

Ag
Au
Ir
Os
Pd
Pt
Rh
Ru



Precious Metals and Rhenium Consortium *Plenary Meeting*



Toledo, 20th of June 2008
Hotel Silken Cigarral El Bosque


Ag
Au
Ir
Os
Pd
Pt
Rh
Ru



Agenda

Chair: *Andrew Griffiths, Umicore*

1. Introduction and confidentiality clauses.
2. Status and progress of the Precious Metals and Rhenium Consortium.
3. **Pre-registration preparedness.**
4. Key tasks, proposed timeline, next Assembly meeting and AOB.
5. Conclusion.

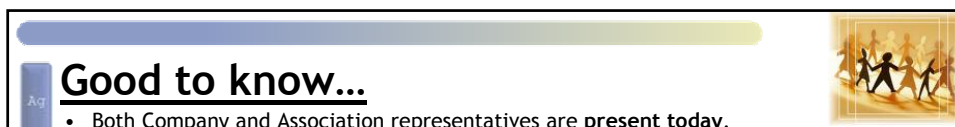


1. Introduction

Andrew Griffiths, Umicore
Chairman of the Management Committee


Precious Metals and Rhenium Consortium


3





Good to know...

- Both Company and Association representatives are **present today**.
- Not all attendees are **Members** of the Consortium; most of **non-Members** have an interest in joining the Consortium.
- Some documents have only been provided to Authorised Member Representatives in order to preserve confidentiality (see next slide).
- Although **transparency** is essential, all attendees are requested to comply with **Confidentiality and Competition Law** in regard to any information provided during this meeting.





- **Legal disclaimer:** The statements and content supplied in this presentation are for information purposes only and do not constitute advice regarding legal or regulatory compliance.
- Some slides are marked with the following picture on the top left corner: 
 - Due to time limitations, these slides will unfortunately not be presented in detail and are for your information only.
- The following icon means that the (Sub-)Assembly is required to vote on the specific presented matter: 

Precious Metals and Rhenium Consortium

4

Some of you even know more...



Member Representatives have received a sealed envelope containing **confidential information**:

- Relevant **ID Codes** for their company.
 - A copy of the **Substance and tonnage band declaration** as originally submitted or updated to the Trustee by their company.
 - A copy of the **substance indicative lists (containing the necessary information to complete a structured pre-registration)** for the Sub-Assembly(ies) their company belongs to:
 - PGM indicative list not included - to be further refined.
 - Minutes of 8 January 2008 meeting reflecting reference samples selection approach for Phase IIb of the Silver project (Silver Members only).
 - Budget and 2008(II) invoice amounts.
- ❖ In the event one of the above contains incorrect information, please promptly contact the Secretariat.

Objectives of today's meeting



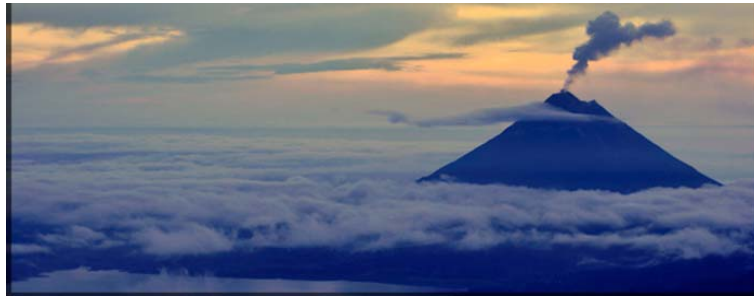
- To update the Assembly of the Precious Metals and Rhenium Consortium on the progress and status of the Consortium;
- To agree on a strategy to ensure an aligned pre-registration and a structured SIEF formation.

Ag
Au
Ir
Os
Pd
Pt
Rh
Ru

2. Status and progress of the Consortium



- 2.1. Adjusted Consortium Agreement: main changes.
- 2.2. Membership: interested companies and potential members.
- 2.3. Internal structure and Scientific Manager position.
- 2.4. Work Groups.
- 2.5. Accounts and budget.



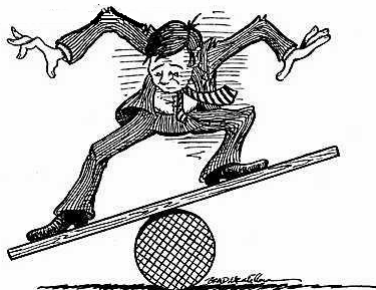
Ag
Au
Ir
Os
Pd
Pt
Rh
Ru

2.1. Adjusted Consortium Agreement: main changes

Alain Palmers, Umicore
Chair of Legal Work Group

Wilfried Held, Fachvereinigung Edelmetalle
Chair of Cost-sharing Work Group

Caroline Braibant, EPMF
Secretariat & Trustee



Content



Objective of this presentation: To explain the logic behind some of the changes that were approved by the Assembly by written decision - For transparency.

1. **EXTENSION of SCOPE:**
→ RHENIUM.
2. **INTERMEDIATES:**
→ Need for addressing 'Isolated Intermediates' more adequately in cost-sharing formula.
3. **ADAPTATION of COST-SHARING FORMULA:**
→ by consideration of (1) & (2).
4. **CLARIFICATIONS & ADJUSTMENTS to CONSORTIUM AGREEMENT:**
→ Based on questions and experience, need for clarification and explanations;
→ Additional adjustments accordingly in Consortium Agreement texts.
5. **IMPROVEMENTS in PROCEDURES & FORMS:**
→ Based on practical experience (e.g.: Declaration & Tables).
6. **OTHER SUGGESTIONS:**
→ To be discussed, voted and minuted.

2.1.1. Extension of scope



- Upon approval of the Assembly at last Assembly meeting (Brussels, 13th December 2007), it was agreed to include Rhenium in the scope of activity of the Consortium.
- As Rhenium is not a 'Precious Metal' as such, need for specific references in the whole text (including "Title") of the Consortium Agreement, with specific consideration of:
 - Art.1 & 4.1.1.2: 'Rhenium Sub-Assembly' is constituted;
 - Art.3.3: 'Founding Members' for Rhenium Sub-Assembly had to sign Consortium Agreement by June 15, 2008 deadline;
 - App.5: "Rhenium Working Group" is constituted, supported by Technical Advisory Panel (TAP).

2.1.2. Isolated Intermediates



- As Isolated Intermediates were not adequately addressed, need for specific references in the whole text of the Consortium Agreement, with specific consideration of:
 - App.4: ‘Substances and Isolated Intermediates covered by the Consortium Agreement’.
 - App.9: “Cost-sharing formula” is adjusted according to changes in scope and distinction made between Substances and Isolated Intermediates.

2.1.3. Cost-sharing



- Art. 5.2.2: Any money collected from rights to use granted by Consortium to companies shall be proportionately reimbursed to the Members of the relevant Sub-Assembly(ies), each reimbursement being calculated in accordance with the cost-sharing formula presented in Appendix 9.
- Art.7.1.2 (e): The cost of the samples which are provided by the Members in order to be used as reference materials in the test programme shall be reimbursed to the originating Member upon request, and shall be based on the value of the Precious Metal or Rhenium content - (to be completed - see slide 23).
- App.9: “Cost-sharing formula” is adjusted according to changes in scope and distinction made between Substances and Isolated Intermediates.

2.1.3. Adjusted cost-sharing formula (1)

(a) $C_i = A_i + B_i$

(b) $A_i = G/n$

(c)
$$B_i = \frac{M}{2} \left[\frac{x_i}{\sum_{i=1}^n x_i} \right] + \frac{M}{2} \left[\frac{y_i}{\sum_{i=1}^n y_i} \right]$$

(d) $y_i = 5x_{i(t1)} + 20x_{i(t2)} + 100x_{i(t3)} + 1000x_{i(t4)}$

x_i is:

- total number of substances
- total number of transported isolated intermediates in tonnage band 4 (> 1000 tonnes per year)

y_i is: tonnage factor

- $x_i(t_i)$ is:
- number of substances in tonnage band 1 (1-10 tonnes per year)
 - number of transported isolated intermediates in tonnage band 4 (> 1000 tonnes per year)

2.1.3. Adjusted cost-sharing formula (2)

Intermediates - why not change the formula?

Non-isolated intermediates ⇒ no obligations under REACH.

On-site isolated intermediates ⇒ standard registration, unless manufactured and used under strictly controlled conditions:
 → information requirements are reduced to already available data ("light registration").
 → Member's contribution to Consortium costs are calculated as sum of:
 Equal share of Generic Costs;
 + Equal share of Registration Dossier cost.

Transported isolated intermediates ⇒ standard registration, unless manufactured, imported and used under strictly controlled conditions and:
 → manufactured/imported in volumes < 1000 tonnes per year: requirements described above apply.
 → manufactured/imported in volumes of **1000 tonnes per year or more**:
 Annex VII requirements in addition to above;
 + Inclusion in Consortium's cost-sharing formula ($x_i(t1)$).

2.1.3. Adjusted cost-sharing formula (3)



Guidelines: how was it adjusted?

Ag
Au
Ir
Os
Pd
Pt
Rh
Ru

- **Simple:** Easy to describe with one sentence!
- **Fair:** From all isolated intermediates, only transported isolated intermediates > 1000 tonnes per year might cause significant impact on expenses.
- **Transparent:** Quite easy to understand - possibility to foresee/predict cost-share with quick calculation.
- **Non-discriminatory:** Only those members manufacturing/ importing transported isolated intermediates > 1000 tonnes per year will be charged with proportionate share of metal specific costs. Members manufacturing/importing other isolated intermediates will pay an equal share of the cost of preparing the Dossier → guarantees legitimate right to use and refer to data contained therein.

2.1.4. Clarifications and adjustments to the Consortium Agreement (1)



Ag
Au
Ir
Os
Pd
Pt
Rh
Ru

• Amendments to Consortium Agreement (& Appendices)

- **[Art.4.1.6.1 (b)]:**
Once approved by Assembly, amended version of Agreement is replacing the previous one with effect at the date of such decision (ref. 'Version dated...').
- **[Art.9.2]:**
Updated Agreement in full force and effect → no need for existing Consortium Members to complete and sign the Agreement again.

2.1.4. Clarifications and adjustments to the Consortium Agreement (2)



• External Representation of the Consortium

- [New Art.4.2.1.2]:

The Chairperson (as 'official External Representative of the Consortium') is authorized to enter into agreements/contracts with Third Party on behalf of the individual Members of the Consortium, provided that:

(i) He is **previously mandated** to sign by Management Committee;

(ii) **Third party is aware** of such mandate, agrees on the meaning/limits thereof, i.e. "any obligation of the Consortium is an obligation borne pro rata between the relevant (Sub-)Assembly Members", and "the third party shall not be entitled to pursue any relevant (Sub-)Assembly Member for more than that Member's pro rata share of the liability".

(→ avoid that only one Member be pursued for breach of an obligation of the Consortium).

- "Template paragraph" shall accompany each signature done on behalf of Consortium Members in order to inform the Third Party accordingly.

- [Last paragraph of Art.4.2.1.2]:

Chairperson may delegate such power to Secretariat provided that above principles are applied and respected in same manner.

2.1.4. Clarifications and adjustments to the Consortium Agreement (3)



• Liability of the Consortium Members towards Third Party

- [Art.8.3.1 & Art.10.2.2] amended to consider above Art.4.2.1.2 and clarify accordingly: "In any case, the liability of each Member shall be several and not joint" (under Belgian Laws).

→ each Member is sole liable for its own obligations, i.e. related to its own activities;

→ each Member of a Sub-Assembly bears a share (of amount to be paid to Third Party) -as per cost-sharing formula- in case of breach of an obligation of the Consortium;

→ any Third Party has to pursue each individual Member of Consortium for that Member's share of the debt/responsibility.

2.1.4. Clarifications and adjustments to the Consortium Agreement (4)



• **Ownership and Use of new Information developed by the Consortium**

- **[Art.5.2.1]:**

Consortium Members (& Affiliates) have the right to use new Information:

(i) for other regulatory purpose than REACH, provided that they notify Secretariat thereof, and

(ii) for any other purpose provided that Management Committee is notified and accepts.

2.1.4. Clarifications and adjustments to the Consortium Agreement (5)



• **Art.7.4:** Invoices will be sent in February and July instead of January and July (due to accountancy organisation).

• **Appendix 2:** Improved Substance and tonnage band declaration tables in order to obtain the necessary information from new Members and avoid delay in work programmes.

- The objective is for each company to have its own Table 1, Table 2 and Table 3:

- For current Members: Trustee and Scientific Manager will compile all data in new template. In the event a completion or update is to be submitted by a Member, please use this template.
- For new Members: only new template will be accepted (both for membership application and for any eventual subsequent adjustment).

2.1.5. Other improvements to the Consortium Agreement



- All other changes in the texts are of editorial nature: presentation consistency, typing mistakes, good sense for easier reading, etc.

IN ANY CASE, NONE OF THE previously AGREED PRINCIPLES OF THE AGREEMENT HAS BEEN CHANGED

- All changes have been approved by Management Committee, and by the existing Consortium Members:
 1. Track-changed version circulated on 28th of March;
 2. Comments by Assembly possible until 28th of April;
 3. No comments received - new version dd 6th of May was circulated for signature to interested companies.

2.1.6. Other suggestions (to be voted and included as addenda to the Agreement) (1)



- Consortium matters requiring urgent decisions (within the week):
 - In the event a quick decision shall be taken, and as long as this decision does not lead to excessive costs (exceeding the budget approved by the Assembly for that year), the Chairperson or the Co-Chairperson of the Management Committee shall be entitled to take emergency decisions without requiring the prior approval of the Management Committee or the (Sub-)Assembly.
 - Any such decision shall however be duly documented by the Secretariat, including any financial or practical consequence the latter might have, in order to be promptly communicated to the Management Committee and the concerned (Sub-)Assembly.

2.1.6. Other suggestions (to be voted and included as addenda to the Agreement) (2)

- Retroactive payment: In fairness, the same regime shall be applied to existing and new Members (just as REACH does with existing and new substances!), i.e.:
 - In the event a substance and tonnage band declaration is updated by a Member, in order to add substances from its original declaration, or modify the tonnages indicated in the latter, the past shares of such Member shall be re-calculated and adjusted so he can reimburse the Consortium (whenever possible).
 - Each Member will only be allowed to use and refer to data it needs according to its Substance and tonnage band declaration (cf. last paragraph of Appendix 2).
 - Please make sure all your substances are listed and your tonnages are correct!
- Reference sample providers:
 - In the event a Member provides the Consortium with a sample in order to be used in any of the tests commissioned by the Consortium to a CRO in the context of any of the PM or Re projects, this Member shall be reimbursed by the concerned Sub-Assembly for the cost of the sample (calculated based on the concentration of precious metal or rhenium, respectively) as well as for the shipment and associated insurance costs, as appropriate → [Upon request/invoice receipt](#).



Thank you for your attention!
Any question or suggestion?







Ag
Au
Ir
Os
Pd
Pt
Rh
Ru

2.2. Membership: interested companies and potential members

Caroline Braibant, EPMF
Secretariat & Trustee



Precious Metals and Rhenium Consortium 25



Ag
Au
Ir
Os
Pd
Pt
Rh
Ru

Content

1. List of current Members.
2. List of applicants and vote by the Assembly.
3. Adjusted membership: impact on figures.
4. Reminders to Members of the Consortium.

Precious Metals and Rhenium Consortium 26

2.2.1. Founding Members



- Ames Goldsmith U.K. Limited
- AMI DODUCO GmbH
- Anglo Platinum Limited
- Argor-Hereaus S.A.
- Boliden AB
- Britannia Refined Metals Limited
- Carl Hafner GmbH + Co. KG
- Cendres & Métaux Holding S.A.
- Commerzbank International S.A.
- Falconbridge Europe S.A.
- Heimerle + Meule GmbH
- Johnson Matthey Plc.
- KGHM Polska Miedz S.A.
- Lonmin Plc.
- Metalor Technologies (France) SAS
- Norddeutsche Affinerie AG
- Norilsk Nickel Finland Oy
- PAMP S.A.
- PX Holding S.A.
- SAFIMET S.p.a.
- SEMPSA Joyería Platería S.A.
- Umicore S.A./N.V.
- Vale Inco Limited
- W.C. Heraeus GmbH
- Wieland Dental + Technik GmbH & Co. KG

+ Recylex GmbH (former Metaleurop),
who entered the Consortium in 2007,
after the "Founding Member" deadline

2.2.2. Membership applications received



Name of the company	Country	Group(s) of substances of interest	Date of submission
Agnico Eagle	Finland	Gold	11 June 2008
Climax Molybdenum	The Netherlands	Rhenium	13 June 2008
Eurotungstene Metal Powders	France	Rhenium	6 June 2008
Handy Harman Precious Metals Group	France	Silver	6 April 2008
HCM	Poland	Silver	20 May 2008
KCM 2000	Bulgaria	Silver	6 June 2008
KGHM Ecoren	Poland	Rhenium	21 May 2008
Lipmann Walton	United Kingdom	Rhenium	11 June 2008
Montanwerke Brixlegg	Austria	Silver, gold and PGM	12 June 2008
Pemco Euroinks	Italy	Silver	12 June 2008
Sekom	Austria	Rhenium	4 June 2008
Société des Fonderies de Plomb de Zellidja	Morocco	Silver and Gold	5 June 2008

All the above have sent required information/complete application.
One vote per applicant or one vote for all applicants?
Please proceed to vote.



2.2.3. Adjusted Membership: impact on figures



Sub-Assembly / Work programme	Number of Members		Number of Substances and/or intermediates *		Maximum tonnage band
	Before	Now	Before	Now	
Silver	22	28	10	10	> 1000 tonnes/year <i>(unchanged)</i>
Gold	19	22	8	8	1-100 tonnes/year <i>(unchanged)</i>
PGM	15	16	91	91	1-100 tonnes/year <i>(unchanged)</i>
Rhenium	2	8	0	5	1-10 tonnes/year <i>(less than initially projected)</i>
TOTAL	26	38	109	114	<i>Not applicable</i>

* Excluding complex intermediates / non-waste refinables.

2.2.4. Reminder: Commitment of the Members

(Article 3.2.2. of the Consortium Agreement)

To become a Member, an applicant shall sign the Agreement and shall therefore commit:

- a) to **respect** any and all terms and conditions set out in the Consortium Agreement;
- b) to **complete and submit the relevant declarations** (including but not necessarily limited to the Signature folio and the Substance and tonnage band declaration presented in Appendix 1 and Appendix 2, respectively) associated to the Consortium Agreement;
- c) to **share free of charge any and all Information and/or Study** [...] which is(are) available in its domain and not generally available or known to be in the public domain, and relevant for the preparation of the Core Data [...]; and
- d) to **pay** [...] its share of the costs as stated in Article 3.2.3.



Ag

Au

Ir

Os

Pd

Pt

Rh

Ru

2.2.4. Reminder: Contribution to the Consortium

(Article 3.2.3. of the Consortium Agreement)

Each Member shall pay as contribution to the Consortium:

- a) *its annual share of the **Generic costs** for the year it is entering the Consortium and for each following year of membership;*
- b) *its annual share of the applicable **Metal-specific costs** for the year it is entering the Consortium and for each following year of membership;*
- c) *its annual shares of the **Generic and the applicable Metal-specific costs** incurred by the Consortium for the **past years** (limited to 10 (ten)) of activity prior to its entry to the Consortium; and*
- d) *an amount equivalent to the annual average interest rate as per the **London Interbank Offered Rate (LIBOR)** for each annual share calculated in (c).*



Ag

Au

Ir

Os

Pd

Pt

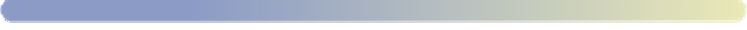

Rh

Ru



**Welcome to All!
Any question or
suggestion?**



Ag

Au

Ir

Os

Pd

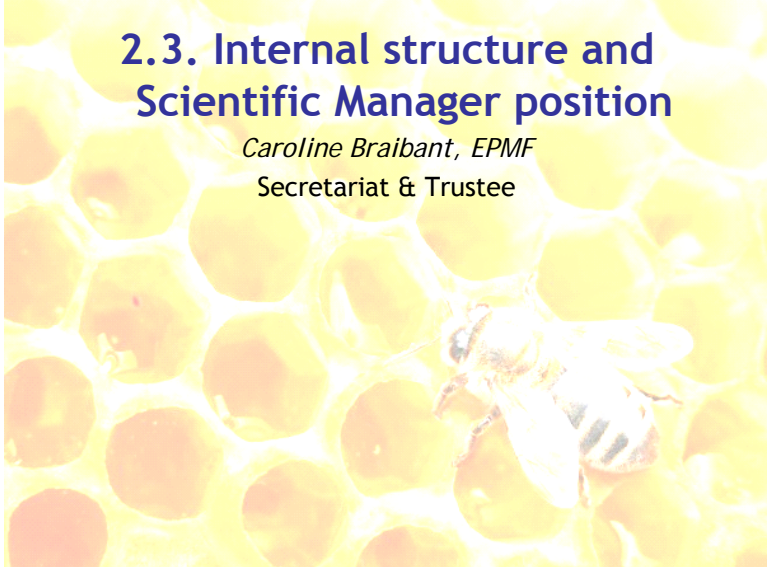
Pt

Rh

Ru

2.3. Internal structure and Scientific Manager position

Caroline Braibant, EPMF
Secretariat & Trustee



Precious Metals and Rhenium Consortium 33




Ag

Au

Ir

Os

Pd

Pt

Rh

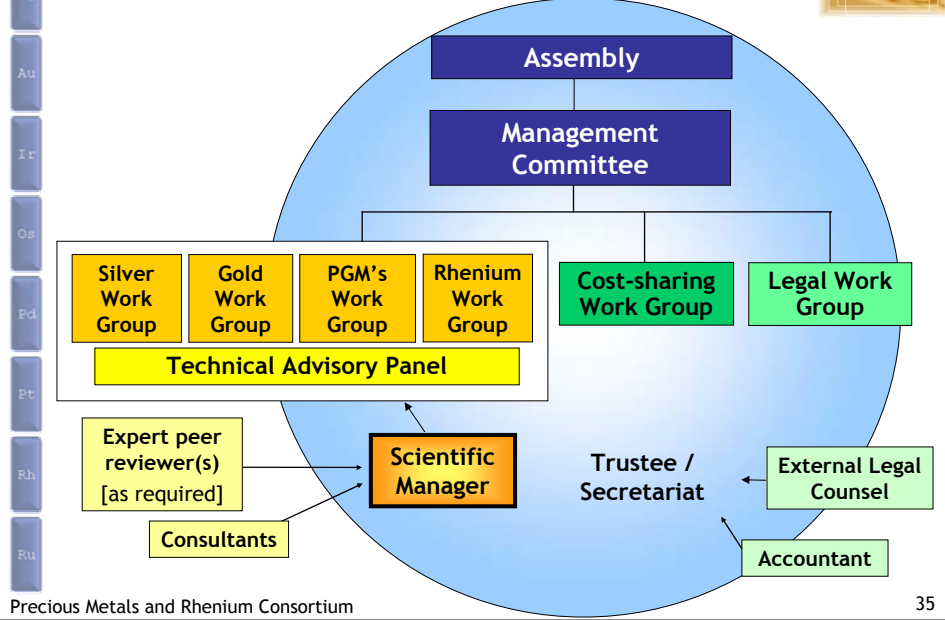
Ru

2.3.1. What has been done?

1. Job advertisement (available in handouts) was prepared and TAP + Management Committee were invited to comment/suggest changes.
2. Job advertisement was posted on the 15th of April on:
 - www.eurobrussels.com
 - www.brusselsjobs.com
 - www.doctorat.be
3. Deadline to submit applications was 15th of May 2008 - 15 applications have been received before deadline.
4. Interview Panel held a teleconference on 2nd of June to identify suitable consultants → 4 + 1 reserve will be invited for the first round of interviews.
5. Office for Scientific Manager has been prepared, just waiting for our selected candidate!
 - It has been difficult to identify interview dates which could be suitable both for members of Interview Panel and applicants.
 - **Objective:** Scientific Manager should start working before end of summer 2008 to the latest!

Precious Metals and Rhenium Consortium 34

2.3.2. Adjusted working structure



2.4. Work Groups

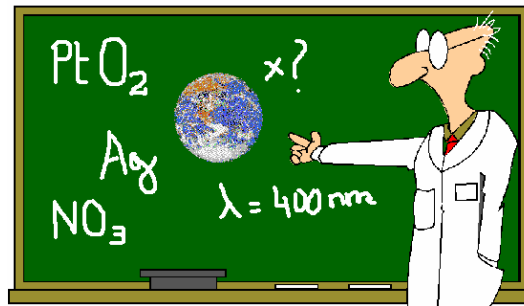
- 2.4.1. Technical Advisory Panel.
- 2.4.2. Silver Work Group.
- 2.4.3. Gold Work Group.
- 2.4.4. PGM Work Group.
- 2.4.5. Rhenium Work Group: the proposed way forward.

Ag
Au
Ir
Os
Pd
Pt
Rh
Ru



2.4.1. Technical Advisory Panel

Mark Raffray, Johnson Matthey
Chair of Technical Advisory Panel



Ag
Au
Ir
Os
Pd
Pt
Rh
Ru



Content

1. Status of technical deliverables:

- Ag registration project;
- Enabling work for other PM and Re registration projects;
- Refinables/complex intermediates;
- Substance sameness/categorisation;
- Other issues (e.g.: PM massives).

2. Consultant selection for remaining projects.

3. Requested support from members.

2.4.1.1. Status of technical efforts (1)



Ag Project

Phase IIa (re-scoped literature survey/gap analysis)	ENV reported (draft) HH expected July
Reference samples for Ag testing	Rationale developed / selected
Phase IIb (enabling & read-across testing)	Testing now in progress / on track
Initiation of Phase III through V	TAP & Trustee reviewing options
<i>Overall Ag project progress:</i> Some consultant level delays on sub-elements; deliverable cost increases have occurred, but currently within budget.	

Other PM REACH projects (Au, Au/Ag cyanides, PGMs, Re)

Project specification	Complete
Consultant selection	Complete (summary follows)
Initial ITS & grouping concepts	Reviewed with consultants
<i>Overall progress of projects:</i> On schedule, well ahead of registration deadlines.	

2.4.1.1. Status of technical efforts (2)



Refinables / complex intermediates

Assessments for PMC substances	4 meetings of Refinables ad hoc WG + sidebar inter-Cs meetings
Overarching REACH strategy developed & consensed	Complete - see doc in handouts
Generic categories of refinables/complex intermediates	Inventory available; -two-thirds of members have provided input; aligned for pre-registration needs
Methodology for analytical characterisation (where required)	Pragmatic method identified

Substance sameness / categorisation

Sameness and RIP 3.10 categorisations	Complete for Ag, Au, Au/Ag cyanides, and Re
	PGMs steady progress; problematic substances identified; plan for completion by mid-July

2.4.1.1. Status of technical efforts (3)



Pre-registration support

Guidance for members on technical approach for substances and intermediates, including refinables

- 1) General Do's and Don'ts recommendations available
- 2) Indicative Lists marked up with identifiers, categories etc.
- 3) Some gaps for PGMs with complex sameness issues - working to close

Others - Various interpretation efforts continue:

PM massives (bank PM): in scope of registration?

Ongoing support to bullion handlers/banks

Waste and recovered substances

Interpreting latest guidance in relation to PMC situations

2.4.1.2. Consultant selection (1): PGMs, Au, Au/Ag Cyanides, Re



- Assessment/Registration projects for these substance groups.
- Take into account learning from Ag project.
- Commence before good quality consultants "REACH saturated".
- Run in standard phases:
 - P1: Literature survey and data gap assessment
 - P2: Develop read-across/test waiving/testing strategy
 - P3: Testing program
 - P4: CSA/CSR development
 - P5: Compilation of Registration dossiers
- Track metal-specific costs separately.
- More than 10 consultants initially considered.
- Shortlist - exploratory meetings TAP and 3 consultants:
RCC-Safepharm, WCA-BIBRA, Dr Knoell Consult.

2.4.1.2. Consultant selection (2)



Objective selection criteria including:

Established company/ expected long-term reliability	Metals & risk assessment experience	Evidence of pragmatic REACH mindset	Strong on test minimization / ITS (....PGMs!)	Easy to work with? Trustee/ TAP view + external ref.s
Realistic service cost structure	Willing to dedicate senior scientists	History of interaction with regulators	No conflicts with other Consortia	Capacity / early start

- WCA-BIBRA awarded PGM and Re project contracts
- Kick-off meeting held; expected project start (Phase 1) 15 July 2008
- Dr Knoell Consult to conduct Au and Au/Ag cyanides projects
- Finalising SOW
- Start date in Qtr 3 anticipated

2.4.1.3. Requested support from members



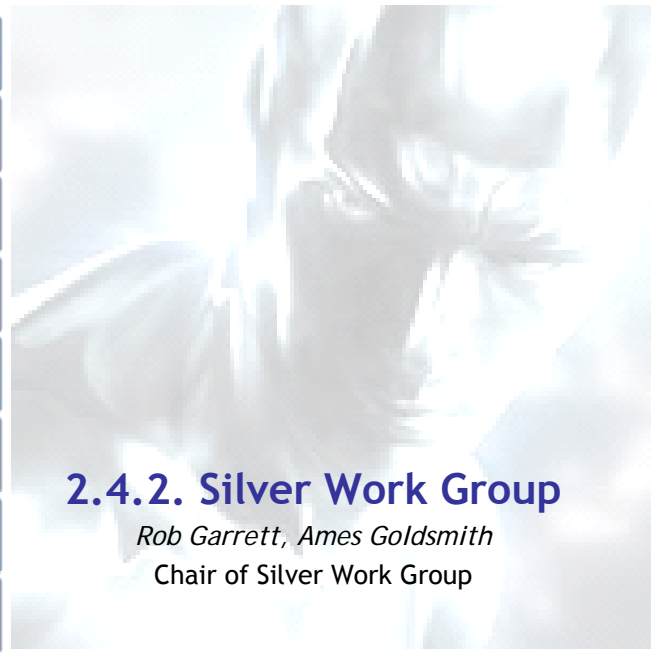
- Member dataset (physico-chem, tox, ecotox studies) are key element provided to consultants.
- Speeds progress, and avoids testing/paying to acquire what we already possess.
- Trustee has provided simple-to-complete Study Listing pro-forma (cf. Table 3 Appendix 2).
- Immensely helpful if members could progress input.
 - Even partial information submissions helpful.
 - Suggestions to consultants on key references (reviews etc.).
- Particularly useful for complex PGMs project.

Ag
Au
Ir
Os
Pd
Pt
Rh
Ru



**More details will follow...
Any question or suggestion?**

Ag
Au
Ir
Os
Pd
Pt
Rh
Ru



2.4.2. Silver Work Group
Rob Garrett, Ames Goldsmith
Chair of Silver Work Group

Content

1. Silver indicative list.
2. Achievements to date.
3. Still to do.
4. Pre-registration.
5. Exposure data collection.
6. Envisaged timeline.

2.4.2.1. Silver indicative list

Name	CAS number	EC number	Maximum tonnage band
Silver	7440-22-4	231-131-3	> 1000
Silver nitrate	7761-88-8	231-853-9	100-1000
Disilver oxide	20667-12-3	243-957-1	100-1000
Silver carbonate	534-16-7	208-590-3	1-10
Disilver sulphate	10294-26-5	233-653-7	1-10
Silver chloride (intermediate)	7783-90-6	232-033-3	100-1000

- Copies of the updated Silver indicative list are available in each concerned Member confidential envelope:
 - In order to receive firm quotations from CRO,
 - In order to avoid any last minute changes in the Silver work programme,
 - In order to avoid any last minute changes in the invoices,
 - In order to ensure access to necessary data for Registration,
 - Etc...
- Please make sure your substances and tonnages are well reflected in this list!

2.4.2.2. Achievements to date



Silver was the first Consortium project started:

1. **Phase I** - an initial data gap analysis for silver, silver chloride and silver nitrate was completed.
2. **Phase IIa** - a broader data gap analysis (including additional substances and intermediates) was commissioned:
 - Substantial quantity of existing data was collected and sent to CROs - articles and studies provided by:
 - Ames Goldsmith
 - Johnson Matthey
 - Umicore
 - Draft report on environmental information data gap analysis received on 23rd of May 2008;
 - Draft report on human health information data gap analysis should have been received in May 2008 too but was delayed due to administrative obstacles (insurance) → report expected in early July 2008.
3. **Phase IIb** - reference samples identified and sent to laboratories (Minutes in Member's envelope: **please approve by 20th of July 2008**):
 - First battery of tests enabling future read-across and grouping is commenced,
 - Complete draft report on Phase IIb expected in October 2008.
4. Substance profiles compiled.
5. All silver substances assessed as mono-constituent substances for a structured pre-registration.



(Written decision)

2.4.2.3. Still to do




- Receive/evaluate Phase IIa extended literature and gap analysis.
- Evaluate Phase IIb test outcomes - ensure optimal use for read-across purposes.
- Find solutions to issues with consultant **project progression**.
- Complete substance profiles and have them approved by Silver Sub-Assembly.
- Assess utility of dataset for Ag and Ag nitrate (submitted Biocidal Products Directive); accessible from 1 Dec ?
- Get Phase III of the silver project moving.
- Confirm whether **ingots/bars** will need to be registered.
- Find other sources of information to help keep testing costs down.
- Contact DU for details on uses & emissions (slide coming up).
- Pre-register before 1st of December 2008 and register by 2010!!**

FYI

Ag
Au
Ir
Os
Pd
Pt
Rh
Ru

2.4.2.4. Pre-registration




- To be done by the 1st of December 2008:
 - Some companies (e.g. Norddeutsche Affinerie) have pre-registered pure silver already and have ticked the SIEF Formation Facilitator box to be sure a link can be established with the Consortium - although not final, only candidate!
- Need to submit light set of information:
 - Pre-registration must be done per legal entity and by Members, not by Consortium.
 - When pre-registering, please follow the structure proposed by the Consortium:
 - More on this after the Coffee Break!

Precious Metals and Rhenium Consortium 51

Ag
Au
Ir
Os
Pd
Pt
Rh
Ru

2.4.2.5. Exposure data: please be ready



Current environmental data gap analysis on silver indicates a PNEC (Predicted No Effect Concentration) of 2 ng Ag/l (aquatic) and 1,6 µg Ag/kg (dry sediment):

- According to this PNEC, the concentration of silver in water or in sediments should not be higher than 2 or 1,6 µg per liter or kilogram of dry sediment in order to avoid any possible effect of silver in any of these environmental compartments!
- For certainty:
 - PNEC should be compared to natural background concentrations (GEMAS project in place - see handouts);
 - Report will be re-assessed by TAP and via second consultant peer review.
 - Etc.

Whether the above outcomes are confirmed or not:

1. Consortium members will be invited to gather (or produce) exposure data for silver →
 - Soon and quickly, if it is confirmed →
 - Early need for manufacturers' environmental exposure data (waste water analyses, discharge values, etc.) and workplace measurements.
 - Consortium might require exposure data from DUs and/or to launch additional tests to avoid default (high) assessment factor → to be added to already tight schedule of silver project.
 - A bit later, if peer review indicates higher PNEC but Members are invited to be pro-active in order to be able to respond to request as soon as possible!
2. Consortium members are asked to provide Secretariat with name and coordinates of silver downstream user associations (e.g.: Silver Users Association) so an exercise to obtain exposure data from downstream users (directly and/or through *ad hoc* association) will be launched.

Precious Metals and Rhenium Consortium 52

2.4.2.6. Timeline



	Who?	What?	When?
Aq			
Au	Members	1. Pre-registration by each legal entity.	1. Before December 2008
Ir	Consultants	2. Draft Silver Phase IIa reports due.	2. Early July 2008
Os	Consultants	3. Draft Silver Phase IIb reports due.	3. Around October 2008
Pd	TAP, WG's and MC	4. Resolve Issues with Consultants - insurance, performance etc.	4. Before December 2008
Pt	TAP, WG's and MC	5. Agreement on main testing proposals.	5. Before March 2009
Rh	Consultants	6. Phase III - experimental testing.	6. Before January 2010
Ru	Members	7. Collect data on exposure.	7. Tbc
	Consultants	8. Phase IV - production of CSA/CSR.	8. Before September 2010
	Consultants	9. Phase V - Production of Registration Dossiers (including testing proposals).	9. By October 2010
	Lead Registrant	10. Submission of full joint Registration Dossier (including list of "authorised co-registrants").	10. By October 2010.
	Other Members	11. Registration per individual legal entity (company information + reference to Dossier submitted by Lead Registrant).	11. Before December 2010.

Please Note - we have already used up some of our original 'reserve' time by delays with consultants

Precious Metals and Rhenium Consortium 53

**Plenty of work ahead!
Any question or suggestion?**



Ag

Au

Ir

Os

Pd

Pt

Rh

Ru



2.4.3. Gold Work Group

Sarah Hottenroth, Umicore
Chair of Gold Work Group



Ag

Au

Ir

Os

Pd

Pt

Rh

Ru



Content

1. Gold indicative list.
2. Will gold ingots be regarded as articles?
3. Substance profiles.
4. Keeping Gold and PM Cyanides within same work programme?
5. Pre-registration.
6. Envisaged timeline.

2.4.3.1. Gold indicative list



Name	CAS number	EC number	Maximum tonnage band
Gold	7440-57-5	231-165-9	10-100
Tetrachloroauric acid	16903-35-8	240-948-4	1-10
Ammonium gold (1+) sulphite	71662-32-3	275-798-9	1-10

- Copies of the updated Gold indicative list are available in each concerned **Member confidential envelope**:

- In order to receive firm quotations from CRO,
- In order to avoid any last minute changes in the Gold work programme,
- In order to avoid any last minute changes in the invoices,
- In order to ensure access to necessary data for Registration,
- Etc...

→ Please make sure your substances and tonnages are well reflected in this list!

2.4.3.2. Will gold ingots be regarded as articles?



- ECHA says “*precious metals ingots are regarded as substances*”.
- TAP & PM WG recommended to liaise with LBMA to agree on way forward.
- LBMA (London Bullion Market Association) has identified three options:
 1. Accept the ECHA opinion and take steps to pre-register and register.
 2. Revert to the ECHA, perhaps with the cooperation of the EPMF to argue the case for an exemption for bullion bars.
 3. Build a fuller case following the appointment of legal advisors who are familiar with the REACH legislation.

LBMA is meeting on 24th of June (C. Braibant will attend).

If gold ingots/bars are regarded as substances → **impact on Consortium:**

1. Likely that membership will increase.
2. Unlikely that new substances will be added to the Gold indicative list.
3. Probable that tonnage of Gold in Gold indicative list will increase, meaning:
 - Earlier Registration deadline!
 - Need for quick commencement of Gold project!

2.4.3.3. Collection of technical specifications/substance profiles



As there was no major further update of information by members, the gold substance profiles have not been continued.



2.4.3.4. Keeping Gold and precious metals cyanides in one project? (1)



1. Considering the possibility for the Cyanides Consortium to cover Precious Metals Cyanides, silver cyanides were not included in Phase I and II of the Silver Project.
 2. Cyanides Consortium ended-up:
 - Limiting its scope to only Na, K and H cyanides, but
 - Informing PM Consortium on existence of ECETOC report covering all available information on cyanides.
 3. It was too late to adjust the Silver project scope by when the above was known, considering the tight registration deadline.
 4. Although the potential for read-across from one PM Cyanide to another should not be taken for granted (behaviour of each one varies depending on the dissociation constant of the complex ion, the dilution and the pH), it is likely that CN⁻ will be the key anion/influencing actor when assessing the toxicological and eco-toxicological profile of PM Cyanides:
 - Likely that preparation of Registration Dossiers for PM Cyanides will be done by using information on Cyanides, available in ECETOC report:
 - Assembling 95% of the available information on CN⁻ and suitable to prepare PM CN⁻ for registration.
 - Members are however further invited to share any data they might have available on PM CN⁻ or CN⁻.
- **It was proposed to list precious metals cyanides together in one indicative list.**

2.4.3.4. Keeping Gold and precious metals cyanides in one project? (2)

Name	CAS number	EC number	Maximum tonnage band
Potassium dicyanoargentate	506-61-6	208-047-0	10-100
Silver cyanide	506-64-9	208-048-6	1-10
Potassium dicyanoaurate	13967-50-5	237-748-4	10-100
Potassium tetrakis (cyano-C)aurate	14263-59-3	238-145-9	1-10

Considering that:

- There are only three substances in the gold indicative list,
- Four out of the seven (4/7) Members registering PM CN- also register Gold and/or Gold compounds,
- Fifteen out of the nineteen (15/19) Members do not register PM CN-.
- It is likely that the data and information existing on CN- will suffice to predict/calculate the toxicity of the PM CN- at any value of concentration or pH and that no additional tests (and subsequent costs) are required.

2.4.3.4. Keeping Gold and precious metals cyanides in one project? (3)

OPTION 1: It is proposed to make precious metal cyanides and gold part of **one project**, with the same consultant, and a **shared budget** → PM cyanide and gold Members would share costs of one overall project:

- Total of gold and precious metals cyanides substances = 7,
 - Four of them (precious metals cyanides) requiring no testing but only data extraction from ECETOC report,
- Total of Members sharing gold-specific and PM cyanides-specific costs would increase from:
 - 7 to 22 for PM Cyanides-specific costs
 - 19 to 22 for gold-specific costs

OPTION 2: It is proposed to make precious metal cyanides and gold part of **two projects**, with the same consultants, and a **split budget** → Members would contribute separately to the costs of two individual projects:

- Total of Members sharing gold-specific and PM Cyanides-specific costs would be:
 - 7 for PM Cyanides-specific costs
 - 19 for gold-specific costs

ASSEMBLY IS INVITED TO VOTE →





2.4.3.5. Pre-registration



- Ag
- Au
- Ir
- Os
- Pd
- Pt
- Rh
- Ru

- To be done by the 1st of December 2008:
 - Some companies (e.g. Norddeutsche Affinerie) have pre-registered pure gold already and have ticked the SIEF Facilitator box to be sure a link can be established with the Consortium - although not final, only candidate!
- Need to submit company info:
 - Pre-registration must be done per legal entity and by Members, not by Consortium.
 - When pre-registering, please follow the structure proposed by the Consortium:
 - More on this after the Coffee Break!

2.4.3.6. Envisaged timeline



- Ag
- Au
- Ir
- Os
- Pd
- Pt
- Rh
- Ru

Who?	What?	When?
Au WG, TAP and MC	1. Order quotation for Precious Metals Cyanides project.	1. Before July 2008
Au WG, TAP and MC	2. Confirm quotation of consultant(s) for data gap analysis and enabling testing and order Phase I.	2. Before August 2008
Members	3. Submit all studies/information available on gold and gold compounds.	3. By September 2008
Au WG, TAP and Trustee	4. Review, compile and forward received information and studies to Consultant.	4. By October 2008
Au WG, TAP and Members	5. Completion of substance profiles and approval by concerned Sub-Assemblies.	5. By October 2008
All	6. Each legal entity of each concerned Member: pre-registration of precious metal cyanides and gold substances and intermediates.	6. Before 1st of December 2008

**Be ready in case tonnage of Gold in Gold indicative list increases
→ Earlier Registration deadline!**

Ag
Au
Ir
Os
Pd
Pt
Rh
Ru



**Thank you for contributing!
Any question or suggestion?**



Ag
Au
Ir
Os
Pd
Pt
Rh
Ru



2.4.4. PGM Work Group

Dave Boyd, Johnson Matthey
Chair of PGM Work Group



Content



1. PGM indicative list.
2. Substance profiles and technical specifications:
 - a. Substance sameness discussions.
 - b. Pre-registration categorisation process.
3. Pre-registration preparation.
4. Envisaged timeline.

2.4.4.1. PGM indicative list



- Copies of the updated PGM indicative list will soon be available to each concerned Member:
 - In order to receive firm quotations from CRO,
 - In order to avoid any last minute changes in the PGM work programme,
 - In order to avoid any last minute changes in the invoices,
 - In order to ensure access to necessary data for Registration,
 - Etc...
- Please make sure your substances and tonnages are well reflected in this list.

Group	Number of substances	Maximum tonnage band	Number of (simple) intermediates	Maximum tonnage band
Platinum	12	10-100	10	10-100
Palladium	19	10-100	5	10-100
Ruthenium	8	10-100	3	10-100
Rhodium	13	1-10	6	10-100
Osmium	1	1-10	1	1-10
Iridium	6	1-10	5	1-10
Total	59	12 > 10 tonnes/year → CSR	30	

2.4.4.2. Substance Profiles (1)



- At 11th of February TAP + PM WG meeting, certain participants considered that assembling full substance profiles for all PGM substances by June 2008 may be a too aggressive target.
- A pragmatic alternative was discussed → Rely on augmenting the existing PGMs' technical specifications in a selective manner (three steps approach - see next slide).
- The PGM's WG would coordinate the extension of these datasets as necessary, e.g.: to support sameness evaluations, by requesting Members to gap fill on key parameters, or otherwise find other ways to obtain this data.
- In order to be on-time for pre-registration, a project work plan was drafted.

2.4.4.2. Substance Profiles (2)



Request	Date	Purpose	Applicable to
Step 1 - Particle Size Distribution	25 February + 20 March 2008	To predict exposure routes and associated testing requirements (including bio-accessibility and dustiness).	All PGM with diameter of 100µm or less (including "sponges").
Step 2a - Infrared spectra	10 March 2008 + 20 March 2008	To predict/confirm sameness of solid PGM.	All solid PGM: -With a purity of 99,95% or less, and - Which are declared by more than one Member of the Consortium.
Step 2b - Raman spectra	21 April (partial) + 16 June 2008	To predict/confirm sameness of liquid PGM.	All/Some liquid PGM: -With a purity of 99,95% or less, and - Which are declared by more than one Member of the Consortium.
Step 3 - Studies listing	Article 3.2.2.	To build a list of all PGM literature references which are available to/know to the Consortium.	All PGM and all Members!

2.4.4.2.a. Substance sameness discussion



● Problem ● Completed ● Ongoing

- Solids particle size data (6 out of 10 missing)
- Liquid sameness feasibility studies (1 April 2008)
- Solids sameness spectroscopy (8 out of 10 missing)
- Liquids sameness spectroscopy (to be resent including clarifications)
- Task Force: Finalise REACH Categories (5 June 2008-Initiated, see next slide)
- Consultants Phase I PGM Project-WCA/BIBRA (16 January and 4 June-Identified and agreed)
- Pre-registration 1 June–30 Nov 2008-Recommended harmonised strategy being developed in phased approach

Precious Metals and Rhenium Consortium

71

2.4.4.2.b. Pre-registration categorisation process



- Successfully proposed REACH categories for 47 of the 71 substances.
- Aim is to apply categories (e.g.: Mono-constituent substance) whenever approach it is:
 - ✓ Legitimate under RIP 3.10, and
 - ✓ Consistent throughout Membership and substances group (e.g.: Platinum nitrate and Palladium nitrate).
- Substance category coupled with substance sameness discussions:
 - ✓ Spectra comparison method identified for sameness studies, including solid-liquid sameness.
- Further discussion required for 'chloro', 'nitrate', 'sulphato' and 'phosphato' compounds:
 - ✓ Under study by a technical Task Force, to report before 15 July 2008.

Deadlines defined by need for a firm harmonised pre-registration strategy and the impending Phase I study start-up.

Precious Metals and Rhenium Consortium

72

FYI

2.4.4.3. Pre-registration preparation

Lessons learned!

- Some of the initial deadlines of work plan could not be fulfilled due to:
 - Lack of clarity in some of the requests which were sent (due to evolving expertise in suitable methods to address PGM sameness discussion);
 - Lack of time and human resources at company level to gather or produce requested data within strict deadlines (especially for SME and/or for companies involved in several consortia);
 - Insufficient reminding/clarification/follow-up by Secretariat due to significant workload increase in the absence of Scientific Manager.
- Following exploratory meeting with consultants (Brussels, 4th June 2008), indication that scope refinement and confirmation + available studies list are key to launch PGM project by 15th July 2008
 - Your contribution is of high importance!
- Pre-registration shall be done by the 1st of December 2008:
 - Has any of today's attendees pre-registered any PGM material already?
 - Pre-registration must be done per legal entity and by Members, not by Consortium.
 - When pre-registering, please follow the structure proposed by the Consortium:
 - More on this after the Coffee Break!

Precious Metals and Rhenium Consortium 73

2.4.4.4. Envisaged timeline

Who?	What?	When?
Members and Secretariat	1. Complete Particle size data.	1. Before 15th of July 2008
Members and Secretariat	2. Complete Solids spectroscopy.	2. Before 15th of July 2008
Members and Secretariat	3. Complete Solutions spectroscopy.	3. Before 15th of July 2008
TAP, PGM WG and Secretariat	4. Confirm scope for data gap analysis and enabling testing and order Phase I of the PGM Project.	4. Before 15th of July 2008
TAP, PGM WG and Secretariat	5. Finalise REACH Categories.	5. By September 2008
Members	6. Supply any in-house information.	6. By September 2008
Consultants	7. Report on Phase I study.	7. Before 1st of December 2008
Members	8. Pre-register!!	8. Before 1st of December 2008

Precious Metals and Rhenium Consortium 74

Ag
Au
Ir
Os
Pd
Pt
Rh
Ru



Your contribution is key!
Any question or suggestion?



Ag
Au
Ir
Os
Pd
Pt
Rh
Ru



2.4.5. Rhenium Work Group: the proposed way forward

Caroline Braibant, EPMF
Secretariat & Trustee

atomic number	75	186.207	atomic weight
symbol	Re		acid-base properties of higher-valence oxides
electron configuration	[Xe]4f ¹⁴ 5d ⁵ 6s ²		crystal structure
name	rhenium		physical state at 20° C (68° F)

	weakly acidic		solid
	hexagonal		transition metals

Content



1. First exploratory meeting.
2. Received applications and confirmed Rhenium indicative list.
3. Rhenium project and pre-registration preparation.

2.4.5.1. First exploratory meeting (1)

Brussels, 11th of February 2008



Attendees

- o KGHM Ecoren
- o Ames Goldsmith
- o Lipmann Walton & Co.
- o Powmet
- o KGHM Polska Miedz
- o SEKOM
- o Powmet
- o Climax Molybdenum

Apologies:

Johnson Matthey
W.C. Heraeus

Objectives

- To better know those companies having a potential interest in Rhenium,
- To agree on a way forward until the latest version of the Consortium Agreement is made available for signature,
- To clarify any question on the organisation of the Precious Metals Consortium.

Agreed actions

- To replace the use of "perrhenate" by "rhenate",
- For each interested company to send its inventory of Rhenium substances and intermediates + any available technical specification (tables 1, 2 and 3 of Agreement dated 6th of May 2008),
- For each interested company to appoint a Representative to be on the Rhenium Work Group,
- For Re WG to produce one substance profile/descriptor per Rhenium material,
- For TAP to continue discussions with CRO and have Rhenium coupled with PGMs in CRO appointment.

2.4.5.2. Received applications and confirmed inventories



- Following exploratory meeting and release of adjusted Agreement:

- Five new companies have sent membership application to Trustee.
- Seven companies out of eight have confirmed their inventory, thereby adjusting the original Rhenium indicative list to:

Name	CAS number	EC number
Rhenium	7440-15-5	231-124-5
Perrhenic acid	13768-11-1	237-380-4
Ammonium perrhenate (APR)	13598-65-7	237-075-6
Sodium rhenate*	13472-33-8	236-742-9
Dirhenium heptaoxide	1314-68-7	215-241-9
Rhenium-containing scrap*	None	None

- Four substances and two transported isolated intermediates (*).
- All in 1-10 tonnes/year → no CSR required (but maybe for APR)!

Precious Metals and Rhenium Consortium • Please contact Secretariat if your substance is missing.

79

2.4.5.3. Rhenium project and pre-registration preparation



Rhenium project:

- Need to form Re WG and appoint Re WG chairperson (who will join MC).
- Suitable CRO has been identified and invited to quote.
- Rhenium project could commence in August 2008 with a data gap analysis:
 - All concerned companies are invited to send all available information and reference to Secretariat by end of July.
 - Rhenium WG meeting will be organised soon!

Pre-registration preparation:

- Sodium rhenate has been already been pre-registered and the SIEF Formation Facilitator box has been secured in order to establish a link with the Consortium - although not final, only candidate!
 - Pre-registration must be done per legal entity and by Members, **not by Consortium**.
 - When pre-registering, please follow the structure proposed by the Consortium:
 - Cannot always use 'rhenate' instead as 'perrhenate' as names are automatically extracted from EC inventory (automatic - no choice).
 - More on pre-registration after the Coffee Break!

Precious Metals and Rhenium Consortium

80

Ag
Au
Ir
Os
Pd
Pt
Rh
Ru



Ready to work? Any question or suggestion?



Ag
Au
Ir
Os
Pd
Pt
Rh
Ru



2.5. Accounts and budget

Caroline Braibant, EPMF
Secretariat & Trustee



Content



1. Clarifications on 2007 + 2008(I) invoices.
2. 2008(II) Budget and invoices.
3. Other figures.

2.5.1. 2007 + 2008(I) invoices: clarifications



- Invoices were supposed to go out in January but 2007 accounts could not be closed on-time.
 - Invoices were sent on the 5th of March.
 - Updated invoices were sent again including additional information in footer, as requested by some Members.
- Invoiced amounts were supposed to be those presented at Assembly meeting.
 - Some Substance and tonnage band declarations were changed at the last minute.
 - Invoiced amounts were higher than expected for some companies.
- Invoices were supposed to be paid by the 5th of May.
 - By that date, three companies had not yet paid.
 - Management Committee agreed to extend payment period considering new situation of consortia.
 - By end of May, all Members had paid their invoices.
- Invoices included amount for Scientific Manager, who was not found within the first six months of 2008.
 - Second part of Scientific Manager costs will not be included in invoiced amounts.

Thank you to all for this successful first Consortium accounting exercise!!

2.5.2. 2008(II) budget

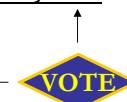


- 2008(II), 2009 and 2010 budgets presented at last Assembly meeting have been adjusted based on 2008(I) expenses and obtained quotations for Gold, PGM and Rhenium (see handouts).
 - The budget foreseen for the Scientific Manager for 2008 has been decreased to half (already invoiced in 2007 + 2008 (I) invoices) due to his inexistence in the first half of 2008.
 - Up to June 2008, only 1850 € have been spent in legal counselling.
 - A first meeting on GEMAS will be held on 27th of June 2008.
 - First drafts of the HERAG/MERAG Alloys Factsheets will be available in summer (Environmental) and fall 2008 (Human Health).
 - Although a first amount was invoiced to Members for the first phase of the gold work programme, no moneys were spent for it during the first half of 2008. The estimated budget for the second half of 2008 was therefore decreased from 80000 to 40000 €.
 - Phase III testing costs provided in budget are estimated prices:
 - EBRC informal predictions for Ag
 - WCA/BIBRA estimates, considering two substances per category will undergo testing (likely to be up to 16 categories for PGM and 2 categories for Re).
 - It needs to be confirmed with one concerned Member whether it indeed m/I APR in 10-100 tonnes/year tonnage. Otherwise, if none of the Re substances are manufactured or imported in volumes of 10 tonnes or more per year, it is likely that Re work programme will not require Phase IV costs.

2.5.3. 2008(II) invoices



- Estimates of amounts to be invoiced are available in Members' confidential envelopes:
 - Please check number of substances and intermediates, and tonnage bands.
 - Should any figure be incorrect, please notify Secretariat **before mid July 2008**.
- They have been calculated considering:
 - Total of 479 009,50 € to be invoiced for 2008(II):
 - Including new Members' substances and associated tonnage bands,
 - Excluding new Members' reimbursements of 2007 and 2008(1) costs,
 - Excluding costs for PM cyanides and complex refinables,
 - Excluding Intermediates Registration Dossier costs - those companies registering (only) intermediates will not be invited to pay for this until the cost of producing the Registration will be calculated.
 - New cost-sharing formula, as approved in adjusted Consortium Agreement.
- Invoices shall be paid within the two months following the invoice reception (~mid September), otherwise → Member is in breach and loses right to vote!
- Extract of Article 1 of Appendix 9: "*The cost-sharing formula should not result in any Member paying more than what it would have paid to meet its obligations under the REACH Regulation without joining the Precious Metals and Rhenium Consortium.*"
 - Please take a look at next slide, which presents costs involved in fulfilling all information requirements for REACH, as predicted by the Commission in 2006:
 - Consortium expenses are still far away from those figures!
 - Thank you for contributing to this cost-efficiency!



FYI


2.5.4. Predicted costs to prepare the Technical Dossier

(Cost per substance, excluding CSR and other exposure related projects, reporting and modelling costs)

			Data Annex X 2.500.000€
		Data Annex IX 730.000€	Data Annex IX 730.000€
	Data Annex VIII 240.000€	Data Annex VIII 240.000€	Data Annex VIII 240.000€
Data Annex VII 42.100€	Data Annex VII 42.100€	Data Annex VII 42.100€	Data Annex VII 42.100€
≥1 t/a	≥10 t/a	≥100 t/a	≥1.000 t/a
Registration 1.200€	Registration 3.200€	Registration 8.800€	Registration 24.000€
Σ 45.000€	Σ 285.000€	Σ 1.000.000€	Σ 3.500.000€

Precious Metals and Rhenium Consortium 87

FYI



Invoices will be sent by mid-July
Any question or suggestion?

Precious Metals and Rhenium Consortium 88



Ag

Au

Ir

Os

Pd

Pt

Rh

Ru

Coffee or Tea Break



Ag

Au

Ir

Os

Pd

Pt

Rh

Ru

3. Pre-registration preparedness

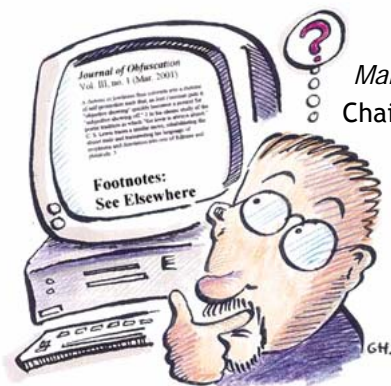
Caroline Braibant, EPMF

Secretariat & Trustee

&

Mark Raffray, Johnson Matthey

Chair of Technical Advisory Panel



Ag
Au
Ir
Os
Pd
Pt
Rh
Ru

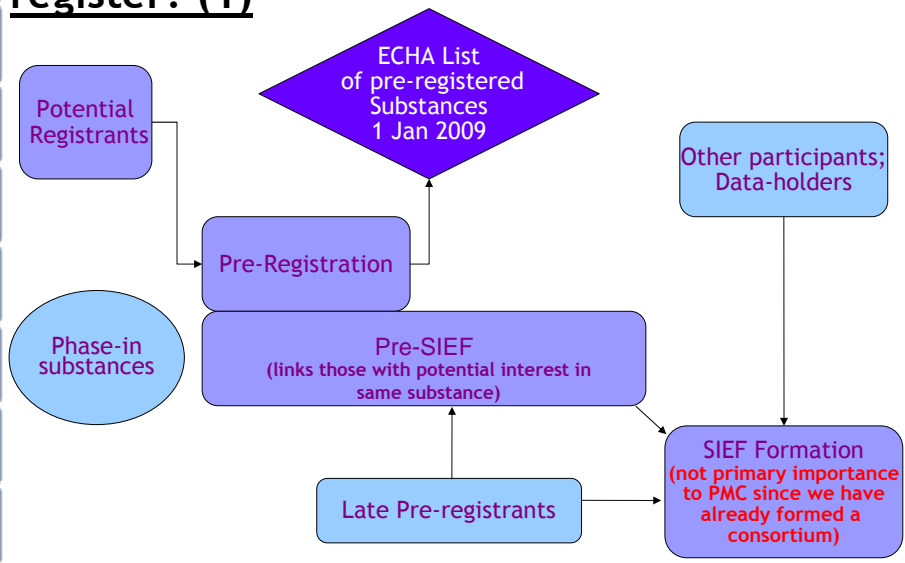


3.1. What is pre-registration? Why pre-register?

Ag
Au
Ir
Os
Pd
Pt
Rh
Ru



3.1. What is pre-registration? Why pre-register? (1)



3.1. What is pre-registration? Why pre-register? (2)



Ag
Au
Ir
Os
Pd
Pt
Rh
Ru

- Pre-registration is a tool which enables you to **register later** rather than before the 1st of December 2008:
 - There is no Pre-registration fee.
 - Do not regard Pre-registration as an early Registration process (two different things!)
 - Pre-registration should be considered as a recommendation, not as an option!
- **If you do not pre-register**, you must register immediately or **stop manufacturing/importing** your substance!
- By Pre-registering:
 - You indicate your **interest** in registering the substance (but you are not obliged to register in the end);
 - You become part of a **SIEF** (although you can change your mind and become a “dormant participant”);
 - You benefit from deferred registration deadlines for Phase-in substances (it maximises the registration time, it enables you to join forces with other pre-registrants to produce the Registration Dossier, and meantime assures you an access to the market).
- **Consortium recommendation:** Pre-register your concerned substances and intermediates before the 1st of December 2008!

Precious Metals and Rhenium Consortium

93

3.2.

Who pre-registers?

How to define “legal entity”?

How to appoint an OR?

Do I need a Third Party Representative?

Ag
Au
Ir
Os
Pd
Pt
Rh
Ru




Precious Metals and Rhenium Consortium

94

FYI

3.2. Who pre-registers? How to define “legal entity”?




- Pre-registration must be performed by and per each EEA legal entity:
 - Non-EEA legal entities cannot pre-register themselves!
 - Consortium cannot pre-register!
- A legal entity is chartered by the states where it is organised, and therefore has legal standing and the legal capacity to:
 - Enter into a contract or an agreement, and assume legal (contractual) and financial obligations (it can incur and pay off its debts).
 - Sue and be sued in its own right,
 - Be held responsible for its actions.
- A legal entity can be:
 - An individual, industrial or commercial firm, an SME, a university, a research organisation, a partnership, a proprietorship, a corporation, an association, an Associated State, a Third State, a country with a Co-operation Agreement, or other organisation;
 - A daughter company or subsidiary in the EEA, but **not a branch office** (so-called “*succursales*” or “*Zweigniederlassung*”);
 - Composed of one or more sites;
- The definition of legal entity is not generic and may vary from one source to another, one context to another, one EU Member State to another - Please consult your Competent Authorities in case of doubt!

Precious Metals and Rhenium Consortium 95

FYI

3.2. Representatives under REACH



REPRESENTATIVE	ONLY REPRESENTATIVE (OR)	THIRD PARTY REPRESENTATIVE (TPR)
<i>Appointed by:</i>	Non-EU manufacturers only.	Any EU or non-EU manufacturer or importer.
<i>In order to:</i>	<ul style="list-style-type: none"> • Represent it, • Fulfil the obligations on importers under REACH, • Relieve the importers of the non-EEA manufacturer from Registration obligations. 	<ul style="list-style-type: none"> • Represent it, • Protect its contact details, • Not disclose the company's interest in a particular substance to anyone but the Agency, • Act as a façade in SIEF exchanges.
<i>The Representative may represent:</i>	Several non-EU manufacturers but: <ul style="list-style-type: none"> • Tonnages cannot be aggregated (one Registration per represented non-EU manufacturer), • Confidentiality and Competition Law shall be abided, • Prevent and avoid any conflict of interest. 	Several registrants but: <ul style="list-style-type: none"> • Tonnages cannot be aggregated (one Registration per represented registrant), • Confidentiality and Competition Law shall be abided, • Prevent and avoid any conflict of interest in positive situations
<i>The Representative holds:</i>	Full liability for any of the REACH obligations of the entity it represents, who in turn retains full responsibility for complying with is obligations under REACH, except otherwise specified in the contractual agreement.	Full liability for any of the REACH obligations of the entity it represents, who in turn retains full responsibility for complying with is obligations under REACH, except otherwise specified in the contractual agreement.

Recommendation: Use template contracts! (Soon available to PM Consortium Members)

The more legal entities and representatives a company works with under REACH, the more organised it should be, from both an administrative and a regulatory point of view!

Precious Metals and Rhenium Consortium 96



Ag
Au
Ir
Os
Pd
Pt
Rh
Ru

3.3.

What to pre-register?

Pre-registration for special cases.

What is within and outside the scope?

How to calculate the applicable tonnage band?



Ag
Au
Ir
Os
Pd
Pt
Rh
Ru

3.3. What is in scope of Pre-registration?

To be pre-registered:

- **Substances** on their own:
 - "Regular" substances, and substances that are used as intermediates.
 - Mono-, multi-constituent substances, and UVCB.
- **Substances** in preparations and in special preparations (alloys).
- **Substances** in articles with intended release.

Ores and ore concentrates that are not chemically modified do not need to be registered!

Check the applicable definitions and National legislations!

Exemptions from Pre-registration:

- **Substances** used in medicinal products within scope of regulation 726/2004 and Directive 2001/82/EC for human or veterinary use.
- **Substances** used in food or feeding stuff within scope of regulation 178/2002.
- **Substances** that have been registered, exported and re-imported by the same actor in the same supply chain.
- **Substances** included in Annex IV and V.
- Radioactive **substances** within scope of Directive 96/26/EC.
- **Substances** under customs supervision and temporary storage that do not undergo any treatment of processing.
- **Substance** in free zones or free warehouses to be re-exported.
- **Substances** in transit.
- Non-isolated intermediates.
- Waste.
- **Ad hoc exemptions** (e.g. Defence, specific MS exemptions).

FYI

3.3. Which are eligible Phase-in substances?

```

graph TD
    Q1{manufactured / imported in EU, listed on EINECS?}
    Q2{placed on the market in EU, considered "no-longer polymer"?}
    Q3{manufactured in EU (15 year period), but not placed on the market? (e.g. intermediates, R&D)}
    Q4{notified as "new substance" under 67/548/EC?}
    
    Q1 -- Yes --> PIS1[Phase-In Substance]
    PIS1 --> PR1[Pre-Registration]
    
    Q1 -- No --> Q2
    Q2 -- Yes --> PIS2[Phase-In Substance]
    PIS2 --> PR2[Pre-Registration]
    
    Q2 -- No --> Q3
    Q3 -- Yes --> PIS3[Phase-In Substance]
    PIS3 --> PR3[Pre-Registration]
    
    Q3 -- No --> Q4
    Q4 -- Yes --> NPIS1[Non-Phase-In Substance but regarded as registered]
    NPIS1 --> PR4[Pre-Registration not required]
    
    Q4 -- No --> NPIS2[Non-Phase-In Substance]
    NPIS2 --> REG[Registration]
  
```

Precious Metals and Rhenium Consortium 99

FYI


3.3. What to pre-register?

- Only substances should be pre-registered:
 - Preparations, mixtures or solutions:
 - they should not as such be pre-registered,
 - each one of its component substances (if > than 1 tonne/year of the component) should be pre-registered.
 - Melted alloys (such as precious metal alloys) are special preparations under REACH, therefore:
 - they should not as such be pre-registered,
 - each one of its component substances (if > than 1 tonne/year of the component) should be pre-registered.
 - Articles:
 - they should not be pre-registered,
 - in the event the imported article contains a substance which is likely or intended to be released under normal and foreseeable conditions of use, then this substance must be pre-registered.

Precious Metals and Rhenium Consortium 100

FYI

3.3. Pre-registration for special cases.




- **Product/Waste borderline cases (e.g.: slags):**
 - You may pre-register as a precaution, especially if EINECS number is available;
 - You need to follow-up developments on REACH and waste + National Authorities waste legislation and REACH implementation before you actually register (e.g.: CA/24/2008 available in handouts).
- **Recovered substances:**
 - You may pre-register as a precaution;
 - You need to follow-up on REACH and waste discussions (e.g.: CA/24/2008 available in handouts) and obtain all relevant information to benefit from Article 2(7)d exemption before deciding whether or not to register.
- **Substances produced by tolling:**
 - Even if you are not the owner of the substance you toll, under the REACH Regulation you are likely to be the one fulfilling the definition of 'manufacturer' in the event tolling involves chemical modification (e.g.: smelting);
 - As a precaution, pre-register the substances you toll and make sure you establish a cooperative relationship with the owner of these substances in case you will require to share data or costs.
- **ELINCS substances:**
 - If you are not the author/owner of the notification under Dir 67/548, you should **register** this substance **ASAP**;
 - If you are the author of the notification under Dir. 67/548:
 - You will receive a Registration Number and will be invited to share your data with the remaining registrants.
 - Low volume notifications (10 kg to <1 tonne per year) are in scope but any registration data gaps for higher tonnages will have to be filled.

Precious Metals and Rhenium Consortium 101

FYI

3.3. How to calculate the applicable tonnage band? (1)



Article 3(30) of the REACH Regulation:

- "Per year" means per calendar year, unless stated otherwise, for phase-in substances that have been imported or manufactured for at least three consecutive years.
- Quantities per year shall be calculated on the basis of the average production or import volumes for the three preceding calendar years.

To be combined with commercial strategies:

- Some companies might want to work with **several legal entities** to decrease the individual volumes and associated information requirements → might lead to higher administrative burden and multiplied Registration costs.
- Some companies might want to decrease or **stop manufacturing or importing** in order to be able to register in lower tonnage band or not at all → Restrictive!
- As a precaution, some companies might want to **register in higher tonnage band than the current actual one** in case business improves and/or they intend to import from additional non-EU suppliers.
- As a precaution, some companies might want to register substances and intermediates they do **not yet manufacture or import in volumes of more than one tonne per year** in order to provide transparent REACH-compliance to their customers.

Precious Metals and Rhenium Consortium 102

FYI

3.3. How to calculate the applicable tonnage band? (2)

Technical Guidance Document on Registration:

- In the event a legal entity is manufacturing or importing a material under all or some of the following forms:
 - As a substance on its own, ⇒ Sum up to registered tonnage
 - As a component of one or several preparations and/or alloys, ⇒ Sum up to registered tonnage
 - Contained in an imported article with intended release, ⇒ Make reference in Registration Dossier
 - As an intermediate, ⇒ Make reference in Registration Dossier
 - To be used in PPORD applications. ⇒ Notify separately to Agency

The final tonnage to be registered (and its associated information requirements) can be limited to the volume of the substance itself + the quantity of substance contained in each preparation and/or alloy, as long as:

- The tonnage of the substance in the imported articles with intended release is below one tonne per year (otherwise it must be included as use in Registration Dossier).
- The use as intermediate (and the tonnage corresponding to the intermediate) is included in the Registration Dossier,
- A notification is made to the Agency for the use in PPORD.

Precious Metals and Rhenium Consortium 103

3.4.

How to pre-register?

How to select the most appropriate IT tool?

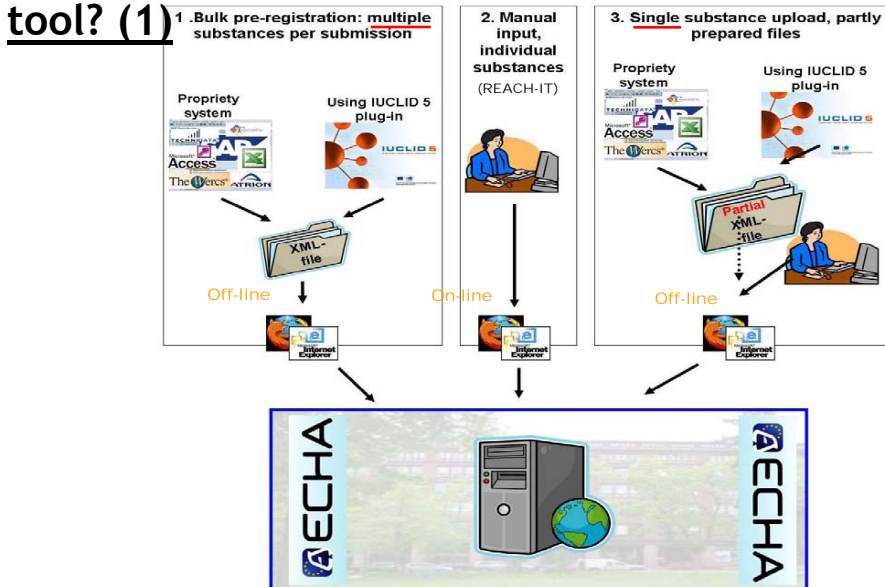
Pre-registration consequences

Precious Metals and Rhenium Consortium 104

3.4. How to pre-register?

- Have you **inventoried** all your materials per substance, per legal entity, and per role under REACH?
 - Have you appointed a person **responsible for REACH Pre-registration** in your company(ies)?
 - For non-precious metals or rhenium materials: have you cross-checked with other relevant consortia and/or SIEF that your pre-registration initiatives are, whenever possible, in line with the proposed approach?
 - Have you identified, appointed and signed a contract with your **Only Representative or Third Party Representative**, when applicable?
 - Have you **signed up** to the REACH IT system and created a company account?
 - Have you selected the **most appropriate IT tool** and you are familiarised/comfortable with it?
 - Have you **at hand**: the name, ID code(s), REACH category, tonnage band and envisaged registration deadline for each one of your materials including any Consortium recommendation?
- If the answer is YES: **You are ready to pre-register!**
 → If the answer is NO: **Please pay attention to the coming slides!**

3.4. How to select the most appropriate IT tool? (1)



FYI

3.4. How to select the most appropriate tool? (2)

Online pre-registration:

1. Is **accessible** since 1st of June 2008 (some functionalities remain unavailable).
2. Enter **required information online and manually:**
 - Directly on REACH IT;
 - For each substance and each legal entity (single entry).
3. **Level of flexibility:**
 - Can be done by using the **name of the substance** in the event no EC exists.
 - **One shot:** be sure you have all necessary information at hand when connecting to pre-register as you cannot save your pre-registration in order to complete/submit it later.
 - Need to make print screens in order to retain copy of full pre-registration of each substance.
4. By the time registration comes, **need to re-enter all above data in Registration Dossier again.**

Offline pre-registration:

1. Some tools are already **available** and ready to be used (e.g.: IUCLID 5 plug-in or other .XML tools).
2. Prepare your file **offline and:**
 - Upload it on the REACH IT;
 - For each individual substance (single submission), or per group of substances (bulk submission).
3. **Level of flexibility:**
 - **EINECS number** required.
 - **Progressive completion:** you can prepare your pre-registration at your rhythm, save it each time, and upload it once it is complete.
 - Offline file constitutes a full copy of the pre-registration of the substance.
4. The **Registration Dossier can be prepared by completing the offline file used for Pre-registration.**

Precious Metals and Rhenium Consortium 107

3.4. How to select the most appropriate tool? (3) (Source: ECHA guide on IUCLID website)

	Manual input (on-line in REACH-IT)	Upload a single substance created in IUCLID or other application*	Bulk upload of multiple substances created in IUCLID or other application*
Substance listed in the EC Inventory <i>or</i> Multi-constituent substance with all constituents in Inventory	✓	✓	✓
Substance NOT listed in the EC Inventory <i>or</i> Multi-constituent substance where one or more constituents is NOT listed	✓	✓	✗
Newcomer pre-registration after 1 Dec 2008	✓	✓	✗

*Other application capable of creating IUCLID format files, e.g. Excel to xml

Precious Metals and Rhenium Consortium 108

Ag

Au

Ir

Os

Pd

Pt

Rh

Ru



3.5. Where to get information, help, assistance in respect of pre-registering?

Precious Metals and Rhenium Consortium

109

Ag

Au

Ir

Os

Pd

Pt

Rh

Ru



3.5. Consortium's support for Pre- registration

- Each Attendee will have received a meeting file containing a **copy of the presentation** and any eventual non-confidential annexes to it.
- In addition, each Members' Authorised Representative has received:
 - A copy of the **company's Substance and tonnage band declaration** as originally submitted or updated to the Trustee.
 - A copy of the **substance indicative lists (containing the necessary information to complete a structured pre-registration)** for the Sub-Assembly(ies) the company belongs to.
- ❖ In the event one of the above contains incorrect information, please promptly contact the Secretariat.


Precious Metals and Rhenium Consortium

110

FYI

Ag
Au
Ir
Os
Pd
Pt
Rh
Ru

3.5. Other sources of help: IUCLID 5 Plugin in Pre-registration video tutorial



<http://echa.europa.eu/pre-registration>
↓
REACH IT Portal on-line tool to submit pre-registration files (promised by 1 June 2008)
or
IUCLID 5 website [download plugin, support documents, training material and access to IUCLID 5 Help Desk]
↓
<http://ecwbiu5.jrc.it/>
includes video training on IUCLID 5 Pre-registration plugin
↓
e.g. http://ecwbiu5.jrc.it/download/pre-registration/iuclid5_pre-registration1.avi

Precious Metals and Rhenium Consortium

111

FYI



Ag
Au
Ir
Os
Pd
Pt
Rh
Ru

3.5. Other sources of help

- Eurométaux and ICMM leaflet on Pre-registration + Consortium Do's & Don'ts (available soon).
- Eurométaux REACH Metals Gateway and Eurométaux factsheets:
 - Some documents are available to Members of Eurométaux only.
 - Login and password available at beaumont@eurometaux.be.
- **Eurométaux' workshop on Pre-registration in September 2008** (to be announced formally very soon).
- ECHA website regarding high level pre-registration procedures:
 - Guidance on pre-registration and data-sharing.
 - Guidance on registration.
- ECHA IUCLID help and training materials/Help Desk.
- CEFIC Preparation for Pre-registration fact-sheet.
- National authority help desks also a possibility:
 - Maybe not best option if more specific guidance available.

Precious Metals and Rhenium Consortium

112

Ag

Au

Ir

Os

Pd

Pt



Rh

Ru

3.6.

Case studies and examples: application of Consortium's recommendations for a structured pre-registration

Precious Metals and Rhenium Consortium 113

Ag

Au

Ir

Os

Pd

Pt

Rh

Ru

3.6.1. Example 1: Simple mono-constituent substance with EC number

Silver nitrate

Substance information	Type: Mono-constituent
- EC number	231-853-9
- CAS number	
- Name of the substance	Not required; EINECS nr provides primary identifier
- Other identifiers	
Registrant Information	
- Name and address of registrant, contact person, TPR details etc.	Complete this per registrant details
Registration information	
- Tonnage band	100-1000 tpa
- Envisaged registration deadline	2010
- Classification (CMR; R50/53)	R50/53 - Yes
Read-across/category information	
- Name(s) of related substance(s)	PMC recommendation: do not complete

Precious Metals and Rhenium Consortium 114

3.6.2. Example 2: Substance with imprecise/variable composition



Ruthenium trichloride

Substance information

- EC number — 233-167-5
- CAS number
- Name of the substance
- Other identifiers

Not definable by chemical composition alone. **UVCB**

Not required in this example. Identifiers other than EC nr may occasionally be proposed by PMC.

Registrant Information

- Name and address of registrant, contact person, TPR details etc.

Complete this per registrant details

Registration information

- Tonnage band — 1-10 tpa
- Envisaged deadline for registration — 2018
- Classification (CMR; R50/53) — No (fields not flagged)

Read-across/category information

- Name(s) of related substance(s)

PMC recommendation: do not complete

3.6.3. Example 3: Complex refinable related intermediate



PM rich refinable stream (secondary refining context)

Substance information

- EC number
- CAS number — Not available → need to pre-register manually through REACH IT
- Name of the substance — “High grade refinable intermediates, precious metals refining” [PMC list of refinables/intermediates]
- Other identifiers

Not sufficient precise/consistent to be entered as MCS. ∴ **UVCB**

Registrant Information

- Name and address of registrant, contact person, TPR details etc.

Complete this per registrant details

Registration information

- Tonnage band — 100-1000 tpa
- Envisaged deadline for registration — 2013
- Classification (CMR; R50/53) — No (fields not flagged)

Read-across/category information

- Name(s) of related substance(s)

PMC recommendation: do not complete



Ag

Au

Ir

Os

Pd

Pt

Rh

Ru

3.7.

What happens after Pre-registration?

Who is my SIEF Formation Facilitator?



Ag

Au

Ir

Os

Pd

Pt

Rh

Ru

3.7. What happens after pre-registration? (1)

After a successful pre-registration you will:

- Receive a [pre-registration submission number](#)
- Be contacted by the system, which will send you a [message](#) containing:
 1. A link to the submission report containing a summary of the information submitted, when it was submitted and by whom.
 2. A pre-registration number for each substance and legal entity linkage.
- [Access the pre-SIEF web pages](#). You can access your pre-registrations by selecting “view pre-registrations” in the menu.
- Be contacted by the [SIEF Formation Facilitator](#) and other pre-registrants in order to launch SIEF discussions.

REACH logo Contact | Site map | Search | Print version | English (en)

Company > pre-SIEF > View > 202-049-5 You are connected as id (Jane Doe) on behalf of The Chemical Company, Inc. - Logout

3.7. Pre-SIEF webpage

Pre-SIEF definition

Caution:

The Agency does not take any legal liability or responsibility for information shared over this page.

Please note that the participants of this site have not had their identity checked.
By using this site you agree not to disclose any of the information you see to third parties.

EC number: [202-049-5](#)
Substance name: [naphthalene](#)

Substances to read-across:
[203-000-0 naphthalene](#) [58-08-2 caffeine](#)

Information from the SIEF formation facilitator

Dear colleagues,
for the substance naphthalene there will be a SIEF for data exchange available following the link <http://naphthalene.SIEF-Forcal.eu>
Best regards

PRE-SIEF partnership

Company name	Partnership type	Facilitator	Deadline / Tonnage band	Information from member	Contact person name
The Chemical Company, Inc.	Potential registrant	<input type="checkbox"/>	Over 1000 tonnes 01/12/2010	info field...	Jane Doe details...
Chemicals Association	Potential registrant	<input type="checkbox"/>	1 to 10 tonnes 01/06/2018	info field...	John Smith details...
Les Usine Chimiques	Potential registrant	<input type="checkbox"/>		info field...	Jean Dupond details...
Chem Lawyers	Potential registrant	<input type="checkbox"/>		info field...	John Grisham details...
La chimie du Brabant	Third party - MI < 1 tonne / year			info field...	Annie Delacourt details...
Paving factory	Third party - Downstream user			info field...	Jack Down details...

Precious Metals and Rhenium Consortium

FYI

3.7. Who is my SIEF Formation Facilitator?

- The SIEF Formation Facilitator (SFF) is:
 - A legal entity having ticked the SFF box when pre-registering and having been accepted as SFF by the other pre-registrants:
 - It might be a competitor or one of your affiliated legal entities.
 - It might be linked to the Consortium or not:
 - It can be a member of the Consortium having pro-actively “blocked” this function to ensure eventual link with Consortium.
 - It can be a legal entity which has not yet or will not join the Consortium.
 - Responsible for launching and organising (Pre-)SIEF activities on a voluntary basis:
 - Voluntary = Not mandatory.
 - Whenever possible, and in line with Confidentiality and Competition Law, Consortium’s Secretariat shall be used as SIEF facilitating entity.
 - Not legally bound to, or liable under, REACH.

Precious Metals and Rhenium Consortium 120

FYI

3.7. What happens after pre-registration?
(2)

- SFF will launch (directly or through Consortium Secretariat) exchanges at (Pre-)SIEF level so pre-registrants can agree on:
 - Confidentiality and data exchange;
 - Substance sameness - once agreed, Pre-SIEF becomes SIEF;
 - How will communication between non-Consortium and Consortium pre-registrants be established;
 - How communication with other SIEF and consortia will be established, Classification and labelling (notification to the Agency due by November 2010);
 - Data- and cost-sharing;
 - Who will participate to joint submission;
 - What parts of the Registration Dossier will be submitted jointly;
 - Preparation of content of joint part of Registration Dossier.

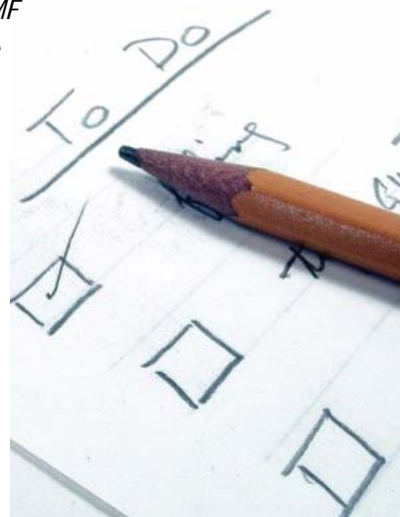
Precious Metals and Rhenium Consortium 121

Any question or suggestion?

Precious Metals and Rhenium Consortium 122

4. Key tasks, proposed timeline, next Assembly meeting

Caroline Braibant, EPMF
Secretariat & Trustee



Ag
Au
Ir
Os
Pd
Pt
Rh
Ru

Precious Metals and Rhenium Consortium

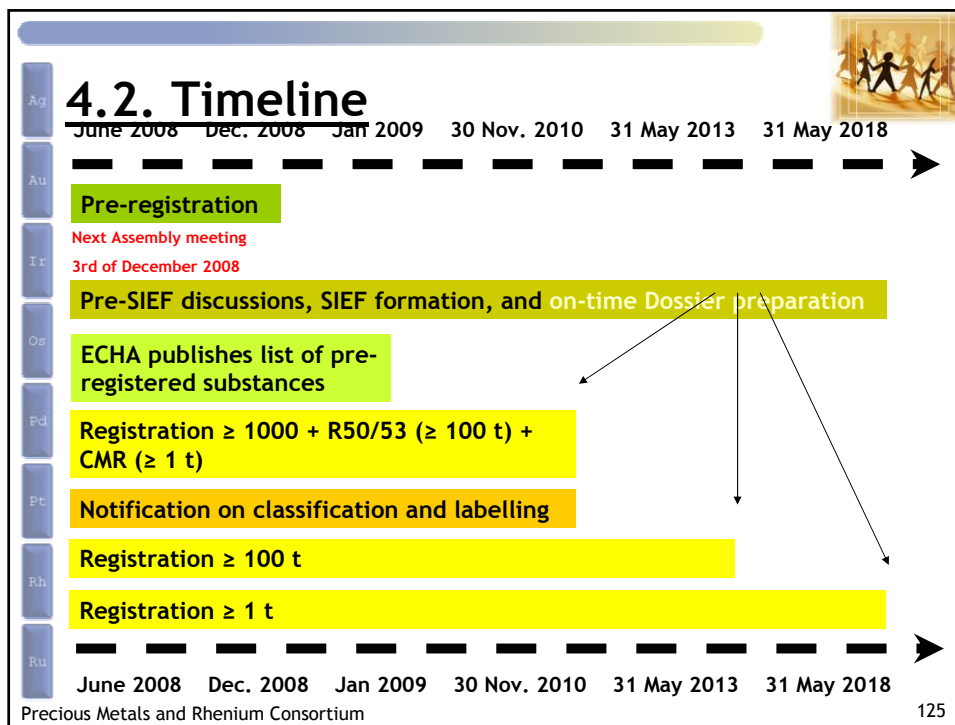
123

4.1. Key tasks - to be achieved before end of summer 2008

Trustee	<ul style="list-style-type: none"> Re-send requests, reminders and clarifications. Gather and compile received data and studies. Organise meetings to complete Pre-registration recommendations.
TAP	<ul style="list-style-type: none"> Liaise with Trustee to progress with consultants (data gap analysis report assessment, confirmation of indicative list).
Ag WG	<ul style="list-style-type: none"> Assess Phase IIa data gap analysis reports.
Au WG	<ul style="list-style-type: none"> Gather and send all available information on gold and gold substance to Trustee. Launch work programme on precious metal cyanides.
PGM's WG	<ul style="list-style-type: none"> For technical task force to meet again and complete substance sameness and substance category recommendations. Gather and send all available information on PGM and PGM substance to Trustee.
Re WG	<ul style="list-style-type: none"> Hold second Re WG meeting and appoint Chairperson. Gather and send all available information on rhenium and rhenium substances to Trustee.
PM Refiners	<ul style="list-style-type: none"> Finalise criteria to define "Low grade/High grade refinable intermediates, precious metals refining" entry for structured pre-registration. Complete pre-registration recommendations for complex refinables.
MC	<ul style="list-style-type: none"> Follow-up on consultants project and provide input/comments/decision upon request.
Joint	<ul style="list-style-type: none"> Interview and hire a suitable Scientific Manager.



Ag
Au
Ir
Os
Pd
Pt
Rh
Ru



4.3. Next Assembly meetings

Next Assembly Meeting ('Winter meeting')

- Brussels (Belgium), 3rd of December 2008 (full day).

Next Plenary Meeting ('Summer meeting')

- Lugano (Switzerland),
 - Meeting: 19th of June 2009 (full day).
 - Visit/Tour/Excursion: 20th of June 2009 (am + lunch).

Precious Metals and Rhenium Consortium 126

Ag
Au
Ir
Os
Pd
Pt
Rh
Ru



Any other business?

Ag
Au
Ir
Os
Pd
Pt
Rh
Ru



5. Conclusion

Andrew Griffiths, Umicore
Chair Management Committee

&

Jeff Levison, Vale Inco
Co-Chair Management Committee



Ag
Au
Ir
Os
Pd
Pt
Rh
Ru



Thank you in particular to our hosts.
Please enjoy your lunch!

For those of you joining us for this evening's dinner, please wear comfortable clothing and be at the Hotel reception at 8:30 p.m. so we can leave together by bus.

Otherwise...
We hope to see you in December!



Precious Metals and Rhenium Consortium