Precious Metals Consortium

Precious Metals & Rhenium Consortium

General Assembly Meeting

1 & 2 December 2015 | Brussels, Belgium

Precious Metals Consortium

1. Welcome and Introduction

Guy Ethier
Umicore

1.1 Confidentiality and Competition Law

DO	DON'T
Application of competition law	
Art. 101 and 102 TFEU may be applicable to the conclusion of any preliminary agreement and activities of any preliminary phase.	Don't assume that conflicts with competition law are excluded simply by the fact that the Agreement complies with the provisions of the REACH Regulation.
Consultation in Matters of Competition Law	
Consult an in-house legal expert or the compliance officer of your company or an external lawyer whenever there are uncertainties respecting compliance with competition law. Stop all meetings/discussions which are not in compliance with these Compliance Guidelines until a legal expert has been involved.	Don't assume that these Compliance Guidelines deal with all competition law issues exhaustively. Basically, compliance with Art. 101 and 102 TFEU can be determined only on the basis of market impact in each individual case. These Compliance Guidelines may therefore be regarded only as a means of providing general conduct recommendations.
Activities in any preliminary phase and at any other stage of operation of the Consortium	
Restrict cooperation within the scope of the preliminary phase to the initially defined goals and purposes of the cooperation.	Pursuant to Art. 101 and 102 TFEU, activities which have the object of the effect of preventing, restricting and/or distorting competition are prohibited within the scope of this Agreement, including: - Coming to agreement, including arrangements or collusions, about prices, markets and customers (see Art. 101 paragraph 1 a)-e) TFEU); - Joint boycotting of other companies; - The unjustified unequal treatment of trade partners; - The abusive exploitation of a dominating market position.
Exchange of Confidential Information	
Involve a Trustee for the exchange of Confidential Information.	The exchange of information concerning market behaviour and having the object or the effect of preventing, restricting and/or distorting competition is inadmissible; in particular, this relates to : - Production capacities; - Productions or sales volumes; - Import volumes; - Market shares; - Price policy; - Distribution and marketing terms; - Marketing strategies; - Information regarding the relationship with suppliers.
Documentation on Cooperation	
Keep minutes of all meetings which detail the subject of the meeting. In case of uncertainty, have the contents of the minutes reviewed by an external legal expert prior to sending them to all parties of the Agreement. Stop all meetings which are not in compliance with these Guidelines until a legal expert has been involved.	

1.2 Tour de table, quorum and apologies

Cf. attendance list

1.3 Approval of the agenda 01/12/2015

1 Welcome and Introduction

1.1 Confidentiality and Competition Law

1.2 Tour de table, quorum and apologies

1.3 Approval of the agenda

1.4 Approval of the minutes of the last meeting including status of action items

2 PMC Membership news

2.1 PMC staff reorganisation

2.2 PMC WG chairmanships

3 Update on PMC Registration Projects

4 Closing remarks

1.4 Approval of the minutes of the last meeting (04/06/15) including status of action items

Actions	Who?	By When?	Status
Communicate to I2a final recommendation of EPMF regarding mutualization of resources	FC	5 June 2015	DONE
Check for refinables intermediates under SCC if transported or on-site	KA	End of June 2015	DONE
SDS: add in 2017 budget and resources for extracting relevant information to draft SDS	FC	Summer 2015	DONE
Add an extra line in the accounts presentation to show the amount of money committed	FC/AR	Summer 2015	DONE
Cost sharing ï refinables: updated wording must be sent to the Assembly with 28 days for final approval	FC	Mid-July 2015	DONE
Cost-sharing ï nanos: send suggestions to Secretariat	ALL	October 2015	DONE
Cost-sharing ï nanos: issue to be discussed again in December 2015	FC	December 2015	DONE
Cost-sharing ï LoA: update the costs as agreed by the Assembly and based on 2015 cost sharing formula (to be reviewed in 2016 if needed)	FC/AR	June 2015	DONE
Cost-sharing ï generic costs and PGM: prepare a resolution on PGM and Generic costs to be presented in preparation of a vote in December 2015 and include a simulation for the companies.	FC/AR	October 2015	DONE
2016: Simulation for companies fee	AR	October 2015	DONE
Circulation of DD comments to Ag producers/importers	KA	5 June 2015	DONE
Update of the DD comments according to feedback	KA	14 June 2015	DONE
Submission of DD comments to ECHA	Heraeus	15 June 2015	DONE
Set up a call of Ag WG to discuss EBRC comments on silver zinc zeolite CLH dossier.	KA	ASAP	DONE
Rh: check if some compounds cannot be registered earlier	KR	Summer 2015	ONGOING

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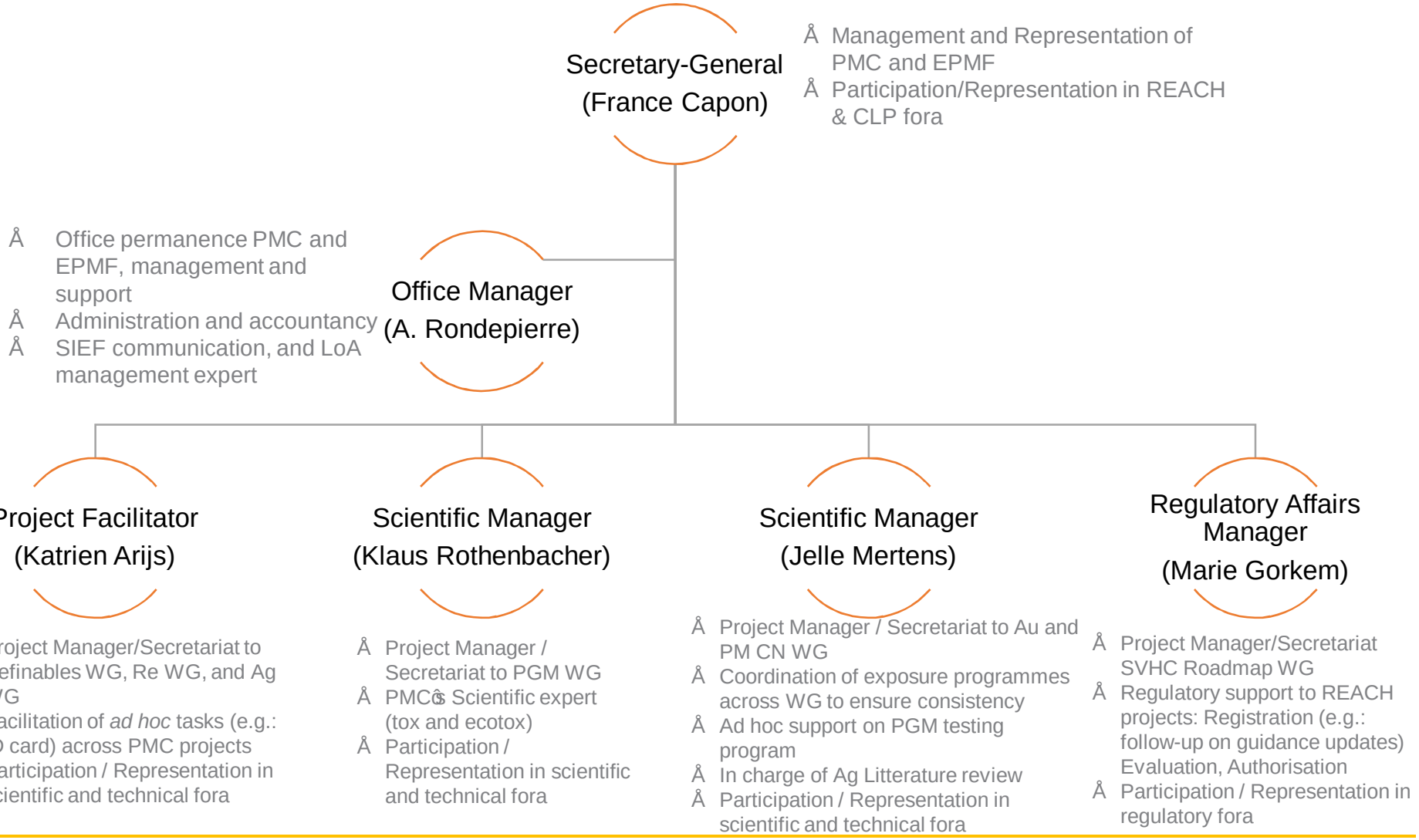
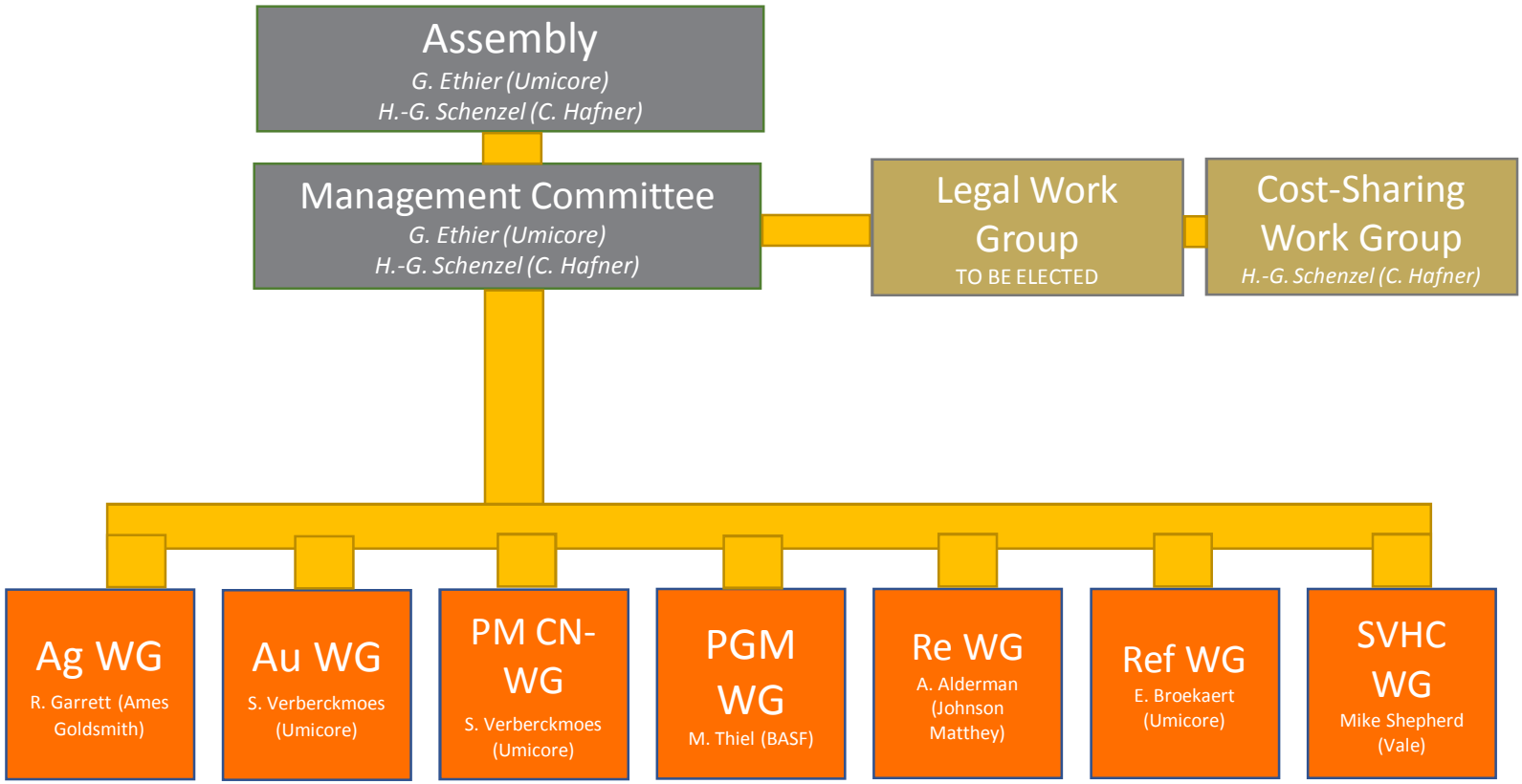
2. PMC Membership news

France Capon
EPMF

2.1 PMC staff reorganisation



2.2 PMC Work Groups chairmanships



Precious Metals Consortium

3. Update on PMC Registration Projects

PMC team
EPMF

3.1 Ag Project : Finance

Katrien Arijs

Status of 2015 accounts (Jan-Oct)

		Budget	Real	Delta
2.2	***Ag-specific costs***	***241.415 ú***	***110.956 ú***	***130.460 ú***
2.2.1	**Ag REACH registration and CLP notification work programme**	**241.415 ú**	**110.956 ú**	***130.460 ú***
2.2.1.1	*Phase 1: Literature search, data gap analysis, and recommendations (e.g. CLP update)*	83.786 ú	32.729 ú	*51.057* ***ú***
2.2.1.2	*Phase 2: In-depth data gap analysis, integrated testing strategy*	0 ú	0 ú	*0* ***ú***
2.2.1.3	*Phase 3: Experimental studies (enabling, main and supporting studies)*	0 ú	0 ú	*0* ***ú***
2.2.1.4	*Phase 4: Generation of Chemical Safety Reports*	0 ú	0 ú	*0* ***ú***
2.2.1.5	*Phase 5: Generation of IUCLID 5 Files and Registration Dossiers*	0 ú		*0* ***ú***
	IUCLID 5 Hosting System	3.150 ú	2.006 ú	*1.144* ***ú***
2.2.1.6	*Phase 6: Post-registration work*	0 ú		*0* ***ú***
	Substance identification and characterisation	0 ú		*0* ***ú***
	Environment	101.400 ú	2.988 ú	*98.412* ***ú***
	Human health	18.572 ú	45.513 ú	*-26.940* ***ú***
	Dossier update et al.	34.507 ú	27.720 ú	*6.787* ***ú***

Environment: Oyster test and marine SSD testing cancelled following the SEv draft decision

Human health: Budget overrun due to the silver zinc zeolite CLH

Total actuals 2007- 2015: ú 2.627.117,00

3.1 Ag Project : 2016 Budget

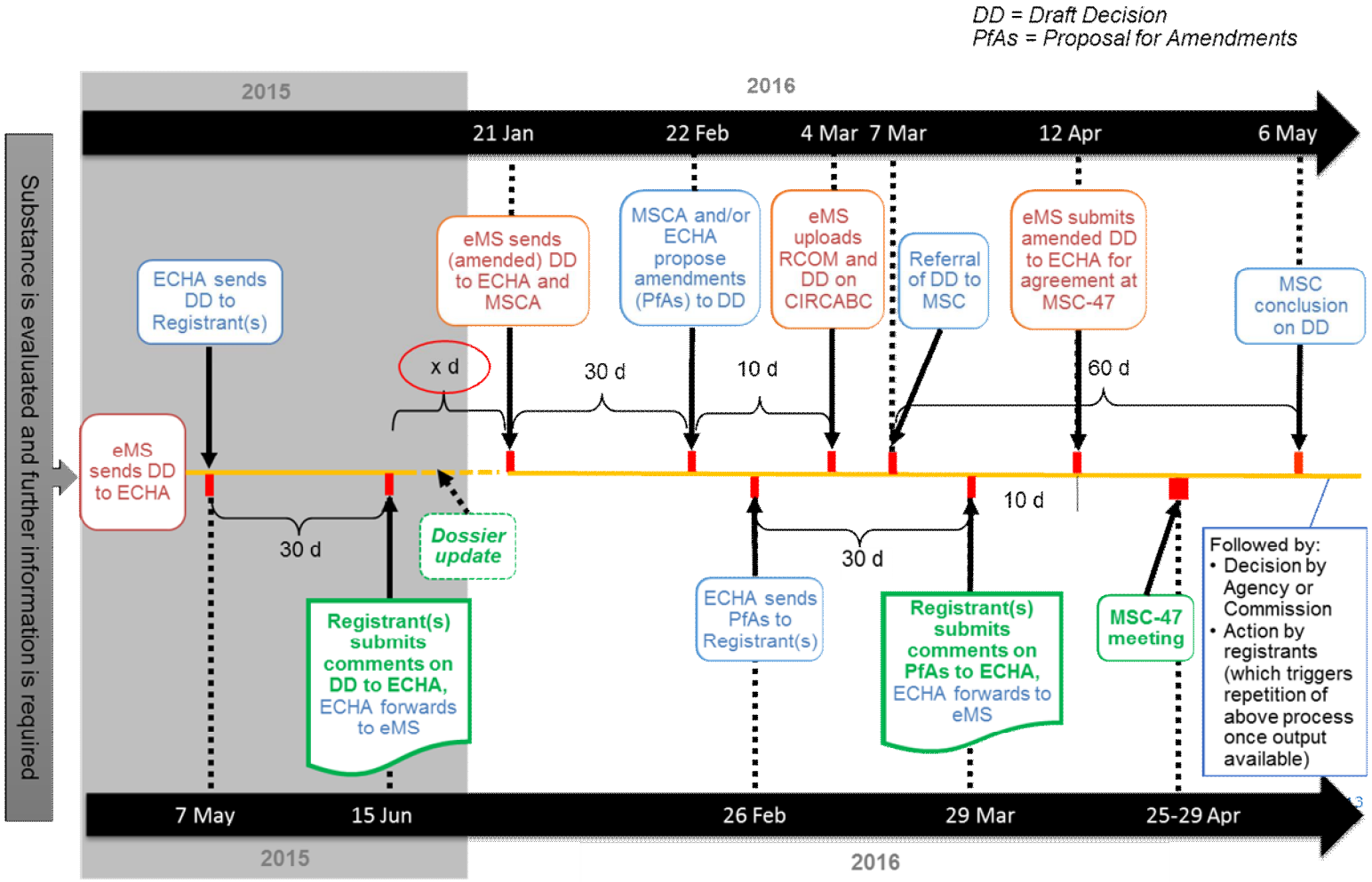
Katrien Arijs

		PMC 2016 Budget *to be spent*	PMC 2016 Budget *to be invoiced*	PMC 2016 HR
2.2	***Ag-specific costs***	***681.250 ú***	***689.902 ú***	***0,8***
2.2.1	**Ag REACH registration**	**0 ú**	**0 ú**	
2.2.1.1	*Phase 1: Literature search, data gap analysis, and recommendations*	0 ú	0 ú	
2.2.1.2	*Phase 2: In-depth data gap analysis, integrated testing strategy*	0 ú	0 ú	
2.2.1.3	*Phase 3: Experimental studies (enabling, main and supporting studies)*	0 ú	0 ú	
2.2.1.4	*Phase 4: Generation of Chemical Safety Reports*	0 ú	0 ú	
2.2.1.5a	*Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers*	0 ú	0 ú	
2.2.1.5b	*Phase 5b: IUCLID 5 Hosting System*	0 ú	0 ú	
2.2.2	**Ag REACH dossier maintenance**	**52.250 ú**	**52.250 ú**	
2.2.2.1	*Phase 1: Literature search, data gap analysis and recommendations*	47.250 ú	47.250 ú	
2.2.2.2	*Phase 2: In-depth data gap analysis and integrated testing strategy*	0 ú	0 ú	
2.2.2.3	*Phase 3: Experimental studies (testing programme including cost of samples)*	0 ú	0 ú	
2.2.2.4	*Phase 4: Generation of Chemical Safety Report*	0 ú	0 ú	
2.2.2.5a	*Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers*	0 ú	0 ú	
2.2.2.5b	*Phase 5b: IUCLID 5 Hosting System*	5.000 ú	5.000 ú	
2.2.2.6	*Phase 6: Administration/others (secretariat work for project management, organisation & participation in meetings, communication)*			
2.2.3	**Ag REACH evaluation**	**491.250 ú**	**491.250 ú**	
2.2.3.1	*Dossier evaluation*	4.500 ú	4.500 ú	
2.2.3.2	*Substance evaluation*	486.750 ú	486.750 ú	
2.2.4	**Ag REACH classification & labelling**	**50.000 ú**	**50.000 ú**	
2.2.5	**Ag REACH authorisation *(not relevant)***	**0 ú**	**0 ú**	
2.2.6	**Ag internal and external fixed Scientific Managers**	**87.750 ú**	**87.750 ú**	
2.2.7	**Ag Building reserves**		**8.652 ú**	

3.1 Ag Project : Main achievements in 2015

Ag Evaluation (1)

Katrien Arijs



3.1 Ag Project : Main achievements in 2015

Ag Evaluation (2)

Katrien Arijs

- **Substance evaluation (SEv)** is based on registrations and other relevant and available information

- **Initial grounds for concern**: Nanoparticles / ecotox of different forms of the substance; env. fate; exposure / wide dispersive use; aggregated tonnage

  ➔ scope of SEv limited to the properties of and information on **nanoforms of Ag**

- **Draft decision (DD)**: further information was required to clarify the initial concerns:
  - **Phys-chem** properties of nanoAg (granulometry, specific surface area, surface treating agent(s), dissolution rate, density, point of zero charge)
  - **Fate in soil** (not routine testingé)
  - **Ecotoxicity** studies (OECD tests with algae, *Daphnia*, soil micro-organisms)
  - **Uses** of nanoAg

3.1 Ag Project : Main achievements in 2015

Ag Evaluation (3)

Katrien Arijs

- **PMC general comments on DD**:
  - Concern on proportionality and hypothesis-driven research nature of certain requests
  - Clarification of terminology (grade ➔ form)
  - Extension of timeframe to comply with the decision
  - Identification of nanoAg registrants
  - Request to re-assess weight-of-evidence + reference to recent paper
- **PMC comments on phys-chem requirements**: related to methodology
- **PMC comments on requirements fate in soil**:
  - Selection of soils
  - Request for advice from eMSCA during course of testing
  - Request for consideration of recent paper that further discussions on fate of nanoAg is soils
  - Suggestion of aging process
- **PMC comments on ecotox requirements**: related to methodology (media/soils)

3.1 Ag Project : Main achievements in 2015

Ag Evaluation (4)

Katrien Arijs

RIVM agreed to **dossier update** following DD:

- Several registrants erroneously identified as nanoAg registrants ➔ update of IUCLID Section 1.2 (**composition**) to more accurately identify and reflect the number of nanoAg registrants:
  - Generic compositions ONLY in LR file
  - Each LE to add LE-specific composition(s) in own dossier
- Inclusion of **2 additional studies** in support of comments on DD:
  - Notter *et al.* (2014): meta-analysis demonstrating that almost 94% of published acute tox values show that nanoAg is less toxic than ionic Ag
  - Navarro *et al.* (2014): study on Ag remobilisation from Ag and Ag2S nanoparticles in soils showing measure of release of Ag in soils is generally less than 25% of that retained in soils
- Inclusion of **EOGRTS testing proposal** (unrelated to DD - cf. next slide)

➔ LR and co-registrants updated their dossier by **1 Nov**

3.1 Ag Project : Main achievements in 2015

Ag Testing

Katrien Arijs

Å SEv testing

- Å **Pilot testing *Daphnia* media** ongoing to assess viability of media modifications suggested in DD for T/D and *Daphnia* tests with nanomaterials
- Å Preparing for start of **phys-chem characterisation testing** Q1 2016

Å EOGRTS testing proposal (TP)

- Å **EOGRTS**: evaluation reproductive and developmental effects following pre- and post-natal exposure + evaluation systemic toxicity in pregnant and lactating females and offspring
- Å Ag **data gap** reprotox identified already in 2008 and confirmed by TP updated dataset review
- Å Proposed reprotox classification of **SZZ** (cf. next slides) attributed to the Ag ion
- ➔ Ag WG decided it would be proactive to submit a TP now
- Å **Costs** depend on exact design (0,5 to 1 million ú)
- Å **Timing** depends on when the TP will be reviewed
- Å **Outcome** also depends on outcome of RAC discussions on SZZ CLH

3.1 Ag Project : Main achievements in 2015

CLH proposal silver zinc zeolite (1)

Katrien Arijs

	Ag REACH	Ag BPR
Scope	PMC Ag project includes eight substances/Dossiers: 1. Silver 2. Disilver oxide 3. Silver nitrate 4. Disilver sulphate 5. Disilver carbonate 6. Silver chloride 7. Silver bromide 8. Silver iodide	STF single core active substance dossier supporting eight substances: 1. Silver 2. Silver (reaction mass with SiO2) 3. Silver chloride (reaction mass with TiO2) 4. Silver nitrate 5. Silver sodium hydrogen zirconium phosphate 6. Silver phosphate glass 7. Silver zinc zeolite 8. Silver copper zeolite
Under review by	RIVM, Dutch CA	KEMI, Swedish CA
CLH	Not a requirement (only as a possible conclusion from the SEv itself)	Requirement

Proposed future entry in Annex VI of CLP Regulation	Carc. 2; H351 Repr. 1B; H360D STOT RE 2; H373 Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 1; H410
Regulatory programme	BPD

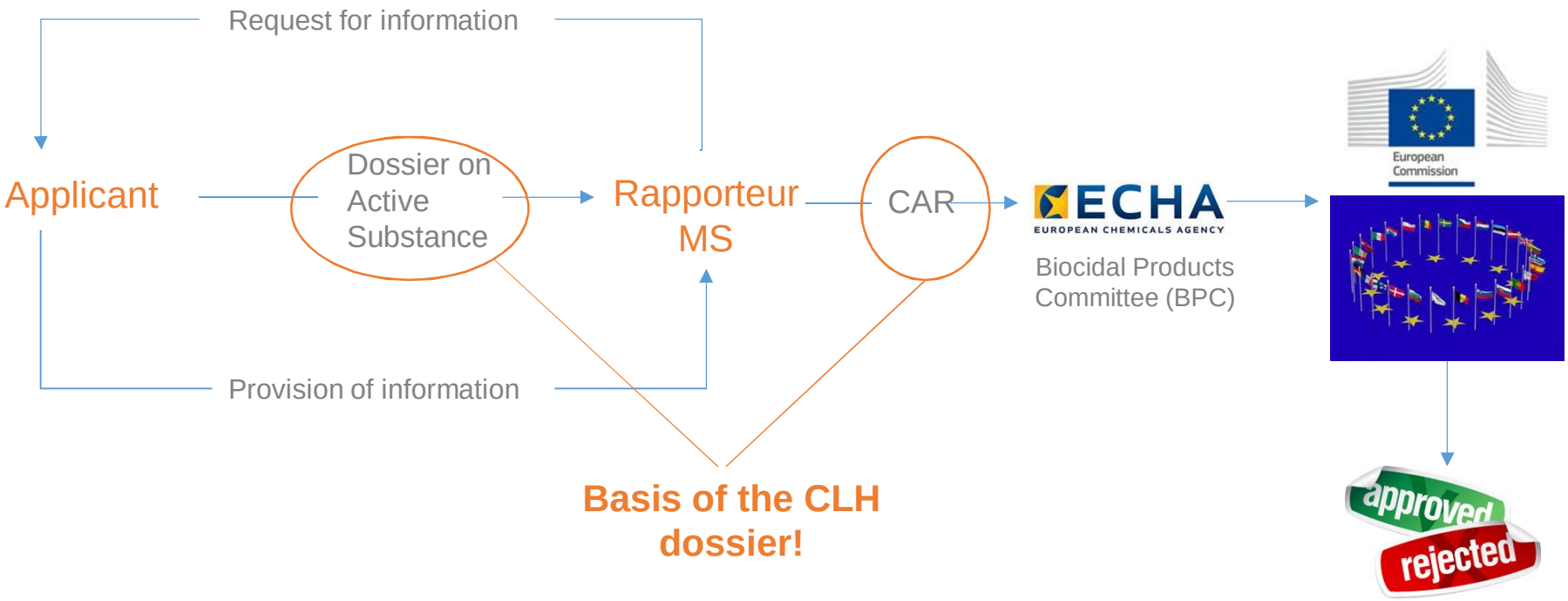
Effects attributed to Ag ion ï > need to avoid domino effect on REACH Ag dossiers!

3.1 Ag Project : Main achievements in 2015

CLH proposal silver zinc zeolite (2)

Katrien Arijs

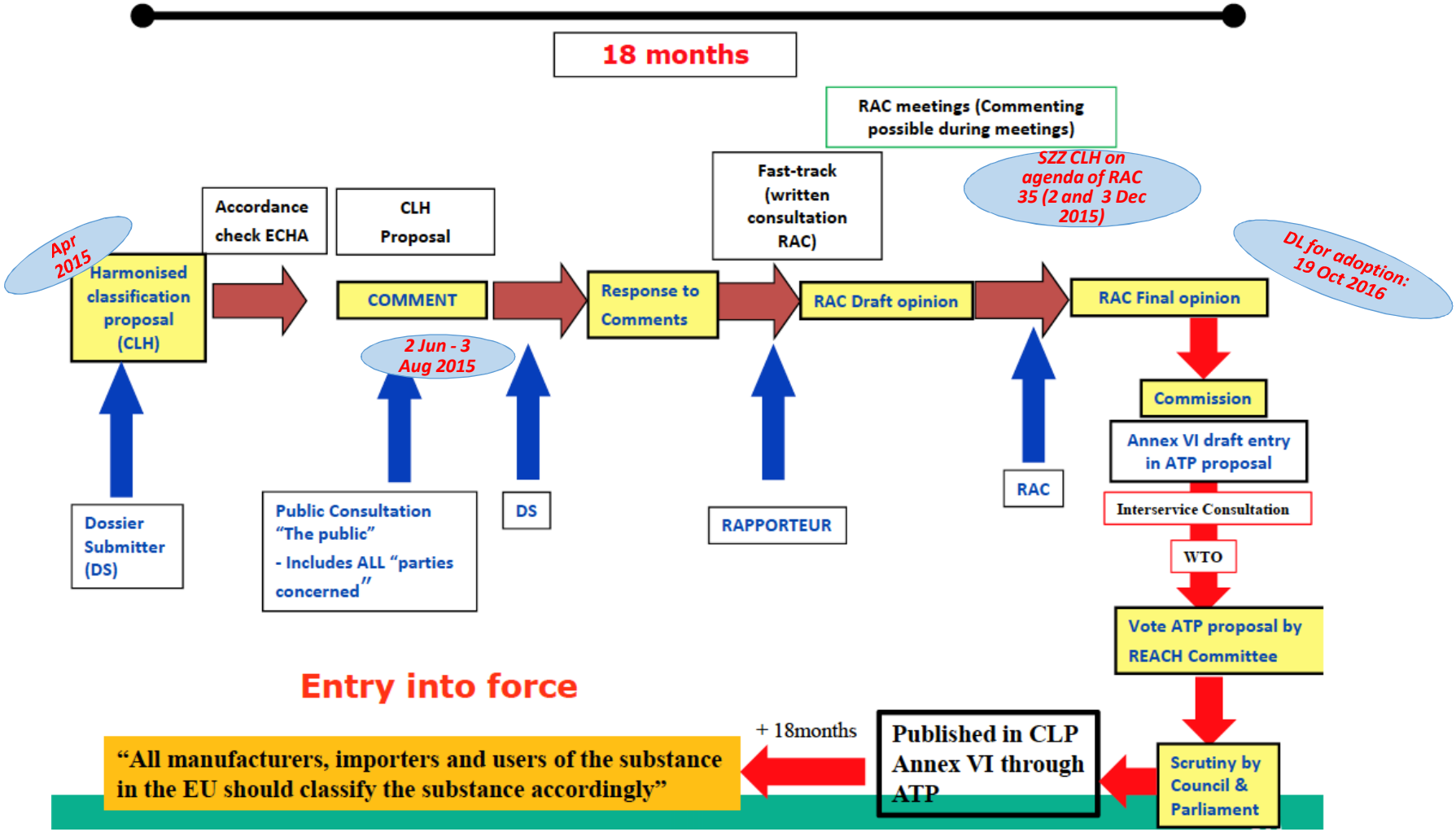
Å Under BPR, approval of active substance:



3.1 Ag Project : Main achievements in 2015

CLH proposal silver zinc zeolite (3)

Katrien Arijs



3.1 Ag Project : Main achievements in 2015

CLH proposal silver zinc zeolite (4)

Katrien Arijs

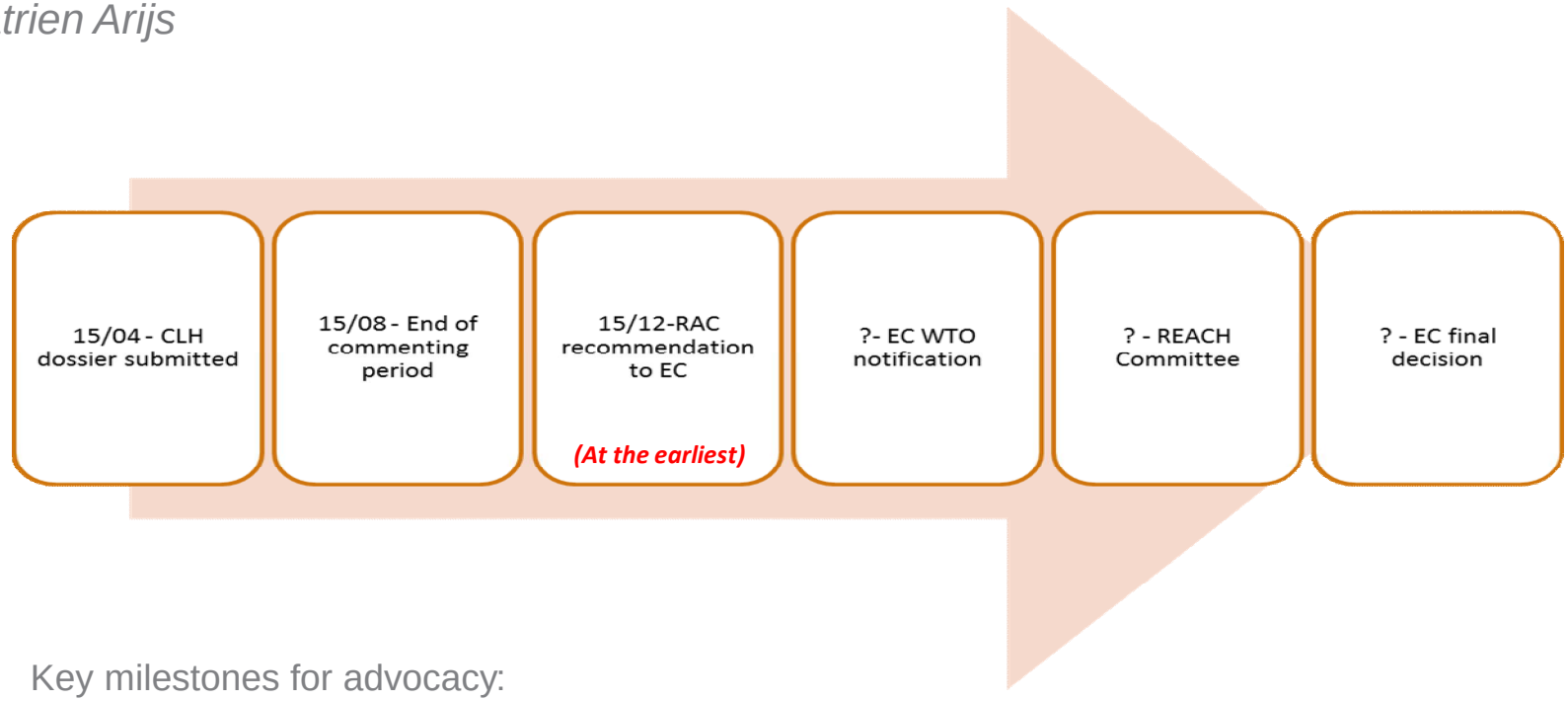
- **PMC comments:**
  - **Carc.**:
    - ✓ Positive trend for leukemia in F 344 rat study ➔ relevance of leukemia occurrence in this rat strain disputed
    - ✓ Mouse bioassay on SZZ did not provide any supporting evidence
    - ✓ None of the individual SZZ constituents previously associated with clear carc. effects in animals / humans
  - **Repr.**:
    - ✓ Observed effects are secondary to non-specific disruption of the maternal homeostasis
    - ✓ Effects of SZZ on the kidney can be traced back to the ñpureòzeolites
  - **STOT-RE**:
    - ✓ Effects of SZZ on the kidney can be traced back to the ñpureòzeolites
    - ✓ Tissue pigmentation: not associated with pathological damage ➔ not sufficient for classification
  - **Env.**:
    - ✓ Introduction of UWM and the rapid removal of Ag from the water column
    - ✓ Suggestion to use the ERVs from the Ag and Zn REACH registration files
    - ✓ Suggestion to apply the M-factor rules in line with the CLP guidance on metals and to perform T/D testing
- **Comments also submitted by:** industry, industry associations, NGO, MS (Germany, UK, France, NL)

➔Carc. 2 and Repr. 1B classification generally not supported, based on poor quality/inconclusive data and/or questionable interpretation/significance/extrapolation of data

3.1 Ag Project : Main achievements in 2015

CLH proposal silver zinc zeolite (5)

Katrien Arijs



Key milestones for advocacy:

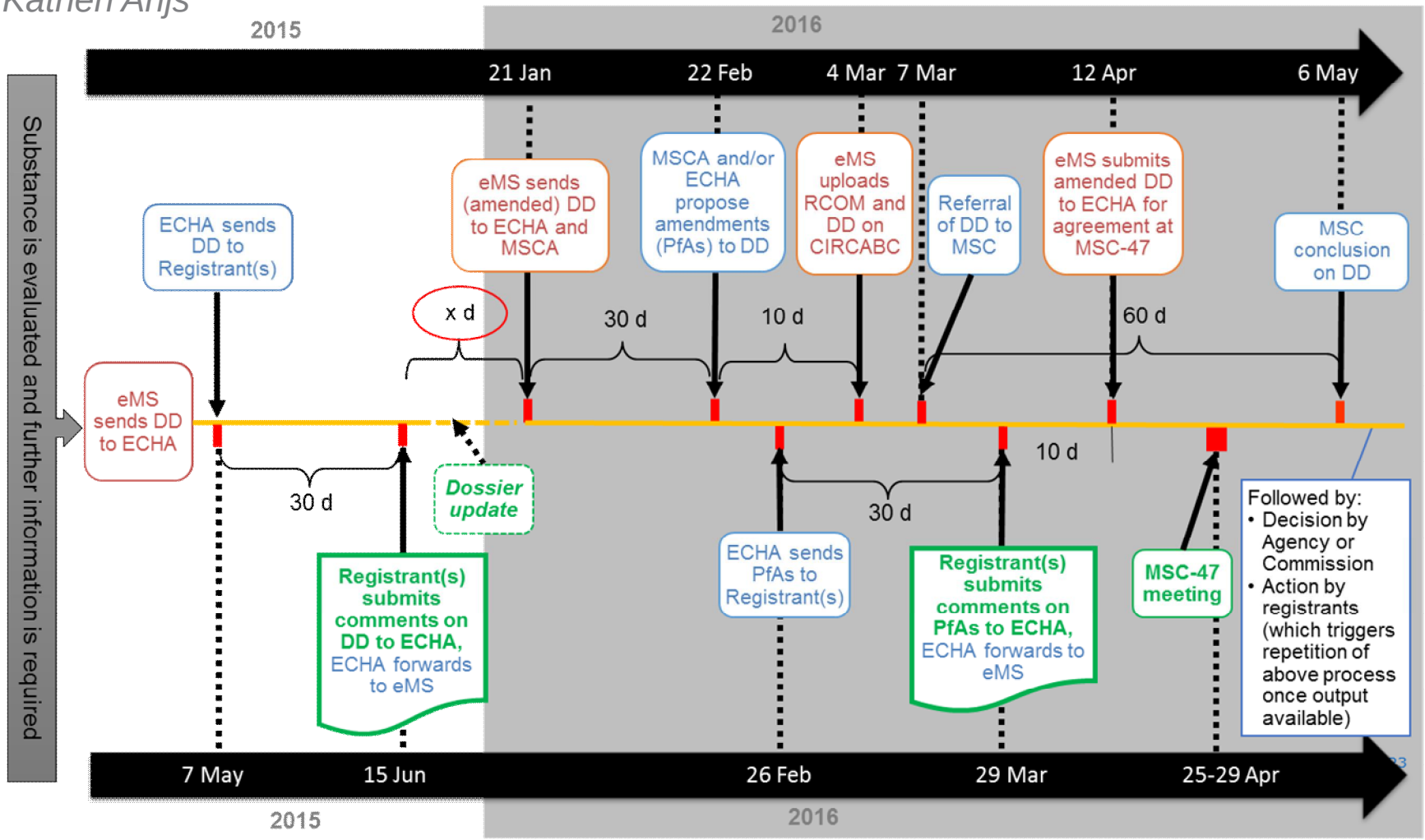
- Letters sent to MSCAs (Belgium, Finland, France, Germany, Italy, NL, Poland, Spain, UK) and EC (DG Environment, DG Grow); replies from France, NL, UK
- RAC meeting (Mark Raffray / Eurometaux)
- EC discussion
- WTO notification
- REACH Committee recommendation
- EC final decision

3.1 Ag Project : Main challenges for 2016

Ag Evaluation

Katrien Arijs

DD = Draft Decision
PfAs = Proposal for Amendments



3.1 Ag Project : Main challenges for 2016

Katrien Arijs

- **Dossier maintenance**
- **SEv:**
  - PMC input during 2nd commenting period (26 Feb-29 Mar) and MSC meeting (25-29 Apr)
  - Start of testing and further data collection following final decision
- **EOGRTS testing proposal (TP):** follow-up
- **CLH proposals**
  - Further advocacy SZZ CLH?
  - Commenting CLH proposals other Ag substances (e.g. AgNO3)

3.1 Ag Project : Timeline

Katrien Arijs

3.1 Ag Project : Conclusions

Katrien Arijs

- **SEv:**
  - Draft decision reasonable and in line with what was expected (although some requests considered somewhat disproportionate)
  - Positive relationship with eMSCA / collaborative approach
- **EOGRTS testing proposal (TP):** follow-up of other TPs needed given test is relatively ónewô under REACH
- **CLH proposals**
  - Although related to BPR (and decided on BPR data), could have influences for REACH substances
  - Substantial time for commenting/advocacy needed

3.2 Au Project : Finance

Vincent Dunon

Status of 2015 accounts (Jan-Oct)

		Budget	Real	Delta
2.3	***Au-specific costs***	***56.650 ú***	***51.091 ú***	***5.559 ú***
2.3.1	**Au REACH registration and CLP notification work programme**	**56.650 ú**	**51.091 ú**	***5.559 ú***
2.3.1.1	*Phase 1: Literature search, data gap analysis and recommendations (e.g. C&L update)*	10.500 ú	3.158 ú	*7.342* ***ú***
2.3.1.2	*Phase 2: In-depth data gap analysis and integrated testing strategy*	0 ú	2.665 ú	*-2.665* ***ú***
2.3.1.3	*Phase 3: Experimental studies (testing programme including cost of samples)*	0 ú	21.673 ú	*-21.673* ***ú***
2.3.1.4	*Phase 4: Generation of Chemical Safety Reports*	38.000 ú	20.579 ú	*17.421* ***ú***
2.3.1.5	*Phase 5: Generation of IUCLID 5 Files and Registration Dossiers*	5.000 ú	1.014 ú	*3.986* ***ú***
	IUCLID 5 Hosting System	3.150 ú	2.002 ú	*1.148* ***ú***

Total actuals 2007- 2015: ú 638.625,00

3.2 Au Project : 2016 Budget

Vincent Dunon

		Budget *to be spent*	Budget *to be invoiced*	HR
2.3	***Au-specific costs***	***109.700 ú***	***79.550 ú***	***0,2***
2.3.1	**Au REACH registration**	**87.500 ú**	**57.350 ú**	
2.3.1.1	*Phase 1: Literature search, data gap analysis and recommendations*	0 ú	0 ú	
2.3.1.2	*Phase 2: In-depth data gap analysis and integrated testing strategy*	1.000 ú	1.000 ú	
2.3.1.3	*Phase 3: Experimental studies (testing programme including cost of samples)*	32.350 ú	29.550 ú	
2.3.1.4	*Phase 4: Generation of Chemical Safety Reports*	48.500 ú	21.150 ú	
2.3.1.5a	*Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers*	650 ú	650 ú	
2.3.1.5b	*Phase 5b: IUCLID 5 Hosting System*	5.000 ú	5.000 ú	
2.3.1.6	*Phase 6: Administration/others (secretariat work for project management, organisation & participation in meetings, communication)*			
2.3.2	**Au REACH dossier maintenance**	**0 ú**	**0 ú**	
2.3.2.1	*Phase 1: Literature search, data gap analysis and recommendations*	0 ú	0 ú	
2.3.2.2	*Phase 2: In-depth data gap analysis and integrated testing strategy*	0 ú	0 ú	
2.3.2.3	*Phase 3: Experimental studies (testing programme including cost of samples)*	0 ú	0 ú	
2.3.2.4	*Phase 4: Generation of Chemical Safety Report*	0 ú	0 ú	
2.3.2.5a	*Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers*	0 ú	0 ú	
2.3.2.5b	*Phase 5b: IUCLID 5 Hosting System*	0 ú	0 ú	
	Nano registration			
2.3.3	**Au REACH evaluation**	**0 ú**	**0 ú**	
2.3.3.1	*Dossier evaluation*	0 ú	0 ú	
2.3.3.2	*Substance evaluation*	0 ú	0 ú	
2.3.4	**Au REACH classification & labelling *(not relevant)***	**0 ú**	**0 ú**	
2.3.5	**Au REACH authorisation *(not relevant)***	**0 ú**	**0 ú**	
2.3.6	**Au internal and external fixed Scientific Manager**	**22.200 ú**	**22.200 ú**	
2.3.7	**Au Building reserves**	**0 ú**	**0 ú**	

3.2 Au Project : Main achievements in 2015

Vincent Dunon

PHASE I

- Literature search was performed: 1 relevant paper found for gold

PHASE II

- New data gap analysis performed for TCA hydrate

PHASE III

- Toxicity testing program for TCA is almost finalized: Discussion on the validity of the OECD 422 and 474 with Covance

PHASE IV

- Life Cycle Trees generated for all Au compounds
- Environmental Exposure Scenarios expected to be finalized end of 2015

PHASE V

- Registration dossiers for Balsams and Aurio completed

3.2 Au Project : Main challenges for 2016

Vincent Dunon

PHASE III

- Extra Physicochemical testing needed for TCA hydrate: Melting point, Boiling point, Flammability, Self-ignition temperature, Granulometry and Water solubility

PHASE IV

- DNELs for TCA delayed due to validity issues of the OECD 422 study
- Generation of the Occupational Exposure Scenarios for TCA: Site visit will probably be needed
- Generation of Waste assessment for TCA
- Definitive classification of TCA to be defined (STOT RE, Dev tox?)

3.2 Au Project : Main challenges members for 2016

Vincent Dunon

PHASE III & IV

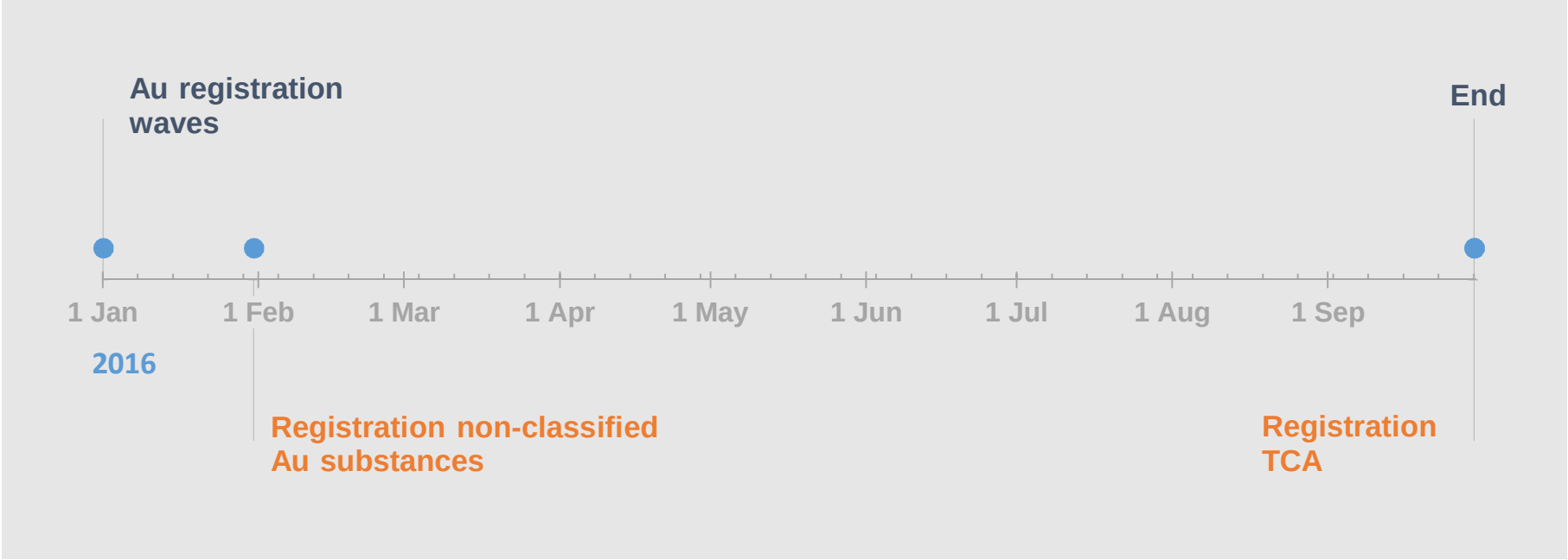
- Shorter deadlines will be set to speed up finalization of testing (2 weeks/report)

PHASE V

- Short deadline dossier commenting Balsams, Aurio & Gold (no CSR):
  - Working group: 2 weeks ï expected in Dec ó15 - Jan ó16
  - Management Committee: 2 weeks
  - Assembly: 2 weeks
- TCA dossier review expected in Jun ó16

3.2 Au Project: Timeline

Vincent Dunon



3.2 Au Project: Conclusions

Vincent Dunon

- Registration of **Balsams**, **Aurio** and **Gold** in early **Q1 2016**
- Concerns on the validity of the OECD 422 and OECD 474 tests of TCA
- Occupational Exposure and Waste assessment of TCA to be completed
- Registration of **TCA hydrate** on track for **Q3 2016**

3.3 PM CN- Project : Finance

Vincent Dunon

Status of 2015 accounts (Jan-Oct)

		Budget	Real	Delta
2.4	***PM CN- -specific costs***	***193.900 ú***	***158.501 ú***	***35.399 ú***
2.4.1	**PM CN- REACH registration and CLP notification work programme**	**193.900 ú**	**158.501 ú**	***35.399 ú***
2.4.1.1	*Phase 1: Literature search, data gap analysis and recommendations (e.g. C&L update)*	10.500 ú	1.844 ú	*8.656* ***ú***
2.4.1.2	*Phase 2: In-depth data gap analysis and integrated testing strategy*	5.250 ú	2.999 ú	*2.251* ***ú***
2.4.1.3	*Phase 3: Experimental studies (validation + possible purchase of LoA on CN-)*	90.000 ú	119.667 ú	*-29.667* ***ú***
2.4.1.4	*Phase 4: Generation of Chemical Safety Reports*	80.000 ú	29.816 ú	*50.184* ***ú***
2.4.1.5	*Phase 5: Generation of IUCLID 5 Files and Registration Dossiers*	5.000 ú	2.169 ú	*2.831* ***ú***
	IUCLID 5 Hosting System	3.150 ú	2.006 ú	*1.144* ***ú***

Total actuals 2007- 2015: ú 724.561,00

3.3 PM CN- Project : 2016 Budget

Vincent Dunon

		Budget *to be spent*	Budget *to be invoiced*	HR
2.4	***PM CN- -specific costs***	***375.500 ú***	***288.200 ú***	***0,2***
2.4.1	**PM CN- REACH registration**	**353.300 ú**	**266.000 ú**	
2.4.1.1	*Phase 1: Literature search, data gap analysis and recommendations*	0 ú	0 ú	
2.4.1.2	*Phase 2: In-depth data gap analysis and integrated testing strategy*	1.000 ú	1.000 ú	
2.4.1.3	*Phase 3: Experimental studies (testing programme including cost of samples)*	235.300 ú	232.500 ú	
2.4.1.4	*Phase 4: Generation of Chemical Safety Reports*	111.650 ú	27.150 ú	
2.4.1.5a	*Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers*	350 ú	350 ú	
2.4.1.5b	*Phase 5b: IUCLID 5 Hosting System*	5.000 ú	5.000 ú	
2.4.1.6	*Phase 6: Administration/others (secretariat work for project management, organisation & participation in meetings, communication)*			
2.4.2	**PM CN- REACH dossier maintenance**	**0 ú**	**0 ú**	
2.4.2.1	*Phase 1: Literature search, data gap analysis and recommendations*	0 ú	0 ú	
2.4.2.2	*Phase 2: In-depth data gap analysis and integrated testing strategy*	0 ú	0 ú	
2.4.2.3	*Phase 3: Experimental studies (testing programme including cost of samples)*	0 ú	0 ú	
2.4.2.4	*Phase 4: Generation of Chemical Safety Report*	0 ú	0 ú	
2.4.2.5a	*Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers*	0 ú	0 ú	
2.4.2.5b	*Phase 5b: IUCLID 5 Hosting System*	0 ú	0 ú	
2.4.3	**PM CN- REACH evaluation**	**0 ú**	**0 ú**	
2.4.3.1	*Dossier evaluation*	0 ú	0 ú	
2.4.3.2	*Substance evaluation*	0 ú	0 ú	
2.4.4	**PM CN- REACH classification & labelling (Possible impact of Ag evaluation)**	**0 ú**	**0 ú**	
2.4.5	**PM CN- REACH authorisation *(not relevant)***	**0 ú**	**0 ú**	
2.4.6	**PM CN internal and external fixed Scientific Manager**	**22.200 ú**	**22.200 ú**	
2.4.7	**PM CN Building reserves**	**0 ú**	**0 ú**	

3.3 PM CN- Project : Main achievements in 2015

Vincent Dunon

PHASE I

- Literature search was performed: 1 relevant paper for $KAg(CN)_2$ found

PHASE III

- Toxicity testing program for AgCN is finalized
- Toxicity testing program for $KAu(CN)_2$ is finalized
- 1^{st} phase of $KAg(CN)_2$ toxicity testing program is finalized

3.3 PM CN- Project : Main achievements in 2015

Vincent Dunon

PHASE IV

- DNELs for AgCN and $KAu(CN)_2$ are derived
- A site visit for the 3 PM CN compounds has been performed
- Life Cycle Trees generated for the 3 PM CN compounds
- Preliminary Occupational Exposure assessment performed
- Environmental Exposure Scenarios expected to be finalized end of 2015

3.3 PM CN- Project : Main challenges for 2016

Vincent Dunon

PHASE III

- Finalization of testing program $KAg(CN)_2$ (2nd phase)
- Keeping the OECD 422 study for $KAg(CN)_2$ on track

PHASE IV

- Generation of the Occupational Exposure Scenarios for AgCN and $KAu(CN)_2$: Monitoring might be needed

  (Deadline comments preliminary Occupational Exposure assessment ï 1st Dec ð15)
- Generation of Waste assessment for AgCN and $KAu(CN)_2$
- Definitive classification for all 3 PM CNs to be defined (STOT RE?)

3.3 PM CN- Project : Main challenges members for 2016

Vincent Dunon

PHASE III & IV

- Shorter deadlines will be set to speed up finalization of testing (2 weeks/report)

PHASE V

- Start AgCN and $KAu(CN)_2$ dossier review expected in Jun'16

3.3 PM CN- Project: Timeline

Vincent Dunon

3.3 PM CN- Project: Conclusions

Vincent Dunon

- Registration of **AgCN** and **$KAu(CN)_2$** is on track for **Q3 2016**
- A monitoring campaign has to be set up for the PM CN substances
- The OECD 422 of **$KAg(CN)_2$** is the key study that will **determine the registration date**

3.4 Refinables Project : Finance

Katrien Arijs

Status of 2015 accounts (Jan-Oct)

		Budget	Real	Delta
2.7	***Refinables-specific costs***	***365.824 ú***	***17.020 ú***	***348.804 ú***
2.7.1	**Refinables REACH registration and CLP notification work programme**	***365.824 ú***	***17.020 ú***	***348.804 ú***
2.7.1.1	*Phase 1: Identification and speciation*			*0 ú*
2.7.1.2	*Phase 2: Experimental studies (e.g. validation tests)*			*0 ú*
2.7.1.3	*Phase 3: Effects, exposure and classification*			*0 ú*
2.7.1.4	*Phase 4: Generation of IUCLID 5 Files and Registration Dossiers*			*0 ú*
	IUCLID 5 Hosting System	3.150 ú	2.006 ú	*1.144 ú*
2.7.1.6	*Phase 6: Post-registration work (>2014)*			*0 ú*
	I. Scoping	5.360 ú		*5.360 ú*
	II. Substance identification	0 ú	2.488 ú	*-2.488 ú*
	III. Effects assessment and classification	176.250 ú	3.000 ú	*173.250 ú*
	IV. Exposure and risk assessment	78.266 ú	5.130 ú	*73.136 ú*
	V. Compilation of IUCLID 5 file & Registration Dossiers	97.438 ú	0 ú	*97.438 ú*
	VI. Administration / other	5.360 ú	4.396 ú	*964 ú*

Effects assessment and classification: Amount budgeted for validation testing / further testing split dossiers not used

Exposure and RA / Compilation of IUCLID file: Delayed until SID finalised

Total actuals 2007- 2015: ú 1.307.611,00

3.4 Refinables Project : 2016 Budget

Katrien Arijs

		Budget *to be spent*	Budget *to be invoiced*	HR
2.7	***Refinables-specific costs***	***772.550 ú***	***277.550 ú***	***0,4***
2.7.1	**Refinables REACH registration**	***0 ú***	***0 ú***	
2.7.1.1	*Phase 1: Identification and speciation*	0 ú	0 ú	
2.7.1.2	*Phase 2: Experimental studies (e.g. validation tests)*	0 ú	0 ú	
2.7.1.3	*Phase 3: Effects, exposure and classification*	0 ú	0 ú	
2.7.2	**Refinables REACH dossier maintenance**	**707.000 ú**	**212.000 ú**	
2.7.2.1	*Phase 1: Scoping*	5.000 ú	5.000 ú	
2.7.2.2	*Phase 2: Substance identification*	89.000 ú	89.000 ú	
2.7.2.3	*Phase 3: Effects assessment and classification*	348.000 ú	13.000 ú	
2.7.2.4	*Phase 4: Exposure and risk assessment*	140.000 ú	70.000 ú	
2.7.2.5a	*Phase 5a: Compilation of IUCLID 5 file & Registration Dossiers*	120.000 ú	30.000 ú	
2.7.2.5b	*Phase 5b: IUCLID 5 Hosting System*	5.000 ú	5.000 ú	
2.7.2.6	*Phase 6: Administration/others (secretariat work for project management, organisation & participation in meetings, communication)*			
2.7.3	**Refinables REACH evaluation**	**0 ú**	**0 ú**	
2.7.3.1	*Dossier evaluation*	0 ú	0 ú	
2.7.3.2	*Substance evaluation*	0 ú	0 ú	
2.7.4	**Refinables REACH classification & labelling**	**0 ú**	**0 ú**	
2.7.5	**Refinables REACH authorisation**	**0 ú**	**0 ú**	
2.7.6	**Refinables internal and external fixed Scientific Manager**	**65.550 ú**	**65.550 ú**	
2.7.7	**Refinables Building reserves**		**0 ú**	

Effects assessment and classification: Validation testing / further testing split dossiers budgeted again but not invoiced

Exposure and RA / Compilation of IUCLID file: Part of 2015 budget budgeted again but not invoiced

3.4 Refinables Project : Main achievements in 2015

Katrien Arijs

Dossier maintenance

- Refinables dossiers originally submitted in 2010 as SCC intermediates, most upgraded to full registration dossiers in 2014, further dossier maintenance prepared in 2015
- **Substance identification (SID)**:
  - SID review: SID decision tree and PM refining process definitions document developed, structural representation of Refinables ongoing
  - UVCB SID discussions followed at EC/ECHA level
  - Eurometaux/ECHA UVCB SID meeting 2 Dec
- **Exposure and risk assessment**:
  - Update of environmental exposure assessment based on additional driving constituents / additional emission data
  - Combined toxicity approach discussed at Eurometaux level

3.4 Refinables Project : Main challenges for 2016

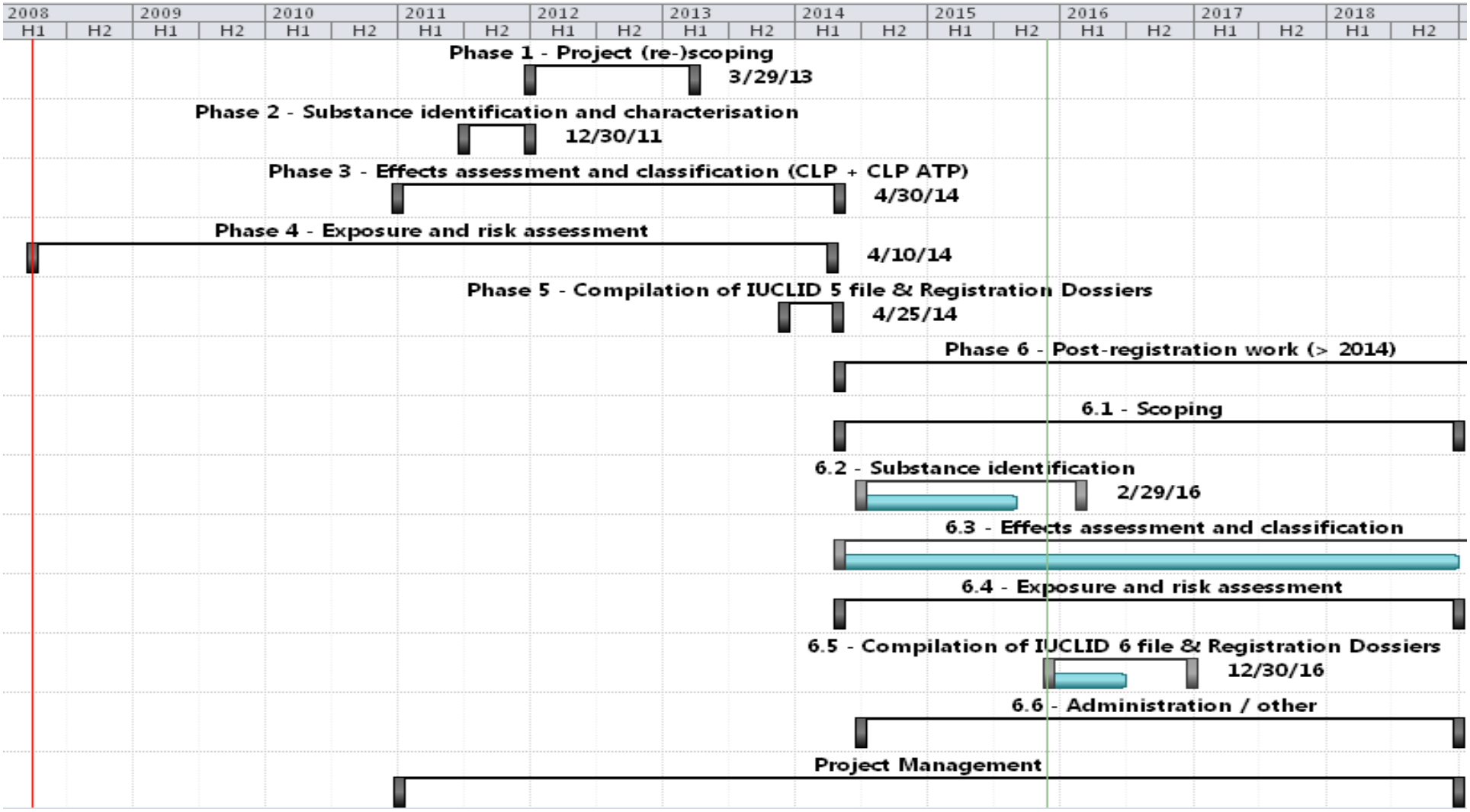
Katrien Arijs

Dossier maintenance

- **Scoping**: ECHA advocacy **if needed**
- **Substance identification (SID)**:
  - Finalisation SID review
  - Speciation testing **if needed**
- **Effects assessment and classification**:
  - Classification review following SID review
  - T/D testing & phys-chem testing for splitted dossiers (costs will not be invoiced as already invoiced 2015)
  - Validation testing **if needed** (costs will not be invoiced as already invoiced 2015)
- **Exposure and risk assessment**: MvE assessment, update exposure & risk assessment
- **Compilation of IUCLID 6 file & Registration Dossiers**: dossier updates to be submitted by end 2016

3.4 Refinables Project : Timeline

Katrien Arijs



3.4 Refinables Project : Conclusions

Katrien Arijs

- **Substance identification:**
  - SID of inorganic UVCBs not straightforward
  - ECHA seems to understand the inorganic UVCB specifics do not allow to strictly follow the ECHA SID guidance but further clarifications needed

- **Update of Refinables dossiers foreseen end 2016:**
  - Include results of SID review and subsequent classification updates
  - Refine the Exposure Scenarios
  - Update to IUCLID 6
  - Additional (speciation/validation) testing will only be performed if required by ECHA

3.5 PGM Project : Finance

Klaus Rothenbacher

Status of 2015 accounts (Jan-Oct)

		Budget	Real	Delta
2.5	***PGM-specific costs***	***1.168.010 ú***	***474.347 ú***	***693.663 ú***
2.5.1	**PGM REACH registration and CLP notification work programme**	**1.168.010 ú**	**474.347 ú**	**693.663 ú**
2.5.1.1	*Phase 1: Literature search, data gap analysis and recommendations (e.g. C&L update)*	15.750 ú	6.271 ú	*9.479 **ú***
2.5.1.2	*Phase 2: In-depth data gap analysis and integrated testing strategy*	2.625 ú	10.674 ú	*-8.049 **ú***
2.5.1.3	*Phase 3: Experimental studies (testing programme including cost of samples)*	762.109 ú	297.322 ú	*464.787 **ú***
2.5.1.4	*Phase 4: Generation of Chemical Safety Reports*	242.032 ú	76.112 ú	*165.921 **ú***
2.5.1.5	*Phase 5: Generation of IUCLID 5 Files and Registration Dossiers*	142.343 ú	54.678 ú	*87.666 **ú***
	IUCLID 5 Hosting System	3.150 ú	2.001 ú	*1.149 **ú***
2.5.1.6	*Phase 6: Administration/others (secretariat work for project management, organisation & participation in meetings, communication)*	0 ú	10.604 ú	*-10.604 **ú***
2.5.5	**PGM REACH authorisation**	**0 ú**	**16.686 ú**	**-16.686 ú**
2.5.5.1.	*Chloroplatinates*	0 ú	16.686 ú	*-16.686 **ú***

Total actuals 2007- 2015: **ú 4.292.699,00**

3.5 PGM Project : 2016 Budget

Klaus Rothenbacher

		Budget *to be spent*	Budget *to be invoiced*	HR
2.5.A	***Platinum-specific costs***	***1.160.450 ú***	***645.102 ú***	***0,5***
2.5.A.1	**Pt REACH registration**	**1.060.175 ú**	**466.775 ú**	
2.5.A.1.1	*Phase 1: Literature search, data gap analysis and recommendations*	5.500 ú	5.500 ú	
2.5.A.1.2	*Phase 2: In-depth data gap analysis and integrated testing strategy*	5.500 ú	5.500 ú	
2.5.A.1.3	*Phase 3: Experimental studies (testing programme including cost of samples)*	842.600 ú	249.200 ú	
2.5.A.1.4	*Phase 4: Generation of Chemical Safety Reports*	173.025 ú	173.025 ú	
2.5.A.1.5a	*Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers*	32.550 ú	32.550 ú	
2.5.A.1.5b	*Phase 5b: IUCLID 5 Hosting System*	1.000 ú	1.000 ú	
2.5.A.1.6	*Phase 6: Administration/others (secretariat work for project management, organisation & participation in meetings, communication)*			
2.5.A.2	**Pt REACH dossier maintenance**	**0 ú**	**0 ú**	
2.5.A.2.1	*Phase 1: Literature search, data gap analysis and recommendations*	0 ú	0 ú	
2.5.A.2.2	*Phase 2: In-depth data gap analysis and integrated testing strategy*	0 ú	0 ú	
2.5.A.2.3	*Phase 3: Experimental studies (testing programme including cost of samples)*	0 ú	0 ú	
2.5.A.2.4	*Phase 4: Generation of Chemical Safety Report*	0 ú	0 ú	
2.5.A.2.5a	*Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers*	0 ú	0 ú	
2.5.A.2.5b	*Phase 5b: IUCLID 5 Hosting System*	0 ú	0 ú	
2.5.A.3	**Pt REACH evaluation**	**0 ú**	**0 ú**	
2.5.A.3.1	*Dossier evaluation*	0 ú	0 ú	
2.5.A.3.2	*Substance evaluation*	0 ú	0 ú	
2.5.A.4	**Pt REACH classification & labelling**	**0 ú**	**0 ú**	
2.5.A.5	**Pt REACH authorisation**	**50.000 ú**	**50.000 ú**	
2.5.A.5.1.	*Chloroplatinates*	50.000 ú	50.000 ú	
2.5.A.6	**Pt internal and external fixed Scientific Managers**	**50.275 ú**	**50.275 ú**	
2.5.A.7	**Pt Building reserves**		**78.052 ú**	

3.5 PGM Project : 2016 Budget

Klaus Rothenbacher

		Budget *to be spent*	Budget *to be invoiced*	HR
2.5.B	***Palladium-specific costs***	***548.900 ú***	***622.173 ú***	***0,7***
2.5.B.1	**Pd REACH registration**	**498.625 ú**	**498.625 ú**	
2.5.B.1.1	*Phase 1: Literature search, data gap analysis and recommendations*	5.500 ú	5.500 ú	
2.5.B.1.2	*Phase 2: In-depth data gap analysis and integrated testing strategy*	5.500 ú	5.500 ú	
2.5.B.1.3	*Phase 3: Experimental studies (testing programme including cost of samples)*	148.000 ú	148.000 ú	
2.5.B.1.4	*Phase 4: Generation of Chemical Safety Reports*	286.125 ú	286.125 ú	
2.5.B.1.5a	*Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers*	52.500 ú	52.500 ú	
2.5.B.1.5b	*Phase 5b: IUCLID 5 Hosting System*	1.000 ú	1.000 ú	
2.5.B.1.6	*Phase 6: Administration/others (secretariat work for project management, organisation & participation in meetings, communication)*			
2.5.B.2	**Pd REACH dossier maintenance**	**0 ú**	**0 ú**	
2.5.B.2.1	*Phase 1: Literature search, data gap analysis and recommendations*	0 ú	0 ú	
2.5.B.2.2	*Phase 2: In-depth data gap analysis and integrated testing strategy*	0 ú	0 ú	
2.5.B.2.3	*Phase 3: Experimental studies (testing programme including cost of samples)*	0 ú	0 ú	
2.5.B.2.4	*Phase 4: Generation of Chemical Safety Report*	0 ú	0 ú	
2.5.B.2.5a	*Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers*	0 ú	0 ú	
2.5.B.2.5b	*Phase 5b: IUCLID 5 Hosting System*	0 ú	0 ú	
2.5.B.3	**Pd REACH evaluation**	**0 ú**	**0 ú**	
2.5.B.3.1	*Dossier evaluation*	0 ú	0 ú	
2.5.B.3.2	*Substance evaluation*	0 ú	0 ú	
2.5.B.4	**Pd REACH classification & labelling**	**0 ú**	**0 ú**	
2.5.B.5	**Pd REACH authorisation**	**0 ú**	**0 ú**	
2.5.B.6	**Pd internal and external fixed Scientific Managers**	**50.275 ú**	**50.275 ú**	
2.5.B.7	**Pd Building reserves**		**73.273 ú**	

3.5 PGM Project : 2016 Budget

Klaus Rothenbacher

		Budget *to be spent*	Budget *to be invoiced*	HR
2.5.C	***Rhodium-specific costs***	***363.775 ú***	***371.217 ú***	***0,4***
2.5.C.1	**Rh REACH registration**	**313.500 ú**	**313.500 ú**	
2.5.C.1.1	*Phase 1: Literature search, data gap analysis and recommendations*	5.500 ú	5.500 ú	
2.5.C.1.2	*Phase 2: In-depth data gap analysis and integrated testing strategy*	5.500 ú	5.500 ú	
2.5.C.1.3	*Phase 3: Experimental studies (testing programme including cost of samples)*	270.000 ú	270.000 ú	
2.5.C.1.4	*Phase 4: Generation of Chemical Safety Reports*	31.500 ú	31.500 ú	
2.5.C.1.5a	*Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers*	0 ú	0 ú	
2.5.C.1.5b	*Phase 5b: IUCLID 5 Hosting System*	1.000 ú	1.000 ú	
2.5.C.1.6	*Phase 6: Administration/others (secretariat work for project management, organisation & participation in meetings, communication)*			
2.5.C.2	**Rh REACH dossier maintenance**	**0 ú**	**0 ú**	
2.5.C.2.1	*Phase 1: Literature search, data gap analysis and recommendations*	0 ú	0 ú	
2.5.C.2.2	*Phase 2: In-depth data gap analysis and integrated testing strategy*	0 ú	0 ú	
2.5.C.2.3	*Phase 3: Experimental studies (testing programme including cost of samples)*	0 ú	0 ú	
2.5.C.2.4	*Phase 4: Generation of Chemical Safety Report*	0 ú	0 ú	
2.5.C.2.5a	*Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers*	0 ú	0 ú	
2.5.C.2.5b	*Phase 5b: IUCLID 5 Hosting System*	0 ú	0 ú	
2.5.C.3	**Rh REACH evaluation**	**0 ú**	**0 ú**	
2.5.C.3.1	*Dossier evaluation*	0 ú	0 ú	
2.5.C.3.2	*Substance evaluation*	0 ú	0 ú	
2.5.C.4	**Rh REACH classification & labelling**	**0 ú**	**0 ú**	
2.5.C.5	**Rh REACH authorisation**	**0 ú**	**0 ú**	
2.5.C.6	**Rh internal and external fixed Scientific Managers**	**50.275 ú**	**50.275 ú**	
2.5.C.7	**Rh Building reserves**		**7.442 ú**	

3.5 PGM Project : 2016 Budget

Klaus Rothenbacher

	Budget *to be spent*	Budget *to be invoiced*	HR
2.5.C Rhodium-specific costs	***363.775 ú***	***371.217 ú***	***0,4***
2.5.C.1 Rh REACH registration	**313.500 ú**	**313.500 ú**	
2.5.C.1.1 Phase 1: Literature search, data gap analysis and recommendations	5.500 ú	5.500 ú	
2.5.C.1.2 Phase 2: In-depth data gap analysis and integrated testing strategy	5.500 ú	5.500 ú	
2.5.C.1.3 Phase 3: Experimental studies (testing programme including cost of samples)	270.000 ú	270.000 ú	
2.5.C.1.4 Phase 4: Generation of Chemical Safety Reports	31.500 ú	31.500 ú	
2.5.C.2.5b Phase 5b: IUCLID 5 Hosting System	0 ú	0 ú	
2.5.C.3 Rh REACH evaluation	**0 ú**	**0 ú**	
2.5.C.3.1 Dossier evaluation	0 ú	0 ú	
2.5.C.3.2 Substance evaluation	0 ú	0 ú	
2.5.C.4 Rh REACH classification & labelling	**0 ú**	**0 ú**	
2.5.C.5 Rh REACH authorisation	**0 ú**	**0 ú**	
2.5.C.6 Rh internal and external fixed Scientific Managers	**50.275 ú**	**50.275 ú**	
2.5.C.7 Rh Building reserves		**7.442 ú**	

Latest info: Rh nano does not need to be included in the Registration dossier – 200.000€ can be removed from the budget!
NEW PROPOSED BUDGET: **163.775€ (to be spent) and 171.217€ (to be invoiced)**

3.5 PGM Project : 2016 Budget

Klaus Rothenbacher

		Budget *to be spent*	Budget *to be invoiced*	HR
2.5.D	***Ruthenium-specific costs***	***559.725 ú***	***345.956 ú***	***0,3***
2.5.D.1	**Ru REACH registration**	**509.450 ú**	**246.850 ú**	
2.5.D.1.1	*Phase 1: Literature search, data gap analysis and recommendations*	5.500 ú	5.500 ú	
2.5.D.1.2	*Phase 2: In-depth data gap analysis and integrated testing strategy*	5.500 ú	5.500 ú	
2.5.D.1.3	*Phase 3: Experimental studies (testing programme including cost of samples)*	462.800 ú	200.200 ú	
2.5.D.1.4	*Phase 4: Generation of Chemical Safety Reports*	33.600 ú	33.600 ú	
2.5.D.1.5a	*Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers*	1.050 ú	1.050 ú	
2.5.D.1.5b	*Phase 5b: IUCLID 5 Hosting System*	1.000 ú	1.000 ú	
2.5.D.1.6	*Phase 6: Administration/others (secretariat work for project management, organisation & participation in meetings, communication)*			
2.5.D.2	**Ru REACH dossier maintenance**	**0 ú**	**0 ú**	
2.5.D.2.1	*Phase 1: Literature search, data gap analysis and recommendations*	0 ú	0 ú	
2.5.D.2.2	*Phase 2: In-depth data gap analysis and integrated testing strategy*	0 ú	0 ú	
2.5.D.2.3	*Phase 3: Experimental studies (testing programme including cost of samples)*	0 ú	0 ú	
2.5.D.2.4	*Phase 4: Generation of Chemical Safety Report*	0 ú	0 ú	
2.5.D.2.5a	*Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers*	0 ú	0 ú	
2.5.D.2.5b	*Phase 5b: IUCLID 5 Hosting System*	0 ú	0 ú	
2.5.D.3	**Ru REACH evaluation**	**0 ú**	**0 ú**	
2.5.D.3.1	*Dossier evaluation*	0 ú	0 ú	
2.5.D.3.2	*Substance evaluation*	0 ú	0 ú	
2.5.D.4	**Ru REACH classification & labelling**	**0 ú**	**0 ú**	
2.5.D.5	**Ru REACH authorisation**	**0 ú**	**0 ú**	
2.5.D.6	**Ru internal and external fixed Scientific Managers**	**50.275 ú**	**50.275 ú**	
2.5.D.7	**Ru Building reserves**		**48.831 ú**	

3.5 PGM Project : 2016 Budget

Klaus Rothenbacher

		Budget *to be spent*	Budget *to be invoiced*	HR
2.5.E	***Iridium-specific costs***	***1.000 ú***	***1.000 ú***	***0,1***
2.5.E.1	**Ir REACH registration**	**0 ú**	**0 ú**	
2.5.E.1.1	*Phase 1: Literature search, data gap analysis and recommendations*	0 ú	0 ú	
2.5.E.1.2	*Phase 2: In-depth data gap analysis and integrated testing strategy*	0 ú	0 ú	
2.5.E.1.3	*Phase 3: Experimental studies (testing programme including cost of samples)*	0 ú	0 ú	
2.5.E.1.4	*Phase 4: Generation of Chemical Safety Reports*	0 ú	0 ú	
2.5.E.1.5a	*Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers*	0 ú	0 ú	
2.5.E.1.5b	*Phase 5b: IUCLID 5 Hosting System*	0 ú	0 ú	
2.5.E.1.6	*Phase 6: Administration/others (secretariat work for project management, organisation & participation in meetings, communication)*			
2.5.E.2	**Ir REACH dossier maintenance**	**1.000 ú**	**1.000 ú**	
2.5.E.2.1	*Phase 1: Literature search, data gap analysis and recommendations*	0 ú	0 ú	
2.5.E.2.2	*Phase 2: In-depth data gap analysis and integrated testing strategy*	0 ú	0 ú	
2.5.E.2.3	*Phase 3: Experimental studies (testing programme including cost of samples)*	0 ú	0 ú	
2.5.E.2.4	*Phase 4: Generation of Chemical Safety Report*	0 ú	0 ú	
2.5.E.2.5a	*Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers*	0 ú	0 ú	
2.5.E.2.5b	*Phase 5b: IUCLID 5 Hosting System*	1.000 ú	1.000 ú	
2.5.E.3	**Ir REACH evaluation**	**0 ú**	**0 ú**	
2.5.A.3.1	*Dossier evaluation*	0 ú	0 ú	
2.5.A.3.2	*Substance evaluation*	0 ú	0 ú	
2.5.E.4	**Ir REACH classification & labelling**	**0 ú**	**0 ú**	
2.5.E.5	**Ir REACH authorisation**	**0 ú**	**0 ú**	
2.5.E.6	**Ir internal and external fixed Scientific Managers**	**0 ú**	**0 ú**	
2.5.E.7	**Ir Building reserves**		**0 ú**	

3.5 PGM Project : Main achievements in 2015- General

Klaus Rothenbacher

- New organisation

  Each PGM group (Pd, Pt, Rh, Ru, Ir) will be handled separately

- Substance sameness approach finalized
  - PMC collates information and facilitates sameness discussion
  - Decision on sameness is responsibility of each registrant
  - ID cards for all PGMs will be finalized by end 2015
  - Need to include spectra of reference substances to allow judgment on sameness

3.5 PGM Project : Main achievements in 2015- General

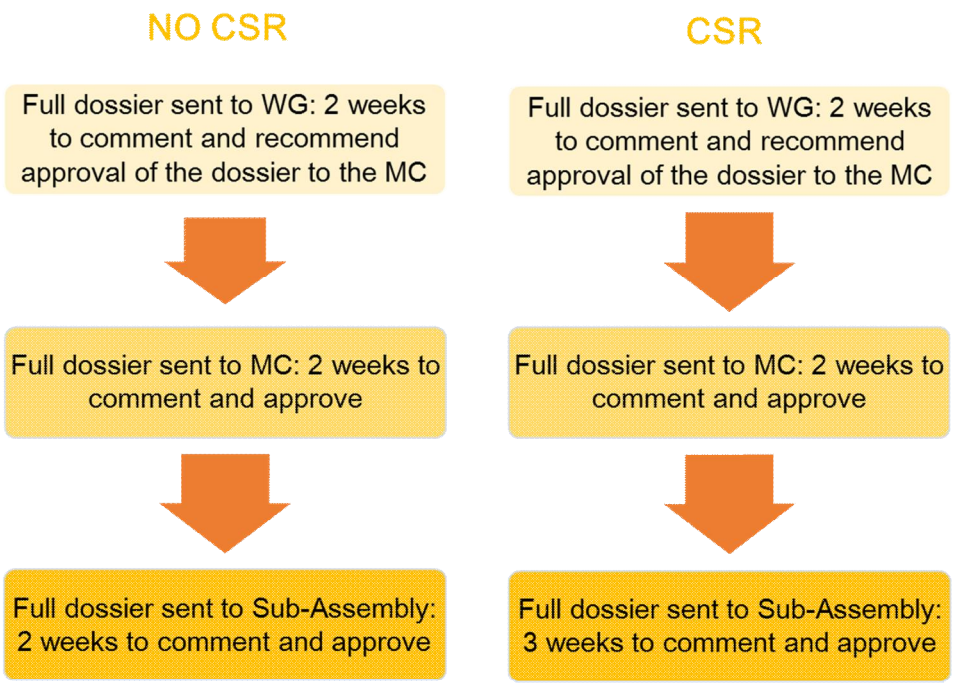
Klaus Rothenbacher

- Registration strategy
  - Final registration strategy is confirmed: register anhydrous forms and solids by default
  - Agreement on how to proceed with exceptional cases (hydrates, solutions, etc.)
    - Solutions are not considered as mixtures, as recommended under REACH since not stable w/o solvent
    - Water/ solvent considered as ómpurityô
    - Need to consider water/ solvent (minimum content required for stability) when determining tonnage

3.5 PGM Project : Main achievements in 2015- General

Klaus Rothenbacher

- Registration dossier approval process finalized:



3.5 PGM Project : Main achievements in 2015- General

Klaus Rothenbacher

- Nano characterization of of PGM blacks:
  - Coordinated measurement round at Quantachrome
  - Results
    - 19 Grades tested
    - 1 Rh grade potentially identified as nanomaterial but need of registration is under discussion
    - 18 Grades non nanomaterials
  - Two members tested in-house
    - Company 1: no nanomaterials
    - Company 2: one potential nanomaterial (RuO2) ï Under discussion, not included in the current Workplan

Conclusion after discussion with the relevant company: Rh nano does not need to be registered !

N.B.: decision on nanomaterials is responsibility of each registrant

3.5 PGM Project : Main achievements in 2015-Ir and Ir compounds

Klaus Rothenbacher

- Scope finalized: no nanomaterials identified
- Testing program finalized
- Technical work on dossiers finalized (IUCLID files, etc.)
- Finalisation of dossier on hold due to missing LR Spectra
  - Ir, Hexachloroiridic acid and Diammonium hexachloroiridate: expected in coming days
  - Ir-chlorides: analytical challenges at LR

=> Delay in agreed timing to register Ir and Ir compounds by end of 2015!

3.5 PGM Project : Main challenges for 2016-Ir and Ir compounds

Klaus Rothenbacher

- Register Ir, Hexachloroiridic acid and Diammonium hexachloroiridate ASAP
  - Proposed timing (provided spectra become available by 11 Dec 2015)
    - By 18 December 2015: send Registration dossiers to WG for approval
    - By 15th January 2016: deadline for approval/comments by WG
    - By 19th January 2016: send Registration dossiers to MC for approval
    - By 29th January 2016: deadline for approval/comments by MC
    - By 1st February 2016: send Registration dossier to Ir sub-Assembly for approval
    - By 12th February 2016: deadline for approval by Sub-Assembly
- Register Ir- chlorides as soon as analytical information becomes available from LR
  - Only one company affected
  - No extra budget needed, but HR needed!

3.5 PGM Project : Main achievements in 2015-Pd and Pd compounds

Klaus Rothenbacher

- Scope finalized
  - Clarified substances available only in solution
  - Changes highlighted on next slides
  - No nanomaterials identified
- New LR: recommendation of the WG
  - BASF as LR for Palladium dichloride and Dihydrogen tetrachloropalladate
  - Heraeus as LR for Palladium monoxide
  - Umicore as LR for Tetraamminepalladium(2+) dichloride

Request to the PGM Sub-Assembly: approve the election of the LR as recommended by the PGMs WG.

3.5 PGM Project : Main achievements in 2015-Pd and Pd compounds

Klaus Rothenbacher

Name of the substance	CAS	Highest tonnage band to be registered*	Registration submission deadline**	Volunteer Lead Registrant	Nano form	Classification
Palladium	7440-05-3	10-100 t/a	2018	Umicore NV/SA	Yes	None
Palladium dichloride	7647-10-1	10-100 t/a	2018	BASF	No	Skin Sens 1A (H317) Eye Dam 1 (H318) Met. Corr. 1 (H290)
Dihydrogen tetrachloropalladate(2-) (in solution)	16970-55-1	10-100 t/a	2018	Heraeus	No	Acute Tox. 4 (H302) (oral) Skin Corr. 1A (H314) Skin Sens 1A (H317) Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Met. Corr. 1 (H290) Acute M-factor 10, Chronic M-factor 10
Diamminedichloropalladium	14323-43-4	10-100 t/a	2018	Heraeus	No	Acute Tox. 4 (H302) (oral) Eye Dam 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Acute M-factor 100, Chronic M-factor 100
Dichlorobis(triphenylphosphine)palladium	13965-03-2	1-10 t/a	2018	Heraeus	No	Aquatic Chronic 4 (H413)
Palladium (II) di(4-oxopent-2-en-2-oate)	14024-61-4	10-100 t/a	2018	Heraeus	No	Flam. Solid 1 (H228) Self heat. 1 (H251) Skin Sens 1A (H317) Acute tox. 4 (H302) (oral) Eye Dam. 1 (H318) Aquatic Chronic 4 (H413) Recommended based on acute Daphnia result (Fraunh. 2014) + read across: Aquatic acute 1 (H400) Aquatic chronic 1 (H410) M factor acute 10 M factor chronic 10
Palladium(II) acetate	3375-31-3	1-10 t/a	2018	Heraeus	No	Eye Dam. 1 (H318) Aquatic Chronic 4 (H413)
Palladium monoxide	1314-08-5	1-10 t/a	2018	Heraeus	No	None
Tetraamminepalladium (II) nitrate (in solution)	13601-08-6	1-10 t/a	2018	Johnson Matthey	No	Self-reactive Type A (H240) Acute Tox. 4 (H302) (oral) Skin Sens 1A (H317) Eye Dam. 2 (H319) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) EUH044: Risk of explosion if heated under confinement*** Acute M-factor 10, Chronic M-factor 10

3.5 PGM Project : Main achievements in 2015-Pd and Pd compounds

Klaus Rothenbacher

Name of the substance	CAS	Highest tonnage band to be registered*	Registration submission deadline**	Volunteer Lead Registrant	Nano form	Classification
Tetraamminepalladium(2+) dichloride	13815-17-3	10-100 t/a	2018	Umicore	No	Acute Tox. 4 (oral) (H302) Skin Sens 1A (H317) Eye Dam. 2 (H319) Aquatic acute 1 (H400) Aquatic Chronic 1 (H410) Met. Corr.1 (H290) Acute M-factor 10, Chronic M-factor 10
Tetraamminepalladium(2+) dihydroxide	68413-68-3	1-10 t/a	2018	Heraeus	No	Acute Tox. 4 (H302) (oral) Skin Sens 1A (H317) Eye Dam. 2 (H319) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Acute M-factor 10, Chronic M-factor 10
Tetrakis(triphenylphosphine)palladium	14221-01-3	1-10 t/a	2018	Umicore AG&Co.KG	No	Aquatic Chronic 4 (H413)
Palladium sulphate	13566-03-5	1-10 t/a	2018	Heraeus	No	Acute Tox. 4 (H302) (oral) Eye Dam. 1 (H318) Met. Corr. 1 (H290) Skin Corr. 1B
Tetraamminepalladium(2+) diacetate	61495-96-3	10-100 t/a	2018	Umicore AG&Co.KG	No	Acute Tox. 4 (H302) (oral) Skin Sens 1A (H317) Eye Dam. 2 (H319) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Acute M-factor 10, Chronic M-factor 10
Disodium tetrachloropalladate	13820-53-6	10-100 t/a	2018	BASF	No	Acute Tox. 4 (H302) (oral) Eye Dam. 2 (H319) Met. Corr. 1 (H290)
Palladium dinitrate	10102-05-3	10-100 t/a	2018	Heraeus	No	Acute Tox. 4 (H302) (oral) Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Met. Corr. 1 (H290) Acute M-factor 10, Chronic M-factor 10 Skin Corr. 1B (H314)
Palladium dihydroxide	12135-22-7	10-100 t/a	2018	Umicore AG&Co.KG	No	None
Diammonium hexachloropalladate	19168-23-1	10-100 t/a	2018	Johnson Matthey	No	Acute Tox. 4 (H302) (oral) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sensitiser Cat. 1B (H317) Aquatic acute 1 (H400) Aquatic chronic 1 (H410) Acute M factor 10, Chronic M factor 10
Dipotassium hexachloropalladate	16919-73-6	10-100 t/a	2018	C. Hafner	No	Acute Tox. 4 (H302) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Skin Sensitiser Cat. 1B (H317) Aquatic acute 1 (H400) Aquatic chronic 1 (H410) Acute M factor 10, Chronic M factor 10

3.5 PGM Project : Main achievements in 2015-Pd and Pd compounds

Klaus Rothenbacher

- Testing program: All scheduled ecotox tests and mamm. tox tests completed
- Exposure assessment:
  - Conducted site specific env. monitoring program
  - Developed life cycle trees for all substances
- PNECs derived
- DNELs will be derived by end 2015

3.5 PGM Project : Main challenges for 2016-Pd and Pd compounds

Klaus Rothenbacher

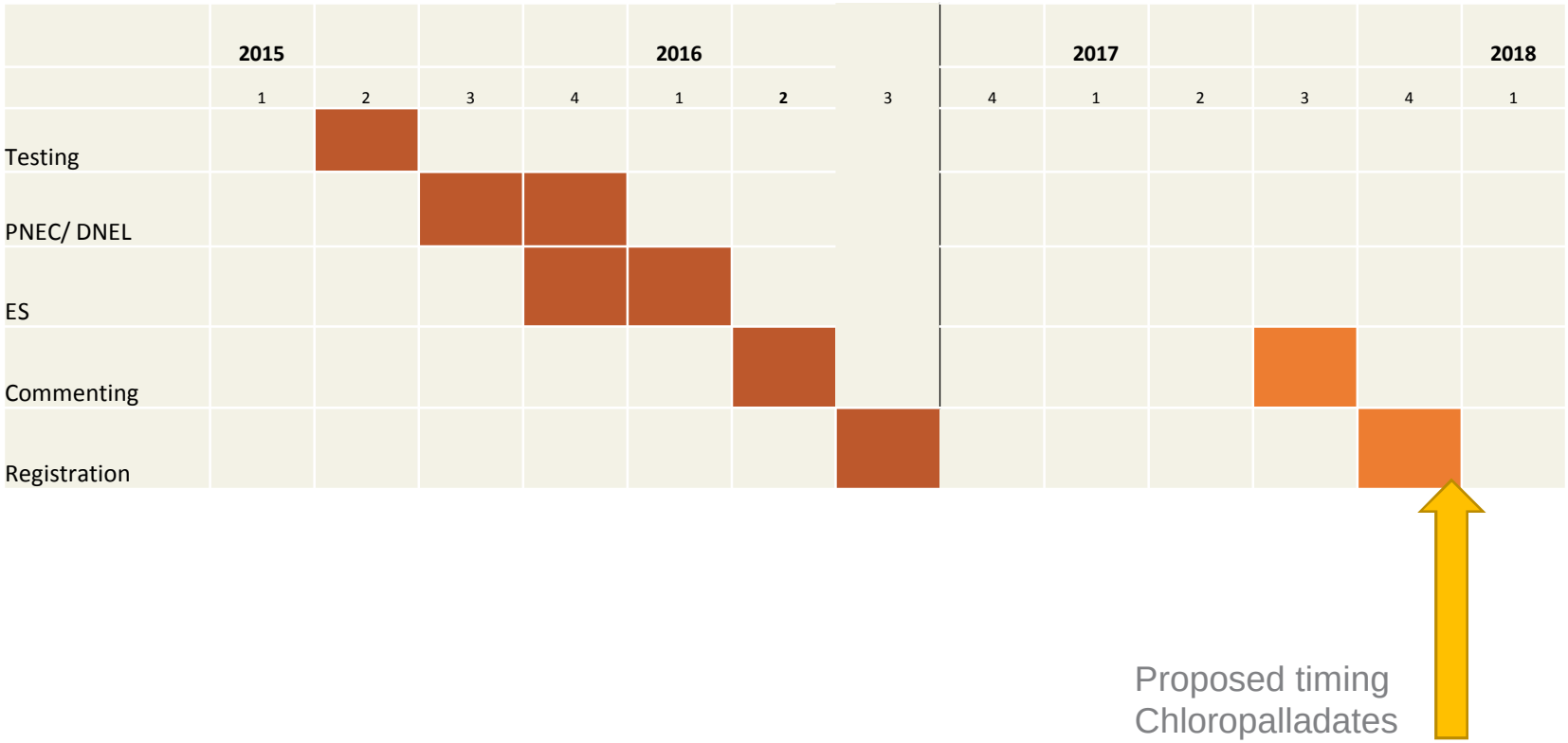
- Finalization of exposure scenarios
  - Update draft ES to reflect recent tonnage increases
  - Conduct occ. monitoring campaign
    - Currently working on selection of representative sites
    - Need your input on questionnaires (deadline: end Nov.)
  - Refine draft ES work with final DNELs
- Proposed tiered Registration strategy
  - Q3 2016: registration of Pd and most of the compounds EXCEPT chloropalladates
  - Q4 2017? (to be determined): registration of chloropalladates

N.B.:

- Chloropalladates are skin sens. with adverse effects (could be considered as "equivalent concern" under Authorisation)
- Screening of potential SVHCs starts after registration (cf. SVHC Roadmap)

3.5 PGM Project : Timeline ï Pd and Pd compounds

Klaus Rothenbacher



3.5 PGM Project : Main achievements in 2015-Pt and Pt compounds

Klaus Rothenbacher

- Scope finalized
  - Some substances **ONLY** available in solutions (summarized on next slides)
  - No nanomaterials identified
- New LR: recommendation of the WG
  - Umicore as LR for Tetraammineplatinum dinitrate and Platinum dioxide

Request to the PGM Sub-Assembly: approve the election of the LR as recommended by the PGMs WG.

3.5 PGM Project : Main achievements in 2015-Pt and Pt compounds

Klaus Rothenbacher

Name of the substance	CAS	Highest tonnage band to be registered *	Registration submission deadline**	Volunteer Lead Registrant	Nano form	Classification
Platinum	7440-06-4	10-100 t/a	2018	Vale	Yes	None
Hexachloroplatinic acid	16941-12-1	10-100 t/a	2018	Johnson Matthey	No	Acute tox. 2 (H300) (oral)*** Skin corr. 1B (H314) Skin sens. 1B (H317) Eye dam. 1 (H318) Resp. Sens. 1A (H334) STOT RE1 Resp. Sens. 1 (Annex VI) Aquatic acute 1 (H400) Aquatic chronic 1 (H410) Met. Corr. 1 (H290) Acute M-factor 10, Chronic M-factor 10
Tetraammineplatinum dichloride	13933-32-9	1-10 t/a	2018	Johnson Matthey	No	Skin Irrit. 2 (H315) Eye Dam. 2 (H319) Met. Corr. 1 (H290) Aquatic chronic 3 (H412)
Tetraammineplatinum dinitrate (in solution)	20634-12-2	10-100 t/a	2018	Umicore	No	Self-reactive Type A (H240) EUH001: Explosive when dry*** EUH044: Risk of explosion if heated under confinement*** Aquatic chronic 3 (H412)
Diammineplatinum (II) nitrite	14286-02-3	1-10 t/a	2018	Heraeus	No	Eye Dam. 1 (H318) EUH001: Explosive when dry***
Dipotassium tetrachloroplatinate	10025-99-7	1-10 t/a	2018	Heraeus	No	Acute tox. 3 (H301) (oral) Skin Irrit. 2 (H315) Skin sens. 1B (H317) Eye dam. 1 (H318) Resp. Sens. 1A (H334) Resp. Sens. 1 (Annex VI) Met. Corr. 1 (H290)
Platinum dioxide	1314-15-4	1-10 t/a	2018	Umicore	No	Oxid. Solid 1 (H272)
Dihydrogen hexahydroxyplatinate, compound with 2-aminoethanol (1:2) (in solution)	68133-90-4	10-100 t/a	2018	BASF	No	Eye Irrit. 2 (H319)

3.5 PGM Project : Main achievements in 2015-Pt and Pt compounds

Klaus Rothenbacher

Name of the substance	Identification numbers CAS	Highest tonnage band to be registered *	Registration submission deadline**	Volunteer Lead Registrant	Nano form	Classification
Dipotassium hexachloroplatinate	16921-30-5	10-100 t/a	2018	Heraeus	No	Acute tox. 3 (H301) (oral) Skin sens. 1B (H317) Eye dam. 1 (H318) Resp. Sens. 1A (H334) STOT RE1 Resp. Sens. 1 (Annex VI) Met. Corr. 1 (H290) Aquatic acute 1 (H400) Aquatic chronic 1 (H410) Acute M-factor 10, Chronic M-factor 10
Platinum dinitrate	18496-40-7	10-100 t/a	2018	Heraeus	No	Oxid. Liq 3 (H272) Skin Corr. 1A (H314) Eye dam. 1 (H318) Met. Corr. 1 (H290)
Platinum, 1,3-diethenyl-1,1,3,3-tetramethyldisiloxane complexes / Karstedt concentrate (in solution)	68478-92-2	10-100 t/a	2018	Heraeus	No	Flam. Liquid 2 (H225) Aquatic Chronic 4 (H413)
Diammonium hexachloroplatinate	16919-58-7	10-100 t/a	2018	Johnson Matthey	No	Acute tox. 3 (H301) (oral) Skin sens. 1B (H317) Eye dam. 1 (H318) Resp. Sens. 1A (H334) STOT RE1 Resp. Sens. 1 (Annex VI) Met. Corr. 1 (H290)
Dihydrogen hexahydroxyplatinate	51850-20-5	10-100 t/a	2018	Johnson Matthey	No	Eye Irrit. 2 (H319) No other classification currently notified. Testing ongoing.

3.5 PGM Project : Main achievements in 2015-Pt and Pt compounds

Klaus Rothenbacher

- Testing program
  - Completed regular testing program (ecotox + mamm. tox.)
  - Started significant new testing program on HHPA-2AE (e.g., ecotox, irrit., corr., sensit., genotox., repeated dose, repro-screen) BUT decision to take forward repeated dose work (OECD 422) to 2016
  - Started testing on Karstedt Concentrate: hydrolysis study conducted first to inform subsequent important tests
- Exposure assessment
  - Conducted site specific env. monitoring programme
  - Developed life cycle trees for all substances

3.5 PGM Project : Main challenges for 2016-Pt and Pt compounds

Klaus Rothenbacher

- Karstedt Concentrate
  - Conduct remaining testing (ecotox, irrit., corr., sensit., genotox., repeated dose, repro-screen)
  - Conclude on sensitization endpoint:
    - critical due to potential consumer applications (as opposed to most other PGMs)
    - Inconsistent data available from Reconsile ï strategy currently under discussion at PGM WG level
- HHPA-2AE: finalization of ongoing testing

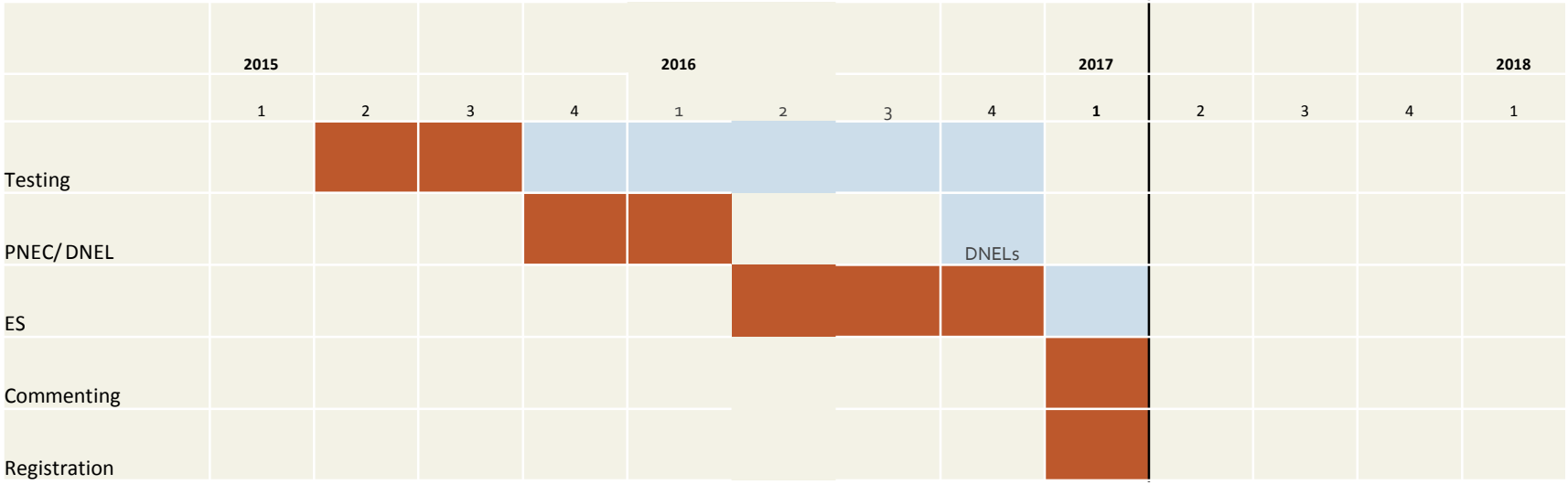
3.5 PGM Project : Main challenges for 2016-Pt and Pt compounds

Klaus Rothenbacher

- Conduct occ. monitoring campaign
  - Currently working on selection of representative sites
  - Need your input on questionnaires (Reminder ï deadline was 30th November 2015!!)
- Derive PNECs/ DNELs
- Finalization of ES

3.5 PGM Project : Timeline ï Pt and Pt compounds

Klaus Rothenbacher



3.5 PGM Project : Main achievements in 2015-Ru and Ru compounds

Klaus Rothenbacher

- Scope finalized
  - RuCl3 will be registered as hydrate only (highlighted on next slide)
- Testing program
  - Initiated testing programs on Tetraammonium decachloro-mu-oxodiruthenate (due to late availability of test material)
  - Initiated significant new testing on RuCl3 (due to tonnage increase)
- Exposure assessment
  - Collected uses for all compounds

3.5 PGM Project : Main achievements in 2015-Ru and Ru compounds

Klaus Rothenbacher

- New LR: recommendation of the WG
  - Heraeus as LR for Tetraammonium decachloro-mu-oxodiruthenate(4-)
  - Johnson Matthey as LR for Hexakis[mu-(acetato-O:O')]-ε3-oxo-triangulo-triruthenium acetate / Ruthenium acetate

Request to the PGM Sub-Assembly: approve the election of the LR as recommended by the PGMs WG.

3.5 PGM Project : Main achievements in 2015-Ru and Ru compounds

Klaus Rothenbacher

Name of the substance	Identification numbers CAS	Highest tonnage band to be registered*	Registration submission deadline **	Volunteer Lead Registrant	Nano form	Classification
Ruthenium	7440-18-8	10-100 t/a	2018	Heraeus	Yes	None
Ruthenium trichloride (hydrate)	14898-67-0	10-100 t/a	2018	Heraeus	No	Aquatic Chronic 4 (H413) Acute tox. 4 (H302) (oral) Eye Dam. 1 (H318) Aquatic Chronic 3 (H412) Met. Corr. 1 (H290) Skin Corr. 1B (H314)
Ruthenium (IV) oxide	12036-10-1	1-10 t/a	2018	Heraeus	No	Oxid. Solid 2 (H271)
Tris(nitrato-O)nitrosylruthenium	34513-98-9	1-10 t/a	2018	Umicore AG&Co.KG	No	Oxid. Solid 1 (H272) Eye Dam. 1 (H318) Met. Corr. 1 (H290) Skin Corr. 1B (H314)
Hexakis[mu-(acetato-O:O')]-µ3-oxo-triangulo-triruthenium acetate / Ruthenium acetate	55466-76-7	1-10 t/a	2018	Johnson Matthey	No	Eye Dam. 1 (H318) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Acute M-factor 1 Chronic M-factor 1
Tetraammonium decachloro-mu-oxodiruthenate(4-)	85392-65-0	10-100 t/a	2018	Heraeus	No	None
Potassium tetraoxoruthenate	31111-21-4	1-10 t/a	2018	Umicore NV/SA	No	None
Ruthenium trihydroxide	12135-42-1	1-10 t/a	2018	Umicore NV/SA	No	Aquatic Chronic 4 (H413)

3.5 PGM Project : Main challenges for 2016-Ru and Ru compounds

Klaus Rothenbacher

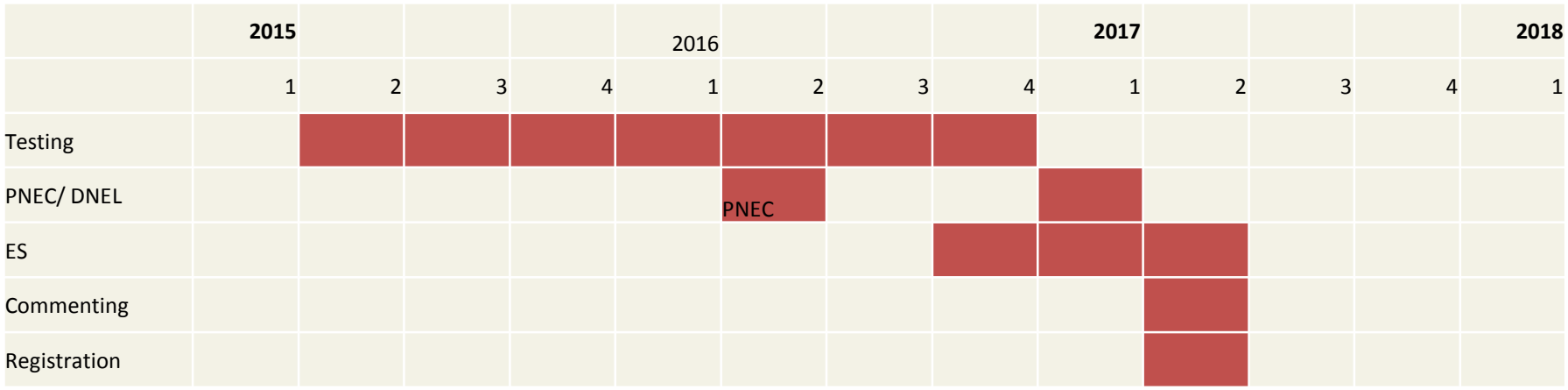
- Tetraammonium decachloro-mu-oxodiruthenate and RuCl3 scheduled for extensive testing

(E.g., ecotox, irrit., corr., sensit., genotox., repeated dose, repro-screen)

- Conduct occ. monitoring campaign
  - Currently working on selection of representative sites
  - Need your input on questionnaires (Reminder ï deadline was 30th November 2015!!)

3.5 PGM Project : Timeline ï Ru and Ru compounds

Klaus Rothenbacher



3.5 PGM Project : Main achievements in 2015-Rh and Rh compounds

Klaus Rothenbacher

- Scope finalized
  - RhCl3 will be registered as hydrate only (highlighted on next slide)
  - No nanomaterials ï cf. supra
- Testing program
  - All ecotox tests and mamm. tox tests completed
- Exposure assessment
  - Conducted site specific env. monitoring program
  - Collected uses for all compounds

3.5 PGM Project : Main achievements in 2015-Rh and Rh compounds

Klaus Rothenbacher

- New LR: recommendation of the WG
  - Heraeus as LR for Di-µ-chloro-bis(hapto-1,5-cyclooctadiene)dirhodium(I)
  - Umicore as LR for Rhodium tris(2-ethylhexanoate) and Dirhodium trisulphate

Request to the PGM Sub-Assembly: approve the election of the LR as recommended by the PGMs WG.

3.5 PGM Project : Main achievements in 2015-Rh and Rh compounds

Klaus Rothenbacher

Name of the substance	Identification numbers CAS	Highest tonnage band to be registered*	Registration submission deadline**	Volunteer Lead Registrant	Nano form	Classification
Rhodium	7440-16-6	10-100 t/a	2018	Johnson Matthey	Yes	None
Carbonyl(pentane-2,4-dionato-O,O')(triphenylphosphine)rhodium	25470-96-6	1-10 t/a	2018	Johnson Matthey	No	Aquatic Chronic 4 (H413)
Carbonylhydrotris(triphenylphosphine)rhodium	17185-29-4	1-10 t/a	2018	Umicore NV/SA	No	Aquatic Chronic 4 (H413)
Dicarbonyl(pentane-2,4-dionato-O,O')rhodium	14874-82-9	1-10 t/a	2018	Umicore AG&Co.KG	No	Acute tox. 3 (H301) (oral) Eye Irrit. 2 (H319) Skin sens. 1 (H317) Aquatic Chronic 3 (H412) Flam. Solid 1 (H228) EUH044: Risk of explosion if heated under confinement***
Rhodium tris(2-ethylhexanoate)	20845-92-5	1-10 t/a	2018	Umicore	No	Aquatic Chronic 4 (H413)
Rhodium trichloride (hydrate)	20765-98-4	1-10 t/a	2018	Heraeus	No	Aquatic Chronic 4 (H413) Acute tox. 4 (H302) (oral) Eye Dam. 1 (H318) Muta. 2 (H341) Met. Corr. 1 (H290)
Di-μ-chloro-bis(hapto-1,5-cyclooctadiene)dirhodium(I)	12092-47-6	1-10 t/a	2018	Heraeus	No	None
Tris(triphenylphosphine) rhodium (I) chloride	14694-95-2	1-10 t/a	2018	Umicore AG&Co.KG	No	Aquatic Chronic 4 (H413)
Rhodium triiodide	15492-38-3	1-10 t/a	2018	Umicore AG&Co.KG	No	Aquatic Chronic 4 (H413)
Dirhodium trisulphate	10489-46-0	1-10 t/a	2018	Umicore	No	Eye Dam. 1 (H318) Skin Corr. 1B (H314) Met. Corr. 1 (H290)
Dirhodium trioxide	12036-35-0	1-10 t/a	2018	Umicore AG&Co.KG	No	None
Rhodium (III) acetate	42204-14-8	1-10 t/a	2018	Umicore AG&Co.KG	No	Eye Dam. 2 (H319)
Rhodium trinitrate	10139-58-9	1-10 t/a	2018	Johnson Matthey	No	Oxid. Solid 1 (H272) Met. Corr. 1 (H290) Acute tox. 4 (H302) (oral) Eye Dam. 1 (H318) Skin Corr. 1B (H314) Skin sens. 1A (H317) Aquatic Acute 1 (H400) Aquatic Chronic 1 (H410) Acute M-factor 1, Chronic M-factor 1
Rhodium trihydroxide	21656-02-0	1-10 t/a	2018	Heraeus	No	Aquatic Chronic 4 (H413)
Triammonium hexachlororhodate	15336-18-2	1-10 t/a	2018	Vale	No	Eye Dam. 1 (H318)
Diammonium sodium hexakis(nitrito-N)rhodate	64164-17-6	10-100 t/a	2018	Vale	No	Oxid. Solid 3 (H272) Self heat. Cat. 1 (H251)

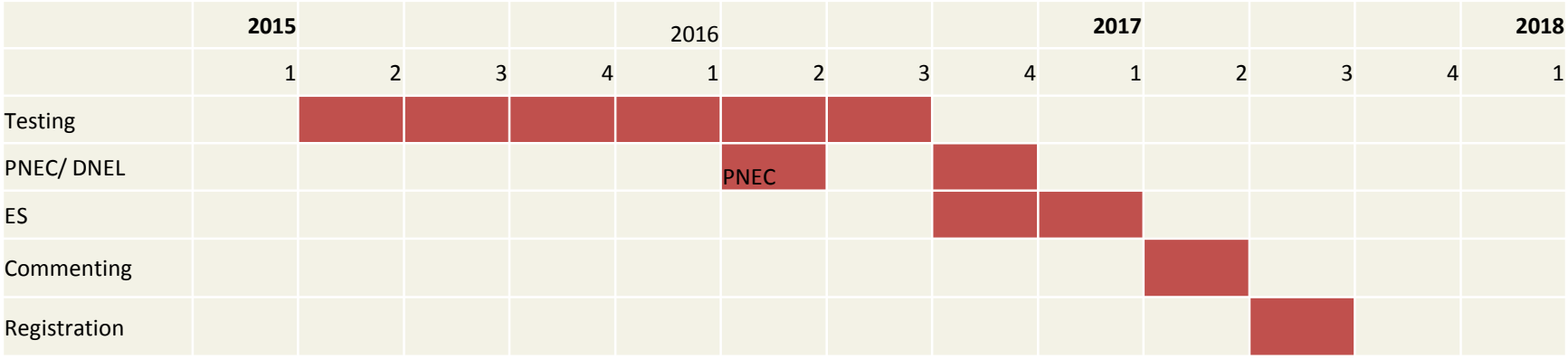
3.5 PGM Project : Main challenges for 2016-Rh and Rh compounds

Klaus Rothenbacher

- Keep momentum despite high priorities of other PGMs (Pd, Pt, Ru)
- Conclude assessment on Rh(III) genotoxicity
- Conduct occ. monitoring campaign
  - Currently working on selection of representative sites
  - Need your input on questionnaires (Reminder ï deadline was 30th November 2015!!)

3.5 PGM Project : Timeline ï Rh and Rh compounds

Klaus Rothenbacher



3.5 PGM Project : Conclusions

Klaus Rothenbacher

- Projects on schedule except Ir & Ir compounds
- Tiered approach for Pd and Pd compounds registration (Q3 2016 and Q4 2017)
- Significant new testing ongoing for Pt- and Ru-compounds
- No nanos will be included so far under the PGMs programs

3.6 Re Project : Finance

Katrien Arijs

Status of 2015 accounts (Jan-Oct)

		Budget	Real	Delta
2.6	***Re-specific costs***	***9.450 ú***	***3.621 ú***	***5.829 ú***
2.6.1	**Re REACH registration and CLP notification work programme**	***9.450 ú***	***3.621 ú***	***5.829 ú***
2.6.1.1	*Phase 1: Literature search, data gap analysis and recommendations (e.g. CLP update)*	6.300 ú	1.610 ú	*4.690* ***ú***
2.6.1.2	*Phase 2: In-depth data gap analysis and integrated testing strategy*	0 ú		*0* ***ú***
2.6.1.3	*Phase 3: Experimental studies (testing programme including cost of samples)*	0 ú		*0* ***ú***
2.6.1.4	*Phase 4: Generation of Chemical Safety Report*	0 ú		*0* ***ú***
2.6.1.5	*Phase 5: Generation of IUCLID 5 Files and Registration Dossiers*	0 ú		*0* ***ú***
	IUCLID 5 Hosting System	3.150 ú	2.011 ú	*1.139* ***ú***

Total actuals 2007- 2015: **ú 424.844,00**

3.6 Re Project : 2016 Budget

Katrien Arijs

		Budget *to be spent*	Budget *to be invoiced*	HR
2.6	***Re-specific costs***	***11.400 ú***	***11.400 ú***	***0,02***
2.6.1	**Re REACH registration**	**0 ú**	**0 ú**	
2.6.1.1	*Phase 1: Literature search, data gap analysis and recommendations (e.g. CLP update)*	0 ú	0 ú	
2.6.1.2	*Phase 2: In-depth data gap analysis and integrated testing strategy*	0 ú	0 ú	
2.6.1.3	*Phase 3: Experimental studies (testing programme including cost of samples)*	0 ú	0 ú	
2.6.1.4	*Phase 4: Generation of Chemical Safety Report*	0 ú	0 ú	
2.6.1.5a	*Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers*	0 ú	0 ú	
2.6.1.5b	*Phase 5b: IUCLID 5 Hosting System*	0 ú	0 ú	
2.6.2	**Re REACH dossier maintenance**	**11.400 ú**	**11.400 ú**	
2.6.2.1	*Phase 1: Literature search, data gap analysis and recommendations*	3.200 ú	3.200 ú	
2.6.2.2	*Phase 2: In-depth data gap analysis and integrated testing strategy*	0 ú	0 ú	
2.6.2.3	*Phase 3: Experimental studies (testing programme including cost of samples)*	0 ú	0 ú	
2.6.2.4	*Phase 4: Generation of Chemical Safety Report*	0 ú	0 ú	
2.6.2.5a	*Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers*	3.200 ú	3.200 ú	
2.6.2.5b	*Phase 5b: IUCLID 5 Hosting System*	5.000 ú	5.000 ú	
2.6.2.6	*Phase 6: Administration/others (secretariat work for project management, organisation & participation in meetings, communication)*			
2.6.3	**Re REACH evaluation *(not relevant)***	**0 ú**	**0 ú**	
2.6.3.1	*Dossier evaluation*	0 ú	0 ú	
2.6.3.2	*Substance evaluation*	0 ú	0 ú	
2.6.4	**Re REACH classification & labelling**	**0 ú**	**0 ú**	
2.6.5	**Re REACH authorisation *(not relevant)***	**0 ú**	**0 ú**	
2.6.6	**Re internal and external fixed Scientific Manager**	**0 ú**	**0 ú**	
2.6.7	**Re Building reserves**		***0 ú***	

3.6 Re Project : Main achievements in 2015

Katrien Arijs

- Literature review performed: no update of dossiers needed

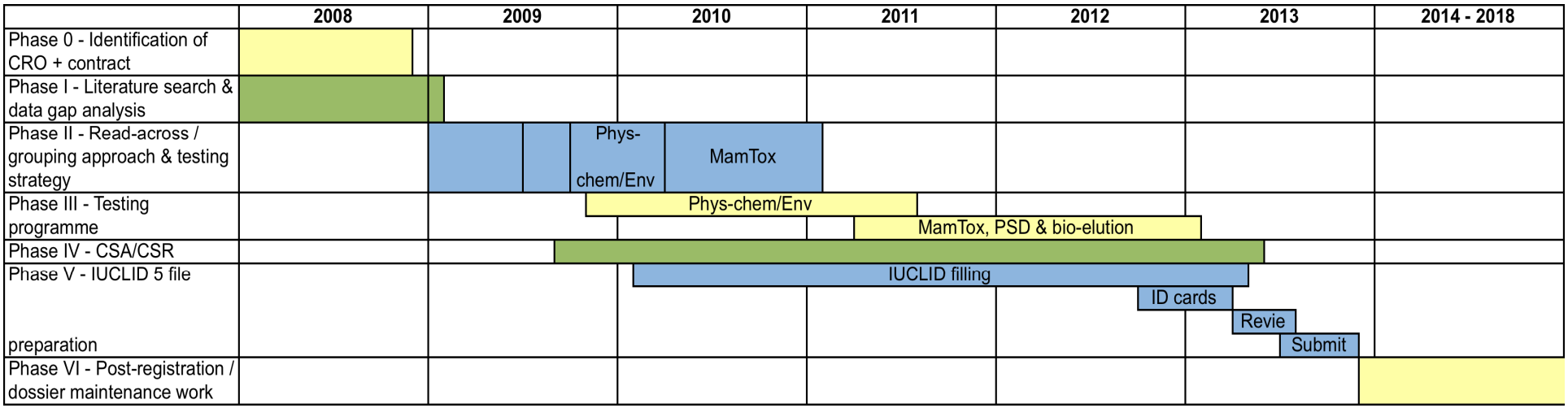
3.6 Re Project : Main challenges for 2016

Katrien Arijs

- 1 remaining dossier (dirhenium heptasulphide) to be submitted now that registration interest is confirmed
- Follow-up ECHA Annex III list to check presence of Re substances and check if dossier updates are needed
- Except for some light dossier maintenance work (literature review and subsequent update of dossiers), no further work anticipated

3.6 Re Project : Timeline

Katrien Arijs



3.6 Re Project : Conclusions

Katrien Arijs

- Dossiers submitted well on time for 2018 registration deadline
- Except for some light dossier maintenance work, no further work anticipated

3.7 SVHC Roadmap Project: Mandate

France Capon

- Monitor activities related to SVHC Roadmap (Screening of substances for CoRAP, RMOs, etc.)
- Contribute to public consultations for critical substances for the PM industry
- Contribute to advocacy activities related to SVHC Roadmap (e.g.: RMO, recyclingé) to help preventing and mitigating Authorisation impact on PM industry

N.B.: PM substances potentially impacted by SVHC Roadmap are excluded (e.g.: chloroplatinates are handled under the PMG/Pt project)

3.7 SVHC Roadmap Project: 2016 Budget

France Capon

	Budget *to be spent*	Budget *to be invoiced*	HR
2.8 SVHC Roadmap-specific costs	***20.000 ú***	***20.000 ú***	***0,2***
2.8.1 Authorisation work programme	**10.000 ú**	**10.000 ú**	
2.8.2 Monitoring and advocacy	**0 ú**	**0 ú**	
2.8.3 Prioritization on authorisation	**10.000 ú**	**10.000 ú**	

3.7 SVHC Roadmap Project: Main challenges for 2016

France Capon

- Update of the monitoring tables: Candidate list, Annex XIV and CoRAP
- Identification of key priorities for 2016
- Contribution to the public consultation on Pb compounds (7th prioritization list)
- Advocacy on Borates (6th prioritization list to be approved by the European Commission)
- Advocacy on REACH versus OHS (relevant for several PMC substances)

Precious Metals Consortium

4. Closing remarks

Guy Ethier
Umicore

Precious Metals Consortium

5. Welcome and Introduction

Guy Ethier
Umicore

5.1 Confidentiality and Competition Law

DO	DON'T
Application of competition law	
Art. 101 and 102 TFEU may be applicable to the conclusion of any preliminary agreement and activities of any preliminary phase.	Don't assume that conflicts with competition law are excluded simply by the fact that the Agreement complies with the provisions of the REACH Regulation.
Consultation in Matters of Competition Law	
Consult an in-house legal expert or the compliance officer of your company or an external lawyer whenever there are uncertainties respecting compliance with competition law. Stop all meetings/discussions which are not in compliance with these Compliance Guidelines until a legal expert has been involved.	Don't assume that these Compliance Guidelines deal with all competition law issues exhaustively. Basically, compliance with Art. 101 and 102 TFEU can be determined only on the basis of market impact in each individual case. These Compliance Guidelines may therefore be regarded only as a means of providing general conduct recommendations.
Activities in any preliminary phase and at any other stage of operation of the Consortium	
Restrict cooperation within the scope of the preliminary phase to the initially defined goals and purposes of the cooperation.	Pursuant to Art. 101 and 102 TFEU, activities which have the object of the effect of preventing, restricting and/or distorting competition are prohibited within the scope of this Agreement, including: - Coming to agreement, including arrangements or collusions, about prices, markets and customers (see Art. 101 paragraph 1 a)-e) TFEU); - Joint boycotting of other companies; - The unjustified unequal treatment of trade partners; - The abusive exploitation of a dominating market position.
Exchange of Confidential Information	
Involve a Trustee for the exchange of Confidential Information.	The exchange of information concerning market behaviour and having the object or the effect of preventing, restricting and/or distorting competition is inadmissible; in particular, this relates to : - Production capacities; - Productions or sales volumes; - Import volumes; - Market shares; - Price policy; - Distribution and marketing terms; - Marketing strategies; - Information regarding the relationship with suppliers.
Documentation on Cooperation	
Keep minutes of all meetings which detail the subject of the meeting. In case of uncertainty, have the contents of the minutes reviewed by an external legal expert prior to sending them to all parties of the Agreement. Stop all meetings which are not in compliance with these Guidelines until a legal expert has been involved.	

5.2 Tour de table, quorum and apologies

Cf. attendance list

5.3 Approval of the agenda 02/12/2015

5 Welcome and Introduction

5.1 Confidentiality and Competition Law

5.2 Tour de table, quorum and apologies

5.3 Approval of the agenda

6 PMC Membership

7 PMC Finances and data sharing

7.1 Finance

7.2 PMC cost-sharing

7.3 Letter of Access

7 PMC Workplan 2016-2020

8 AOB, next meeting and closing remarks

Precious Metals Consortium

6. PMC Membership

France Capon
EPMF

PMC Membership from 45 to 42 members

Agnico-Eagle
Ames Goldsmith U.K.
Anglo
Argor-Heraeus
Aurubis
BASF
Boliden
C. Hafner
Cendres + Métaux
Chimet
Climax Molybdenum
Commerzbank
Doduco
Du Pont UK
Dragstsvetmet
Eramet
Ferro
Glencore
Handy & Harman
HCM
Heimerle + Meule
Heraeus
Johnson Matthey
KCM 2000

KGHM Metraco
KGHM Polska Miedz
Krastsvetmet
Lipmann Walton & Co.
Lonmin
Metalor
Montanwerke Brixlegg
Norilsk Nickel
PAMP
PX Group
Recylex
Safimet
Saft
Saxonia
SFPZ
Tanaka Kikinzoku Kogyo
Traxys Europe
UIT
Umicore
Valcambi
Vale

As of February 6th 2016

As of January 1 2016 ï but discussions are ongoing on conditions to join again before 2018

Precious Metals Consortium

7. PMC Finances and data sharing

France Capon
EPMF

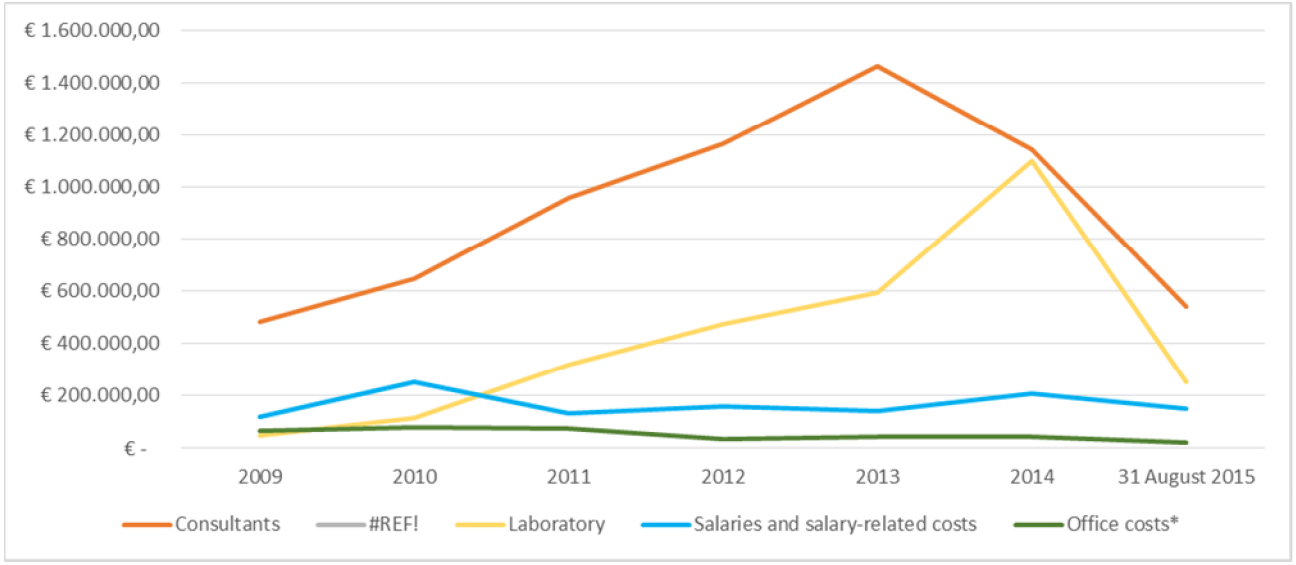
7.1 Finance: 2015 forecast (Jan-Oct)

	Budget	Real	Delta
2.1 Generic costs	789.929 ú	585.736 ú	204.192 ú
2.2 Ag-specific costs	241.415 ú	110.956 ú	130.460 ú
2.3 Au-specific costs	56.650 ú	51.091 ú	5.559 ú
2.4 PM CN- -specific costs	193.900 ú	158.501 ú	35.399 ú
2.5 PGM-specific costs	1.168.010 ú	474.347 ú	693.663 ú
2.6 Re-specific costs	9.450 ú	3.621 ú	5.829 ú
2.7 Refinables-specific costs	365.824 ú	17.020 ú	348.804 ú
2.8 Hydrazine-specific costs	78.000 ú	45.750 ú	32.251 ú
	Budget	Real	Delta
TOTAL	2.903.178 ú	1.447.022 ú	1.456.156 ú

7.1 Finance: overview spending consultants, labsé

	2009	2010	2011	2012	2013	2014	31 August 2015	TOTAL
Consultants	€ 482.960,99	€ 647.333,00	€ 955.616,02	€ 1.164.261,97	€ 1.463.002,21	€ 1.144.402,83	€ 540.958,52	€ 6.398.535,54
Laboratory	€ 46.671,80	€ 113.585,55	€ 317.308,26	€ 473.577,81	€ 594.722,91	€ 1.097.480,32	€ 254.365,42	€ 2.897.712,07
Salaries and salary-related costs	€ 117.792,84	€ 251.884,32	€ 132.770,34	€ 159.169,54	€ 142.736,70	€ 210.207,27	€ 152.590,55	€ 1.167.151,56
Office costs*	€ 68.204,80	€ 78.527,80	€ 74.138,82	€ 34.513,15	€ 45.672,29	€ 44.462,35	€ 23.765,58	€ 369.284,79

** incl. travel costs till 2011*



7.1 Finance: overview spending consultants, labsé

Consultants	2009	2010	2011	2012	2013	2014	31 August 2015	TOTAL
WCA	246.064,65	278.173,59	461.463,35	439.379,36	501.598,98	342.519,66	163.906,65	€ 2.433.106,24
EBRC	73.757,04	123.590,54	91.625,33	215.109,72	393.378,72	420.077,12	98.310,74	€ 1.415.849,21
Rothenbacher/Red River	58.043,85	85.769,97	118.459,96	125.059,31	132.440,07	130.406,77	73.950,00	€ 724.129,93
ARCHE		30.250,00	76.893,88	109.127,26	96.845,35	94.989,85	93.948,00	€ 502.054,34
CSIRO				242.627,08	200.510,21			€ 443.137,29
ECTX		78.798,91	181.450,81	17.699,00	17.452,99			€ 295.401,71
RSA				1.679,69	44.037,42	78.746,95	28.411,26	€ 152.875,32
BIBRA					21.431,36	31.737,54	45.387,98	€ 98.556,88
Arcadis	€ 80.718,07							€ 80.718,07
HW CONSULT		29.646,48	15.065,67					€ 44.712,15
BOYD					7.151,04	40.381,66	15.714,26	€ 63.246,96
RPA					45.588,18	5.543,28		€ 51.131,46
KNOEL	21.072,82	3.760,00						€ 24.832,82
HydroQual		16.260,07	3.560,26					€ 19.820,33
MARK							14.329,63	€ 14.329,63
MUTCH				11.979,24	1.553,20			€ 13.532,44
KIRKLAND			6.935,38	1.601,31				€ 8.536,69
MVANDERSTR							7.000,00	7.000,00
DR PCH Mitchell	3.304,56							€ 3.304,56
Johnson Matthey		1.083,44						€ 1.083,44
VEROUGSTRA					800			€ 800,00
OFFICE INT					214,69			€ 214,69
ACTON			161,38					€ 161,38
Consultants	**€ 482.960,99**	**€ 647.333,00**	**€ 955.616,02**	**€ 1.164.261,97**	**€ 1.463.002,21**	**€ 1.144.402,83**	**€ 540.958,52**	**€ 6.398.535,54**

7.1 Finance: actuals 2007-October 2015

Generic costs	ú 3.803.964,00
Ag-specific costs	ú 2.627.117,00
Au-specific costs	ú 638.625,00
PM CN- -specific costs	ú 724.561,00
PGM-specific costs	ú 4.292.699,00
Re-specific costs	ú 424.844,00
Refinables-specific costs	ú 1.307.611,00
Hydrazine - specific costs	ú 97.563,00
TOTAL	**ú 13.916.984,00**

7.1 Finance: Committed by 30/10/2015

		2015 Budget	2015 Forecast (30/06/2015)	Expenses by 30/10/2015	Committed by 30/10/2015	Remaining available budget (2015 budget- Committed- Expenses)
2.1	Generic costs	ú 789.928	ú 902.105	585.736 ú	ú 288.272	ú -84.080
2.2	Ag-specific costs	ú 241.415	ú 280.415	110.956 ú	ú 110.000	ú 20.459
2.3	Au-specific costs	ú 56.650	ú 124.792	51.091 ú	ú 65.499	-ú 59.940
2.4	PM CN- -specific costs	ú 193.900	ú 322.790	158.501 ú	ú 307.774	-ú 272.375
2.5	PGM-specific costs	ú 1.168.010	ú 2.120.010	474.347 ú	ú 1.876.857	-ú 1.183.194
2.6	Re-specific costs	ú 9.450	ú 9.450	3.621 ú	ú 0	ú 5.829
2.7	Refinables-specific costs	ú 365.824	ú 365.824	17.021 ú	ú 178.893	ú 169.910
2.8	Hydrazine-specific costs	ú 78.000	ú 100.000	45.750 ú	ú 500	ú 31.750
	TOTAL	**ú 2.903.177**	**ú 4.225.386**	**ú 1.447.023**	**ú 2.827.795**	**ú -1.371.641**

7.1 Finance: Reserves

		Building reserves in 2016 (to be invoiced)	Total reserves after 2014 audit	Mimimun reserves to be retained in-house to be agreed GA Dec 2015	Minimum reserves to be retained in-house agreed GA Dec 2014	SIMULATION TOTAL RESERVES END 2015
1.2.1	Generic costs	€ 0,00	€ 158.118,03	€ 320.445,78	€ 167.412,00	€ 153.159,23
1.2.2	Ag-specific costs	€ 8.652,13	€ -3.180,85	€ 210.000,00	€ 208.607,00	€ 201.347,87
1.2.3	Au-specific costs	€ 0,00	€ 38.693,76	€ 30.000,00	€ 26.604,00	€ 80.263,37
1.2.4	PM CN- -specific costs	€ 0,00	€ 133.028,47	€ 40.000,00	€ 37.468,00	€ 197.571,82
1.2.5	PGM-specific costs	-	-	-	€ 234.431,00	
1.2.5a	Pt-specific costs	€ 78.052,38	€ 275.847,62	€ 165.000,00	-	€ 86.947,62
1.2.5b	Pd-specific costs	€ 73.273,34	€ 386.186,66	€ 195.000,00	-	€ 121.726,66
1.2.5c	Rh-specific costs	€ 7.441,91	€ 220.678,09	€ 77.000,00	-	€ 69.558,09
1.2.5d	Ru-specific costs	€ 48.831,43	€ 165.508,57	€ 101.000,00	-	€ 52.168,57
1.2.5e	Ir-specific costs	€ 0,00	€ 55.169,52	€ 0,00	-	€ 17.389,52
1.2.6	Re-specific costs	€ 0,00	€ 168.626,86	€ 22.000,00	€ 21.490,00	€ 159.176,86
1.2.7	Refinables-specific costs	€ 0,00	€ 293.263,94	€ 115.000,00	€ 112.587,00	€ 293.263,94
1.2.8	Hydrazine	€ 0,00	€ 54.456,74	€ 2.600,00	€ 2.591,00	€ 32.456,74
1.2.9	SVHC-specific costs	€ 0,00	-		-	-
	TOTAL	**€ 216.251,18**	**€ 1.946.397,42**	**€ 1.278.045,78**	**€ 811.190,00**	**€ 1.465.030,30**

7.2 PMC cost-sharing: Principles

- Refinables are now treated as all the other substances allowing cost sharing based on substance or intermediate under SCC
- Administrative costs:
  - Allocation by project based on HR allocation key
  - Reality check performed at the end of the year
- PGMs: split of cost per « substance family »: Pt, Pd, Ir, Ru and Rh
- Silver Evaluation:
  - Apply a weighting factor of 5000 in 2016 by decision of the Assembly
  - Review the situation on a yearly basis
- SVHC Roadmap:
  - Costs must be shared between all Sub-Assemblies except Re sub-Assembly
- Reimbursement principle included in Cs agreement and LoA
- LoA:
  - Use same cost sharing formula than for Cs

7.2 PMC cost-sharing: definition

ñApplicable costsò:

- Administrative costs (e.g. human resources including the Secretary General, the Secretariatôs personnel, the Regulatory Affairs Manager, office costs, meeting and travel costs, Assembly costs, Eurometaux fees, Trustee fees, Accountant fees, External Legal Counsel fees, etc). ï 7.1.1 (a)
- Information and Study(ies) licensed from a Disclosing Party as referred to in Article 5.1.4 ï 7.1.1 (b)
- Remuneration of the scientific managers and consultants, e.g.: the reports on data gap analysis, the compilation of Registration Dossiers, and other activities for which they have been contracted ï 7.1.1 (c)
- Remuneration of the external and independent experts ï 7.1.1 (d)
- Performance of the tests to comply for the REACH Regulation requirements ï 7.1.1 (e)
- The cost of the samples of Substances or Isolated Intermediates which are provided by the Members in order to be used as reference materials in the test program ï 7.1.1 (f)

ñIntermediateò shall have the meaning of the REACH Regulation, as the latter may be modified or revised from time to time. The intermediates under not-strictly controlled conditions are considered for the registration purpose and in this cost-sharing formula as ñsubstanceò

7.2 PMC cost-sharing: allocation

- Administrative costs referred to in Article 7.1.1. a), the allocation key will be driven by the relative proportion of human resources expended by project and will be reviewed each year based on the new human resources needs for each project. At the end of each year, the allocation key (initially based on budget) will be checked and, to the extend necessary, adapted to ensure that it corresponds to the actual human resources needs for each project. These administrative costs will be borne by the concerned Sub-Assemblies and will be equally shared by the Members within the concerned Sub-Assemblies.

- As regards the other applicable costs referred to in Article 7.1.1 b) to f), they will be borne by each concerned Sub-Assembly and will be shared by the concerned Members following two weighted approaches:
  - 50% (fifty percent) of these costs will be allocated according to the total number of Substances each Member has declared to the Trustee at the moment of the signature of the Precious Metals and Rhenium Consortium Agreement or afterwards updated to the Trustee, and

7.2 PMC cost-sharing: allocation

- 50% (fifty percent) of these costs will be allocated according to:
  - the number of Substances per tonnage band each Member has declared to the Trustee at the moment of the signature of the Precious Metals and Rhenium Consortium Agreement or afterwards updated to the Trustee,
  - the number of Isolated Intermediates handled under strictly controlled conditions each Member has declared to the Trustee at the moment of the signature of the Precious Metals and Rhenium Consortium Agreement or afterwards updated to the Trustee, where:
    - Isolated Intermediates handled under strictly controlled conditions in any tonnage band (1 (1 (one) to 10 (ten) tonnes per year), 2 (10 (ten) to 100 (one hundred) tonnes per year), 3 (100 (one hundred) to 1000 (one thousand) tonnes per year, or 4 (more than 1000 (one thousand) tonnes per year) will be weighted with a factor of 1 (one);
    - Substances in tonnage band 1 will be weighted with a factor of 5 (five);
    - Substances in tonnage band 2 will be weighted with a factor of 20 (twenty);
    - Substances in tonnage band 3 will be weighted with a factor of 100 (one hundred); and
    - Substances in tonnage band 4 will be weighted with a factor of 1000 (one thousand).

7.2 PMC cost-sharing: request to Assembly

Request to the Assembly:

- Approve the new cost sharing principles and formula
- Approve the amended version of the Consortium agreement (v.4 dated 17 November 2015)
- Take note of the payment holiday proposed by the Management Committee for the Re Sub-Assembly

N.B.: no change in the product portfolio of the companies will be accepted for 2016

7.2 PMC cost-sharing: ad-hoc proposal on Ag Evaluation

- The Cost Sharing WG and the Management Committee recommends the following approach for the sharing of the costs related to nano silver and especially to Evaluation in 2016:

Payment of the costs related to the Evaluation of nanosilver by all the companies of the Ag Sub-Assembly based on a specific cost sharing formula introducing a weighting factor of 5000 for the companies producing nanosilver.

- This cost sharing formula will apply in 2016 and will be reconsidered in 2017 to check if it is still fair and non-discriminatory for the co-registrants.

Request to the Ag Sub-Assembly: approve the use of a weighting factor of 5000 for nano requirements in the cost sharing formula in 2016 and assess again this formula for 2017.

7.3 Letter of Access: the principles

- The same cost sharing formula will apply for all co-registrants (cf. cost sharing formula and principles described under point 7.2.)
- The costs related to other projects than the ones related to the Registration dossiers will be removed
- The LoA costs will be fixed on real costs and on the budget of the ongoing year (e.g.: real costs from 2007-2015 and 2016 budget)
- The price of the LoA will be updated on a yearly basis. Companies which bought LoAs in the past will be invoiced for the work done after the acquisition of the LoA. The invoicing will be done on an ad-hoc basis and not on a yearly basis to avoid unnecessary administrative burdens.
- A reimbursement principle will be introduced in the updated version of the LoA agreement

7.3 Letter of Access: an example

		2007-2015		2016		
Project / Dossier	Band	2007-2015 Admin costs	2007-2015 Other applicable costs	2016 Admin costs	2016 Other applicable costs	TOTAL LoA
Ag	Intermediate	€ 11.262	€ 258	€ 3.812	€ 22	€ 15.353
	1-10	€ 11.262	€ 26.933	€ 3.812	€ 5.857	€ 47.864
	10-100	€ 11.262	€ 30.785	€ 3.812	€ 6.181	€ 52.040
	100-1000	€ 11.262	€ 51.009	€ 3.812	€ 7.896	€ 73.979
	> 1000	€ 11.262	€ 246.523	€ 3.812	€ 26.081	€ 287.678
	Nano intermediate	€ 11.262	€ 258	€ 3.812	€ 82.277	€ 97.609
	Nano 1-10	€ 11.262	€ 26.933	€ 3.812	€ 88.076	€ 130.083
	Nano 10-100	€ 11.262	€ 30.785	€ 3.812	€ 88.264	€ 134.123
	Nano 100-1000	€ 11.262	€ 51.009	€ 3.812	€ 89.261	€ 155.344
	Nano > 1000	€ 11.262	€ 246.523	€ 3.812	€ 99.972	€ 361.570

Request to the Assembly: approval of the new principles related to LoA

7.3 Letter of Access: next steps

Q1 2016

- Implementation of the principles for all the other projects
- Update of the LoA agreement
- Communication of the new prices to REACHCentrum to update the LoA e-shop

Precious Metals Consortium

8. PMC Workplan 2016-2020

France Capon
EPMF

8. Workplan 2016-2020: Introduction

Aims of the workplan

- Provide the MC and the Assembly with an overview of the projects including clear scope of the Cs (cf. list of substances in annex)
- Present in an integrated way the budget, HR and timeline of the PMC
- Highlight the risks related to HR or timeline
- Provide an outlook for the 5 coming years

WP will be updated every year and approved by the Assembly in December of each year

8. Workplan 2016-2020: Projects

Ag project

- Substance Evaluation
- CLH under biocides
- Maintenance of the dossiers: litterature review

Au project

- Registration: submission of the dossiers (Q1 and Q3 2016)

CN project

- Registration: submission of 2 dossiers
- Registration: testing of potassium docyanoargentate (Q3 2017 for registration)

8. Workplan 2016-2020: Projects

Pt project

- Registration: Envi and HH testing + IUCLID completion + exposure assessment
- chloroplatinates: DNELs derivation.

Pd project

- Registration: finalisation and submission of the dossiers

Rh project

- Registration: Envi and HH testing + IUCLID completion + exposure assessment + nano inclusion

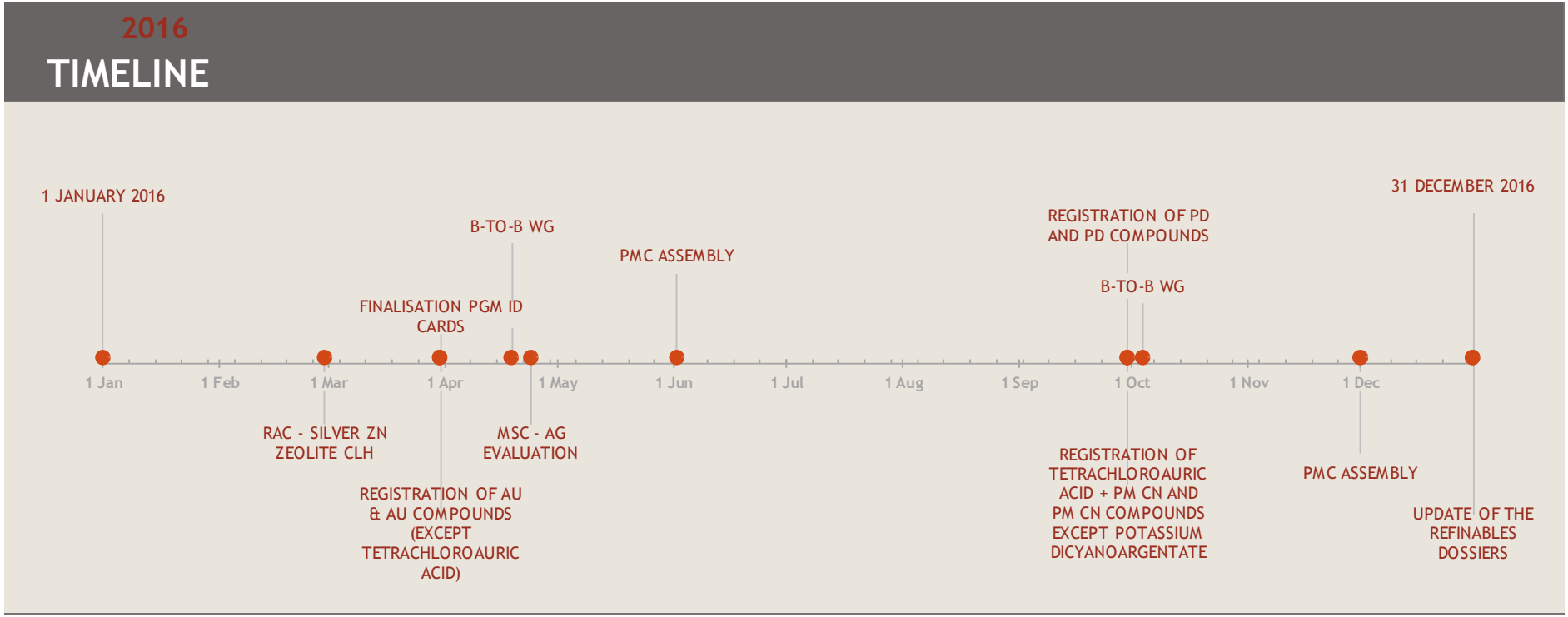
8. Workplan 2016-2020: Projects

Ru project	Ir project
• Registration: Envi and HH testing on Ruthenium trichloride + IUCLID completion + exposure assessment	• Maintenance of the dossiers: will start in 2017

8. Workplan 2016-2020: Projects

Re project	PM refinables project	SVHC Roadmap project
• Maintenance of the dossiers: litterature review	• Maintenance of the dossiers: identity check, improvement of ES	• Monitoring of EU and EM activities related to SVHC Roadmap and RMM

8. Workplan 2016-2020: 2016 Timeline



8.1 Approval of 2016 budget

	PMC 2016 Budget *to be spent*	PMC 2016 Budget *to be invoiced*	PMC 2016 HR
2.1 Administrative costs	*618.800 ú*	*618.800 ú*	*1,5*
2.2 Ag-specific costs	*681.250 ú*	*689.902 ú*	*0,8*
2.3 Au-specific costs	*109.700 ú*	*79.550 ú*	*0,2*
2.4 PM CN- -specific costs	*375.500 ú*	*288.200 ú*	*0,2*
2.5.A Platinum-specific costs	*1.160.450 ú*	*645.102 ú*	*0,5*
2.5.B Palladium-specific costs	*548.900 ú*	*622.173 ú*	*0,7*
2.5.C Rhodium-specific costs	*363.775 ú*	*371.217 ú*	*0,4*
2.5.D Ruthenium-specific costs	*559.725 ú*	*345.956 ú*	*0,3*
2.5.E Iridium-specific costs	*1.000 ú*	*1.000 ú*	*0,1*
2.6 Re-specific costs	*11.400 ú*	*11.400 ú*	*0,02*
2.7 Refinables-specific costs	*772.550 ú*	*277.550 ú*	*0,4*
2.8 SVHC Roadmap-specific costs	*20.000 ú*	*20.000 ú*	*0,2*
	PMC 2016 Budget *to be spent*	PMC 2016 Budget *to be invoiced*	PMC 2016 HR
TOTAL	5.223.050 ú	3.970.851 ú	5,32

8.1 Approval of 2016 budget

Latest info: Rh nano does not need to be included in the Registration dossier – 200.000€ can be removed from the budget!
NEW PROPOSED BUDGET: **163.775€ (to be spent) and 171.217€ (to be invoiced)**

	PMC 2016 Budget *to be spent*	PMC 2016 Budget *to be invoiced*	PMC 2016 HR
2.1 Administrative costs	*618.800 ú*	*618.800 ú*	*1,5*
2.2 Ag-specific costs	*681.250 ú*	*689.902 ú*	*0,8*
2.3 Au-specific costs	*109.700 ú*	*79.550 ú*	*0,2*
2.4 PM CN- -specific costs	*375.500 ú*	*288.200 ú*	*0,2*
2.5.A Platinum-specific costs	*1.160.450 ú*	*645.102 ú*	*0,5*
2.5.B Palladium-specific costs	*548.900 ú*	*622.173 ú*	*0,7*
2.5.C Rhodium-specific costs	*363.775 ú*	*371.217 ú*	*0,4*
2.5.D Ruthenium-specific costs	*559.725 ú*	*345.956 ú*	*0,3*
2.5.E Iridium-specific costs	*1.000 ú*	*1.000 ú*	*0,1*
2.6 Re-specific costs	*11.400 ú*	*11.400 ú*	*0,02*
2.7 Refinables-specific costs	*772.550 ú*	*277.550 ú*	*0,4*
2.8 SVHC Roadmap-specific costs	*20.000 ú*	*20.000 ú*	*0,2*
	PMC 2016 Budget *to be spent*	PMC 2016 Budget *to be invoiced*	PMC 2016 HR
TOTAL	5.223.050 ú	3.970.851 ú	5,32

Request to the Assembly: approval of 2016 Workplan and related budget of **5.023.050ú (to be spent) and 3.770.851ú (to be invoiced)**

8. Workplan 2016-2020: outlook 2017-2018 budgets

YEAR	2017			2018		
	PMC 2017 Budget *to be spent*	PMC 2017 Budget *to be invoiced*	PMC 2017 HR	PMC 2018 Budget *to be spent*	PMC 2018 Budget *to be invoiced*	PMC 2018 HR
2.1 Administrative costs	*648.520 ú*	*648.520 ú*	*1,4*	*668.832 ú*	*668.832 ú*	*1,3*
2.2 Ag-specific costs	*757.000 ú*	*757.000 ú*	*1*	*1.470.000 ú*	*1.470.000 ú*	*0,8*
2.3 Au-specific costs	*32.200 ú*	*32.200 ú*	*0,1*	*162.200 ú*	*162.200 ú*	*0,1*
2.4 PM CN- -specific costs	*35.700 ú*	*35.700 ú*	*0,1*	*118.450 ú*	*118.450 ú*	*0,4*
2.5.A Platinum-specific costs	*118.025 ú*	*118.025 ú*	*0,6*	*153.875 ú*	*153.875 ú*	*0,5*
2.5.B Palladium-specific costs	*55.275 ú*	*55.275 ú*	*0,1*	*132.150 ú*	*132.150 ú*	*0,5*
2.5.C Rhodium-specific costs	*149.925 ú*	*149.925 ú*	*0,7*	*129.525 ú*	*129.525 ú*	*0,5*
2.5.D Ruthenium-specific costs	*174.075 ú*	*174.075 ú*	*0,7*	*129.525 ú*	*129.525 ú*	*0,5*
2.5.E Iridium-specific costs	*5.000 ú*	*5.000 ú*	*0,1*	*5.000 ú*	*5.000 ú*	*0,1*
2.6 Re-specific costs	*11.400 ú*	*11.400 ú*	*0,02*	*11.400 ú*	*11.400 ú*	*0,02*
2.7 Refinables-specific costs	*441.050 ú*	*118.550 ú*	*0,2*	*353.550 ú*	*118.550 ú*	*0,3*
2.8 SVHC Roadmap-specific costs	*30.000 ú*	*30.000 ú*	*0,3*	*30.000 ú*	*30.000 ú*	*0,3*
	PMC 2017 Budget *to be spent*	PMC 2017 Budget *to be invoiced*	PMC 2017 HR	PMC 2018 Budget *to be spent*	PMC 2018 Budget *to be invoiced*	PMC 2018 HR
TOTAL	2.508.445 ú	2.185.945 ú	5,32	3.414.782 ú	3.179.782 ú	5,32

8. Workplan 2016-2020: outlook after 2018

- Maintenance of the Registration dossier
  - Legal obligation
  - Critical for substances at risk under Evaluation or Authorisation
- Data sharing
- Dossier Evaluation
  - Compliance check
  - Testing proposal submitted during the Registration
- Substance Evaluation
  - Ag
  - Others?

8. Workplan 2016-2020: outlook after 2018

- Harmonized classification
  - Ag compounds under biocides
  - Others? E.g.: chloroplatinates?
- Authorisation
  - For PMC substances, e.g.: chloroplatinates? chloropalladates?
  - For critical substances for the PM industry, e.g.: borates, Pb compounds, others?

In summary, registration is only the beginning of the story!

Precious Metals Consortium

9. AOB, next meeting and closing remarks

Guy Ethier
Umicore

Next PMC General Assemblies

- 1-2 June 2016: Wroclaw, Poland
  - Invitation will be sent out beginning of March 2016

- 6-7 December 2016: Brussels, Belgium
- 31 May ï 1 June 2017: Pforzheim, Germany

Precious Metals Consortium

THANK YOU

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