-protective, and left little room for risk management systems at plants. Bernard's paper on his research is currently in the process of being submitted for publication in a peer-reviewed journal but this process could take up to six months. It was further noted by the delegation that the proposed respirable OEL value of 4 µg/m<sup>3</sup> did not take into account the insolubility of certain cadmium compounds such as pigments based on cadmium sulfide. The detailed written comments of the International Cadmium Association on the SCOEL Cadmium SUMDOC are attached to these Minutes as Annex III.

The point was raised whether ICdA should be meeting with SCOEL at this point or should be meeting with the European Commission to voice their objections to the SCOEL SUMDOC. It was felt that SCOEL has now already made its report and the only influence ICdA can have in this regard is through the various branches of the European Commission.

*ICdA Response to RPA Ltd. Report on Further Restrictions on Cadmium Products* – Christian Canoo reported on a study being prepared by RPA Ltd. (formerly Risk Policy Analysts Ltd.) for the European Commission (DG – Enterprise) on assessing the impacts of restrictions on the marketing and use of cadmium in brazing alloys, jewelry and recycled polyvinylchloride (PVC). ICdA has formulated a number of comments on the RPA report regarding cadmium's health effects and RPA's methodology of determining the extent of cadmium usage in these three application areas, and is trying to organize a meeting with RPA in January to discuss these comments. The association has also developed an updated cadmium mass flow balance sheet for Europe based on the EU Cadmium Risk Assessment. Information on the RPA activities is summarized in Slides 14 and 15 of Annex I attached.

*Cadmium REACH Consortium* – Christian Canoo reviewed the status of the activities of the Cadmium REACH Consortium. His presentation is shown as Slides 16 through 22 of Annex I attached. He noted the registration requirement deadlines for various cadmium compounds based on their production volumes and stated that some questions remain on some compounds, i.e. whether they will have to be registered by December 2010 (>1000 t production), June 2013 (>100 t production) or June 2018 (>1 t production). While cadmium metal, cadmium oxide, and cadmium carbonate (all classified as CMRs) and cadmium sulphide (not a CMR but >1000 t production) are all listed for registration by December 2010, Cd(S,Se) and (Cd,Zn)S (not CMR but >100 t production) by 2013 and CdTe by 2018, there is some uncertainty about the production volumes of cadmium hydroxide and cadmium nitrate and therefore the dates by which they must be registered. They must be registered by 2013 if their production >100t/y, otherwise by 2018.

The work in the coming months will continue to concentrate on the gathering of data for the cadmium reference files in the correct IUCLID formats, to draft the major CSA/CSR dossiers and to read-across to the other Cd-substances dossiers.

## **7. NORTH AMERICAN AND INTERNATIONAL CADMIUM ISSUES**

Hugh Morrow updated regulatory affairs issues in North America and the international arena since the ICdA General Assembly of Members held in October 2009 in London. His presentation is shown in Slides 23 through 26 of Annex I attached.

*North American Cadmium Issues* – The US Environmental Protection Agency is continuing its efforts to modernize and update the 1976 Toxic Substances Control Act (TSCA) with more modern chemical risk management systems designed to include all new and existing substances and be based on up-to-date scientific information. Their latest press release emphasizes the use of toxics in consumer products, the presence of toxics in human blood, the chemical's PBT (persistence, bioavailability and toxicity) characteristics, its overall comparative toxicity, and its production volume. Currently, however, most emphasize on toxics regulation in the United States has been on mercury, lead and arsenic and their presence in consumer products.

Under US State activities, it was noted that the Oregon Department of Environmental Quality (DEQ) continues to list cadmium on its Priority Toxics Focus List, and considers it a top household hazardous waste, mainly because of its presence in NiCd batteries. It was also reported that Denmark and California have agreed to exchange environmental, human health and regulatory information. Both jurisdictions have well-known anti-cadmium positions.

It was also noted that the Integrated Risk Information System's (IRIS) Update on Cadmium is reportedly in the process of revision. However, no draft of the update has yet been issued. The expected issue date according to the EPA schedule is between April and June 2010.

*UNECE Convention on Long Range Transboundary Air Pollution Heavy Metals Protocol* – It was reported that the Executive Body met in Geneva, December 14-18, 2009, and discussed several issues with regard to the Heavy Metals Protocol. It was decided that the Task Force on Heavy Metals (TFHM) would continue their work in 2010 to make technical recommendations for adding six classes of mercury-containing products (batteries, gauges, fluorescent lamps, dental amalgams, electrical and electronic equipment and vehicles) to the mandatory prohibitions of Annex VI of the Protocol. At present, only lead in gasoline and mercury in primary batteries are included in the mandatory prohibitions of Annex VI.

The Executive Body also referred three proposals by the European Union, Sweden and Switzerland to the Working Group on Strategies and Review (WGSR) for continued negotiation during 2010. The EU proposal is to adjust the time-scales for implementation of the Protocol to accommodate countries in Eastern Europe, the Caucasus, and Central Asia (EECCA). This proposal is supported by the USA, Canada and Industry, and is expected to be readily accepted. The Swedish proposal is to add new source categories and to change the BATs and ELVs in the Protocol in accordance with the recent Sufficiency & Effectiveness (S&E) Review. The new source categories which have been proposed so far do not appear to be problematic, but some of the BATs and ELVs reported could be difficult or impossible to achieve. The Swiss proposal to amend Annexes I through VII of the Protocol based on the Sufficiency & Effectiveness Review would appear the most problematic in that it might allow the proposal of any of the numerous conclusions in the S&E Review. The Swiss proposal will probably be the most controversial and the most difficult one on which to negotiate any progress.

*UNEP Heavy Metals Programs* – Hugh Morrow reported on the status of the three programs on heavy metals that are currently underway. On the UNEP Scientific Review on Cadmium, the last draft issued was in November 2008, and no further drafts have been issued nor any communications received regarding ICdA's comments or direct letter to the UNEP Secretariat. At the UNEP Governing Council (GC) meeting in Nairobi in February 2009, the GC asked the Executive Director to report again at the February 2011 Governing Council meeting on the status of this report.

The UNEP report prepared by the Department of Trade, Industry and the Environment (DTIE) on trade in lead and cadmium products in Africa has received no additional attention. There has been no official UNEP reaction to ICdA's comments, but we have received private comment from USA and Canada that they feel that the report will have to be revised.

The UNEP report, "The Recycling of Metals: A Status Report," has apparently been completed and submitted to UNEP. The ICdA's comments on the cadmium recycling section were incorporated into this report, and the final report is expected to be issued by the end of February 2010.

## **8. EIGHTH INTERNATIONAL CADMIUM CONFERENCE**

At the October 2009 General Assembly of Members, approval was given to proceed with the organization and planning of an Eighth International Cadmium Conference. The proposed venue is Shanghai, China in April 2011, and a two to three day conference with between 200 and 300 attendees is envisioned. Income from the conference should balance expenses. Originally, a

complete program covering all aspects of cadmium from applications to supply and demand to health effects and regulations was planned. However, in staff discussions in recent months, it has become evident that the subject of greatest importance to the cadmium industry today is the risk management of cadmium, particularly in areas like China where there is currently considerable adverse publicity. Therefore, it has been decided to refocus the theme of the conference and better define the target audience, and to establish a Conference Program Committee to accomplish those objectives. Those initially “volunteering” to serve on this committee include:

Emil Josendal – Boliden  
Patrick de Metz – SAFT  
Eric Nottez – SNAM / Floridienne  
Frank Van Assche – International Zinc Association  
Annette Huang – International Zinc Association (Shanghai)  
Craig Boreiko – International Lead Zinc Research Organization  
Christian Canoo – International Cadmium Association  
Hugh Morrow – International Cadmium Association  
Noomi Lombaert – International Cadmium Association

## **9. UPCOMING MEETINGS**

Christian Canoo announced that upcoming meetings of the International Cadmium Association would be held as follows:

- Health & Safety Committee - Tuesday, June 8<sup>th</sup>, 2010. Location to be determined.
- Health & Safety Committee – Tuesday, October 19<sup>th</sup>, 2010. Location to be determined.
- Executive Committee – April 2010. To be determined by Committee Members.
- Board of Directors Teleconference – Tuesday, June 29<sup>th</sup>, 2010.
- General Assembly of Members – Thursday, October 14<sup>th</sup>, 2010, 1300 Hours (1:00 PM)  
Royal Aeronautical Society  
4 Hamilton Place  
London W1J 7BQ, UNITED KINGDOM

## **10. ADJOURNMENT**

With no further business before the meeting, Chairman Emil Josendal adjourned the meeting at 1630 Hours (4:30 PM) Brussels Time.

Respectfully Submitted,

Hugh Morrow  
Secretary, Pro-Tempore

Approved,

Emil Josendal  
Chairman



## ICdA - Board meeting

8 January 2010, 3pm

*For the meeting, link to*  
<https://www1.gotomeeting.com/join/174010833>

*For audio, dial +32 2 80 80 985, and further  
room n° \*3208994#*

BM 08 Jan 10



1

### Agenda

- Introduction by the chairman & statement of Compliance
- Approval of the minutes Board meeting July 27, 2009
- First review of the 2009-accounts and update of the 2010-2011-P&L
- Update on the EU-regulatory issues
  - Update of the H&S-meetings
  - Follow-up comments on SCOEL Sumdoc
  - Follow-up and comments on provisional report from RPA consulting
  - Status REACH-files
- Regulatory affairs report North-America / International programs
  - North-American Cd-issues
  - UNECE LRATP Task force report
  - UNEP reports and planning forward
- Next Meeting Date, in June?

BM 08 Jan 10



2

## STATEMENT OF COMPLIANCE

- The purpose of the meeting is to address, under the applicable confidentiality rules, issues concerning Cadmium and Cadmium compounds producers and importers and more particularly their obligations under the several regulations.
- The minutes kept during the meeting will have to reflect all significant matters discussed during the meeting.
- No discussions will be held, formally or informally, during specified meeting times or otherwise, involving, directly or indirectly, express or implicit agreements or understandings related to: (a) any company's price; (b) any company's terms or conditions of sale; (c) any company's production or sales levels; (d) any company's wages or salaries; (e) the division or allocation of customers or geographic markets; or (f) customer or suppliers boycotts; or (g) any disclosure of information which may affect applicable rules on Competition Law.
- The International Cadmium Association (ICdA), as a group will make no recommendations of any kind and will not try to reach any agreements or understandings with respect to an individual company's prices, terms or conditions of sale, production or sales levels, wages, salaries, customers or suppliers.

BM 08 Jan 10



## Approval of the minutes – Board meeting 27 July 2009

- Call to order (10/10 directors attending or represented) and reminder of statement of Compliance
- Review and approval of the minutes of the Board meeting of February 19<sup>th</sup>
- Review of the final accounts of 2008; they have to be proposed for approval by the General Assembly in October
- Update of the H&S-meetings; discussions points focused on:
  - ✓ Collection of data to feed RPA-Consulting (working on a report on the effectiveness of a ban of Cd-brazing sticks in jewellery)
  - ✓ How to prepare ourselves for a response to the imminent SCOEL document.
  - ✓ A shorter, user-friendly version of the "ICdA-Guidance" should be planned for end of 2010
  - ✓ An International Conference should be planned for early 2011
- Review of the REACH Consortium activities
- Review of North-American regulations: ChAMP, IRIS revision
- Update on the Cd-International issues: UNEP / UNECE
- Next Meeting: Board on December 10<sup>th</sup> , rescheduled on January 8<sup>th</sup> 2010

BM 08 Jan 10



## Review of 2009 - accounts

BM 08 Jan 10



### Accounts 2009 & Update P&L 2010-2012

	P&L End 2009	2010Plan	2011Plan	2012Plan
<b>STAFFING</b>				
Staff	102.297	117.530	117.530	117.530
Scientific Support - Health /	17.428	20.000	20.600	
External support - Communication	0	20.000	20.000	20.000
Secretariat / Administration /	8.334	10.815	11.139	11.474
<b>Total Staff Costs</b>	<b>128.059</b>	<b>168.345</b>	<b>169.269</b>	<b>149.004</b>
<b>OPERATIONS</b>				
<b>Total Operation Costs</b>	<b>42.238</b>	<b>47.063</b>	<b>48.476</b>	<b>49.930</b>
<b>TOTAL Staff &amp; Operational COSTS</b>	<b>170.297</b>	<b>215.409</b>	<b>217.745</b>	<b>198.934</b>
<b>SPECIAL STUDIES</b>				
<b>TOTAL EXPENSES</b>	<b>171.844</b>	<b>215.409</b>	<b>217.745</b>	<b>198.934</b>
<b>TOTAL SUBSCRIPTION INCOME</b>	<b>178.494</b>	<b>181.327</b>	<b>181.327</b>	<b>181.327</b>
<b>YEAR SURPLUS / (LOSS)</b>	<b>6.650</b>	<b>-34.082</b>	<b>-36.418</b>	<b>-17.607</b>
<b>FUND BALANCE</b>	<b>170.151</b>	<b>136.069</b>	<b>99.651</b>	<b>82.044</b>

BM 08 Jan 10



## Updated Membership 2010

1. ACME Aerospace Inc. - Ni-Cd Battery manufacturer
2. [Accurec](#) - Ni-Cd Battery recycler
3. Black & Decker - Article-user > Ni-Cd Battery user
4. EnerSys / Gaz - Ni-Cd Battery manufacturer
5. Floridienne Chimie - Cd compounds manufacturer
6. Hoppecke - Ni-Cd Battery manufacturer
7. Inmetco - Ni-Cd Battery recycler
8. IZA - Zinc Association representing Cd producers
9. JMIA - Japanese Association > Miners & smelters
10. James M Brown - Cd pigment manufacturer
11. [5N-Plus](#) - Cd-compounds for Photovoltaic applications
12. Rockwood pigments - Cd pigment manufacturer
13. Saft Batteries - Ni-Cd Battery manufacturer & recycler
14. Sanyo - Ni-Cd Battery manufacturer
15. Snam - Ni-Cd Battery recycler

BM 08 Jan 10



## Update on the EU-regulatory issues

- H&S Committee
- Response to SCOEL Document
- Response to RPA document
- Cd REACH Consortium



BM 08 Jan 10



## We had interesting H&S meetings in 2009

- H&S Committee met three times in 2009:
  - 1<sup>st</sup> meeting: > Air quality control
  - 2<sup>nd</sup> meeting: > with plant physicians and two invitees: Dr Leif Aringer, a Swedish regulator and the epidemiologist Dr L. Järup
    - ✓ With i.e. discussions on the bio-monitoring surveillance and launching of an Observatory of Cd Bio-monitored data OCdBIO (~20 sites sent their data)
  - 3<sup>rd</sup> meeting: Individual & collective hygiene procedures
    - ✓ Introduction of Mr Mario Gomez, our new coach for those H&S-meetings
    - ✓ Preparation of an answer to the document of the SCOEL (SUMDOC)
- The meetings 2010 were scheduled for February, June and October
  - 1<sup>th</sup> meeting 2010 will have to be re-scheduled on June 8th, on the practical implementation of the medical surveillance procedure

BM 08 Jan 10

9



## Update on the EU-regulatory issues

- H&S Committee
- Response to SCOEL Document
- Response to RPA document
- Cd REACH Consortium



BM 08 Jan 10

10



To set at community level, Occupational Exposure Limit (OEL)  
& Biological Limit Values (BLVs) for Cadmium

69<sup>th</sup> meeting: OEL (respiratory): 10 µg/m<sup>3</sup>;

BLV (nephrotox): ± 2 µg Cd/g creatinine

70<sup>th</sup> meeting: OEL (respiratory): 4 µg/m<sup>3</sup>;

BLV (nephrotox): 2-5 µg Cd/g creatinine

71<sup>th</sup> meeting:- possibly oestrogenic effect of Cd

- predominantly "indirect" genotoxic effect Cd?

### **SUMDOC**

- OEL (respiratory): **4 µg/m<sup>3</sup>**

- BLV (nephrotox): **2 µg Cd/g creat.**

BM 08 Jan 10

11



## After internal discussions and preparations, we met SCOEL-secretariat at Luxemburg

- An ICdA delegation met SCOEL-secretariat at Luxemburg on November 30<sup>th</sup>, closing day of the public consultation period: Maria Kokkinou, Patrick de Metz, prof. Bernard, Christian C
- The points we wanted to highlight were developed and submitted in writing:
  - ✓ According recent data (biggest cohort workers ever) and analysis, prof. Bernard showed the value of 2µg/ g creat. was over-protectively low and leaves not much room for appropriate risk management system. A paper has been presented for publication and has been presented to SCOEL for consideration.
  - ✓ The non-classification of some Cd-compounds (pigments) is not properly taken into account when defining respirable OEL at 4 ug/ m<sup>3</sup>
- No formal feedback from the SCOEL-meeting of December but we think:
  - ✓ the file is still open at SCOEL
  - ✓ Prof. Bernard will be invited to elaborate on his recent paper during a meeting in 2010, probably with new SCOEL-members

BM 08 Jan 10

12



## Update on the EU-regulatory issues

- H&S Committee
- Response to SCOEL Document
- Response to RPA document
- Cd REACH Consortium



BM 08 Jan 10

13



## Comments to the draft report RPA is still in preparation

- A study has been mandated by DG-Enterprise to RPA-Consulting, aiming at assessing the impacts of the restrictions on the marketing and use of cadmium as they appear on Annex XVII of the REACH Regulation:
  - ✓ Cd production and usage within the EU,
  - ✓ Current restrictions on Cd usage within the EU,
  - ✓ More detailed data for the uses where further restrictions are being considered :  
(1) brazing alloys, (2) jewellery and (3) recycled PVC
  - ✓ Socio-economic impacts of restrictions of a number of policy options
  - ✓ Effectiveness of risk reduction from health and environmental perspectives
- We would like to organize a meeting with DG-Enterprise, in January, to comment and deliver written comments on the RPA-report:
  - Questioning the threshold / non-threshold status for CMR- Cd compounds: nothing in the Risk Assessment and basic conclusion of our Reach-dossiers (ToxMinds is consulted)
  - Referring to SCOEL summary about carcino- and geno-toxicity
  - Questioning methodology / reasoning about referenced data (missing annexes)

BM 08 Jan 10

14



# Update on the EU-regulatory issues

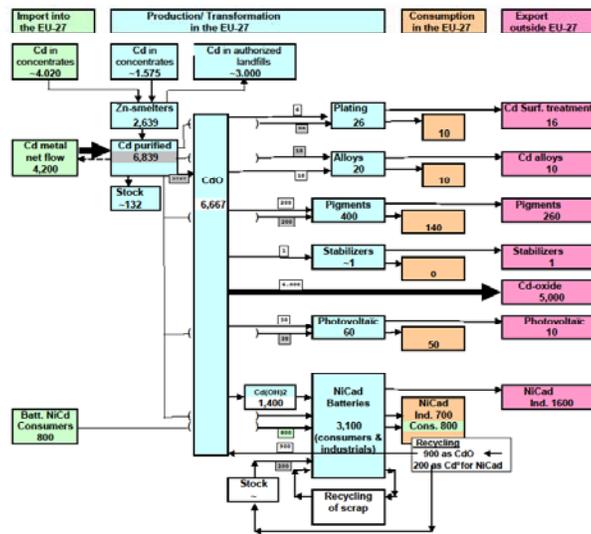
- H&S Committee
- Response to SCOEL Document
- Response to RPA document
- Cd REACH Consortium



BM 08 Jan 10



An update of the Cadmium mass-flows from the RA (2002-2003) has been proposed



Cadmium mass balance flow in the EU-27 (reference 2007-2008) updated document prepared originally by ICdA, IZA and Recharge in the frame of the RA/RRS (reference years 2002-2003)

## Update on the EU-regulatory issues

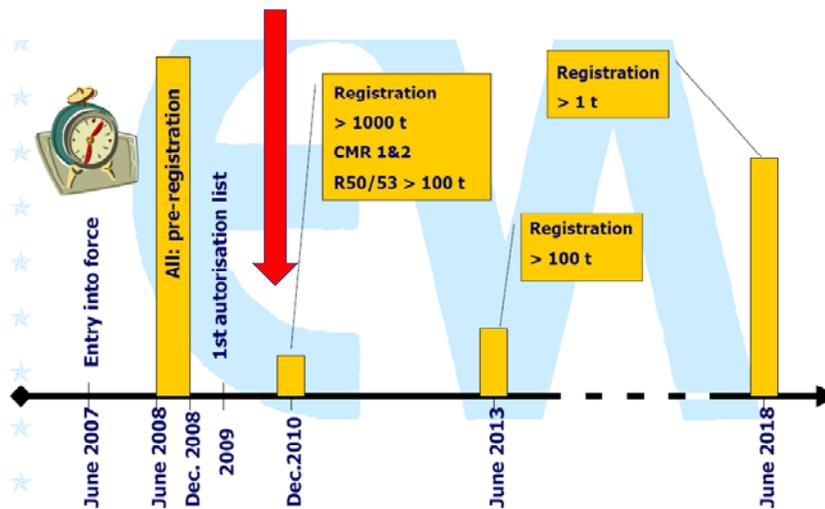
- H&S Committee
- Response to SCOEL Document
- Response to RPA document
- Cd REACH Consortium



BM 08 Jan 10

17 

For preparation of REACH, a Cadmium Consortium was created in July 2007



BM 08 Jan 10

18 

## The Cadmium-Consortium counts now 25 Members

<b>25 Members</b>	Cd I	Cd II	Cd III	~55 Legal entities
5N PV GmbH	x	x	x	Photovoltaic
AMI DODUCO GmbH		x		
BOCHEMIE a.s.		x		Cd-comp. Manuf. / Recycler
BOLIDEN AB	x			Cd-producer
CERAC Inc.		x		Cd-comp. Manuf.
FLORIDIENNE CHIMIE	x	x		Cd-comp. Manuf. / Recycler
H. C. MIASTECZKO SLAKIE	x			Cd-producer
JAMES M. BROWN Ltd		x	x	Pigment manuf.
JSC Chelyabinsk Zinc Plant	x			Cd-producer
KCM 2000 S.A.	x			Cd-producer
KOREA ZINC	x			Cd-producer
LN Metals Ltd.	x			Trader
NYRSTAR S.A.-N.V.	x			Cd-producer
PORTOVESME s.r.l.	x			Cd-producer
RECYLEX S.A.		x		Photovoltaic
ROCKWOOD PIGMENTS		x	x	Pigment manuf.
SAFT S.A.	x	x		NiCad-battery
SOUTHERN COPPER CORP.	x			Cd-producer
TECK COMINCO Limited	x			Cd-producer
TODINI & Co, SPA	x	x		Trader
TRAXYS	x			Trader
UMICORE	x	x	x	Recycler / Photovoltaic
VOTORANTIM METAIS ZINCO sa.	x			Cd-producer
XSTRATA ZINC GmbH	x			Cd-producer
ZM SILESIA SA				Cd-comp. Manuf. / Recycler

BM 08 Jan 10

19



## Here are the Substances for which a Registration file will be prepared targeting Q3-2010

	<u>EINECS</u>
<input type="checkbox"/> Cadmium metal	231-152-8
<input type="checkbox"/> Cadmium Oxide	215-146-2
<input type="checkbox"/> Cadmium Hydroxide (?)	244-168-5
<input type="checkbox"/> Cadmium nitrate (?)	233-710-6
<input type="checkbox"/> Cadmium carbonate	208-168-9 298-586-8
<input type="checkbox"/> Cadmium sulphide	215-147-8
<input type="checkbox"/> Cd sulphoselenide (2013)	235-758-3 261-218-1
<input type="checkbox"/> Cd Zn sulphide (2013)	232-466-8
<input type="checkbox"/> Cd telluride( ? 2018)	215-149-9
 Cadmium Sulphate	 233-331-6

BM 08 Jan 10

20



## Report on the several SIEF's vs. Consortium

<u>Substances</u>	<b>9/10 Confirmed Legal Entities Consortium</b>	Pre-registrants	<b>Confirmed non-Consortium Registrants</b>
<b>Cd</b>	<b>32</b>	607	<b>35</b>
<b>CdO</b>	<b>8</b>	233	<b>6</b>
<b>Cd(OH)2</b>	<b>4</b>	76	
<b>Cd(NO3)2</b>	<b>3</b>	55	<b>2</b>
<b>CdCO3</b>	<b>6</b>	98	<b>2</b>
<b>CdS</b>	<b>6</b>	257	<b>7</b>
<b>Cd.Zn.S</b>	<b>5</b>	58	<b>2</b>
<b>Cd.S.Se</b>	<b>5</b>	114	<b>3</b>
<b>CdTe</b>	<b>6</b>	35	<b>4</b>
<b>CdSO4</b>	<b>4</b>	54	<b>2</b>

BM 08 Jan 10

21



## SIEF communications

- A mass mailing has been sent before Christmas in order to confirm the candidate lead registrants
- The web site has been updated with a SIEF page
  1. SIEF substances
  2. Candidate lead registrants' list
  3. Identification of uses
  4. Information on letter of access
- The REACH web sites are currently being revised to become dynamic and easier to update

BM 08 Jan 10

22



## Workplan: H1-2010 ⇒ September

- Cd reference file: by end Q1'10
  - Data entry IUCLID V
  - CSA /CSR draft
  - Classifications for all Cd compounds
- H1 - 2010
  - ⇒ read-across between reference file and other Cd-substance files
  - Final mapping of all identified usages (+ exposure scenario's)
  - Inclusion of follow-up studies, general finalisation (ES, ...)

BM 08 Jan 10

23 

# **Regulatory Affairs Report International and North America**

BM 08 Jan 10

24 

## North American Cadmium Issues

- EPA Revision of Toxic Substances Control Act (TSCA)
  - Evaluating Initial Set of Chemicals for Action Plans
    - ✓ Based on Use in Consumer Products
    - ✓ Presence in Human Blood
    - ✓ PBT Characteristics
    - ✓ Toxicity
    - ✓ Production Volume
- Oregon DEQ Priority Toxics Focus List
  - Cadmium 3<sup>rd</sup> Priority after Mercury and Arsenic
  - Considered a Top Household Hazardous Waste
- Emphasis on Mercury, Arsenic and Lead Reduction and Regulations, Especially in Consumer Products
- Denmark and California Agree to Exchange Environmental, Human Health and Regulatory Information
- IRIS Update on Cadmium 2009 – 2011
  - Draft Expected by April 2010

BM 08 Jan 10

25



## UNECE LRTAP TFHM

- Executive Body Meeting in Geneva, December 14-18
- EU Proposal Considered to Add Mercury-Containing Products to Mandatory Restrictions of Annex VI
- EU Proposal Considered to Adjust Time Scales to Accommodate EECCA Nations
- Swedish Proposal to Add New Source Categories and Change BATs and ELVs
- Swiss Proposal to Amend Annexes I – VII Based on the Sufficiency & Effectiveness Review

BM 08 Jan 10

26



## UNEP Heavy Metals Programs

- Scientific Review on Cadmium
  - No Further Drafts Issued
  - Report on Scientific Review by Executive Director Due to UNEP Governing Council Meeting in Nairobi in February 2011
- DTIE Report on Trade in Lead and Cadmium Products in Africa
  - No Official Reaction to ICdA Comments
  - Private Statements from US, Canada that the Report will have to be Revised.
- The Recycling of Metals: A Status Report
  - ICdA's Comments were Incorporated
  - UNEP is now reviewing the report
  - Final Report expected by end of February

BM 08 Jan 10

27



We still need to progress on the target audience and content of the next Cadmium Conference

BM 08 Jan 10

28



## Tentative & preliminary details

- ❑ Proposed Venue: Shanghai, China
- ❑ Proposed Date: April 2011
- ❑ Anticipated Attendees: 200 – 300
- ❑ Length: Two and a Half to Three Days
  
- ❑ Organizational Committees:
  - Program Committee
  - Arrangements Committee
  - Publications Committee
  
- ❑ Costs
  - Should at least be balanced with income fees.

BM 08 Jan 10

29



## Next meetings

- ❑ The next H&S meetings are fixed on June 8<sup>th</sup> and October 19<sup>th</sup>
- ❑ The next ExCom-meeting will be proposed by the "ExCom"-members, ... in April .
- ❑ The next Board meeting might be scheduled on **June 2010, 29<sup>th</sup>**
- ❑ The next GA is fixed on October 14<sup>th</sup>, London

BM 08 Jan 10

30





## GLOSSARY OF ACRONYMS AND ABBREVIATIONS

<b>ACGIH</b>	American Conference of Governmental Industrial Hygienists
<b>ATSDR</b>	Agency for Toxic Substances and Disease Registry (USA)
<b>BAT</b>	Best Available Technology
<b>BI</b>	Biological Indicator(s)
<b>CDC</b>	Center for Disease Control (USA)
<b>ChAMP</b>	Chemicals Assessment and Management Program (USEPA)
<b>COM</b>	Council of Ministers (EU)
<b>CMR</b>	Carcinogenic, Muta-genetic and Reproductive Toxicant
<b>CSA</b>	Chemical Safety Assessments
<b>CSR</b>	Chemical Safety Report
<b>DG</b>	Directorate General
<b>DTIE</b>	Division of Trade, Industry and Economics (of UNEP)
<b>DU</b>	Downstream User
<b>EB</b>	Executive Body (of the UNECE LRTAP Treaty)
<b>EC</b>	European Commission
<b>ECHA</b>	European Chemicals Agency
<b>EEE</b>	Electrical and Electronic Equipment
<b>EINECS</b>	European Inventory of Existing Chemical Substances
<b>ELV</b>	Emission Limit Value
<b>EPA</b>	Environmental Protection Agency (United States)
<b>EU</b>	European Union
<b>FAO</b>	Food and Agricultural Organization (United Nations)
<b>GA</b>	General Assembly of Members of the International Cadmium Association
<b>GACT</b>	Generally Available Control Technology
<b>GC</b>	Governing Council (of the United Nations Environment Program)
<b>HM</b>	Heavy Metals
<b>H&amp;S</b>	Health and Safety Committee of International Cadmium Association
<b>IARC</b>	International Agency for Research on Cancer
<b>ICCM</b>	International Conference on Chemicals Management (of SAICM)
<b>ICMM</b>	International Council on Metals and Mining
<b>ICdA</b>	International Cadmium Association
<b>IFCS</b>	Intergovernmental Forum for Chemical Safety
<b>ILA</b>	International Lead Association
<b>IOMC</b>	International Organization for Management of Chemicals
<b>IPSRM</b>	International Panel for Sustainable Resource Management (of UNEP)
<b>IRIS</b>	Integrated Risk Information System (USEPA)
<b>IUCLID</b>	International Uniform Chemical Information Database
<b>IZA</b>	International Zinc Association
<b>IZA-E</b>	International Zinc Association - Europe

<b>JECFA</b>	Joint Expert Committee on Food Additives (World Health Organization)
<b>LRTAP</b>	Long Range Transboundary Air Pollution
<b>MS</b>	Member States (of the European Union)
<b>MSW</b>	Municipal Solid Waste
<b>NAMC</b>	North American Metals Council
<b>NCOM</b>	Nordic Council of Ministers
<b>NESHAPS</b>	National Emission Standards for Hazardous Air Pollutants
<b>NOEL</b>	No Observable Effect Level
<b>NTP</b>	National Toxicology Program (USA)
<b>OSPAR</b>	Oslo-Paris Convention
<b>PRBA</b>	Portable Rechargeable Battery Association (United States)
<b>PTWI</b>	Provisional Tolerable Weekly Intake
<b>PVC</b>	Polyvinylchloride
<b>RA</b>	Risk Assessment
<b>RBRC</b>	Rechargeable Battery Recycling Corporation (North America)
<b>REACH</b>	Registration, Evaluation & Authorization of Chemicals (EU)
<b>RIP</b>	REACH Implementation Projects
<b>RPA</b>	RPA Ltd. (formerly Risk Policy Analysts), Consultant for EU
<b>RRS</b>	Risk Reduction Strategy (European Commission)
<b>SAICM</b>	Strategic Approach to International Chemicals Management
<b>SCOEL</b>	Sub-Committee on Occupational Exposure Levels
<b>SEE</b>	South East Europe
<b>SIEF</b>	Substances Information Exchange Forum
<b>SUMDOC</b>	Summary Document
<b>TCNES</b>	Technical Committee on New and Existing Chemicals
<b>TFHM</b>	Task Force on Heavy Metals (UNECE LRTAP Heavy Metals Protocol)
<b>TSCA</b>	Toxic Substances Control Act (United States)
<b>UCL</b>	Universite Catholique Louvain (Belgium)
<b>UNECE</b>	United Nations Economic Commission for Europe
<b>UNEP</b>	United Nations Environment Programme
<b>USEPA</b>	United States Environmental Protection Agency
<b>USGS</b>	United States Geological Survey
<b>WGs</b>	Working Groups
<b>WGSR</b>	Working Group on Strategies and Review (of UNECE LRTAP Treaty)
<b>WHO</b>	World Health Organization
<b>WSSD</b>	World Summit on Sustainable Development