



Precious Metals
Consortium



Precious Metals & Rhenium Consortium

General Assembly Meeting

6-7 December 2016 | 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 or the effect of preventing, restricting and/or distorting competition are prohibited within the scope of this Agreement, including: <ul style="list-style-type: none"> - 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 : <ul style="list-style-type: none"> - 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

Quorum is reached: 62 %

1.3 Approval of the agenda 06/12/2016

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 (1-2 June 2016, Wroclaw) including status of action items

2. Update on PMC Projects

3. Update on IPA STF (International Platinum Group Association Science Task Force)

4. Closing remarks

1.4 Approval of the minutes of the last meeting (1-2/06/2016) including status of action items

Actions	Who	When	Status
Contact EM to discuss political actions on Data Sharing guidance	FC and Umicore	ASAP	DONE
Circulate to the Assembly the non-confidential report of the impact assessment of Authorisation on recycling and the prevention and mitigation paper	MG	ASAP	DONE
Communication to EBRC the confirmation by the Assembly that all confidential data can be sent to PMC Secretariat	FC	ASAP	DONE
Send to FC legal recommendation on TCA issue	Metalor	ASAP	DONE
Update forecast table according to Assembly recommendations	AR	Summer	DONE
Create ad-hoc WG to discuss gathering of data related to volume per uses and social data	FC	Summer	DONE
Circulate to Assembly a 2nd draft of 2017 budget addressing identified uncertainties	FC	September 2016	DONE



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2. Update on PMC Projects

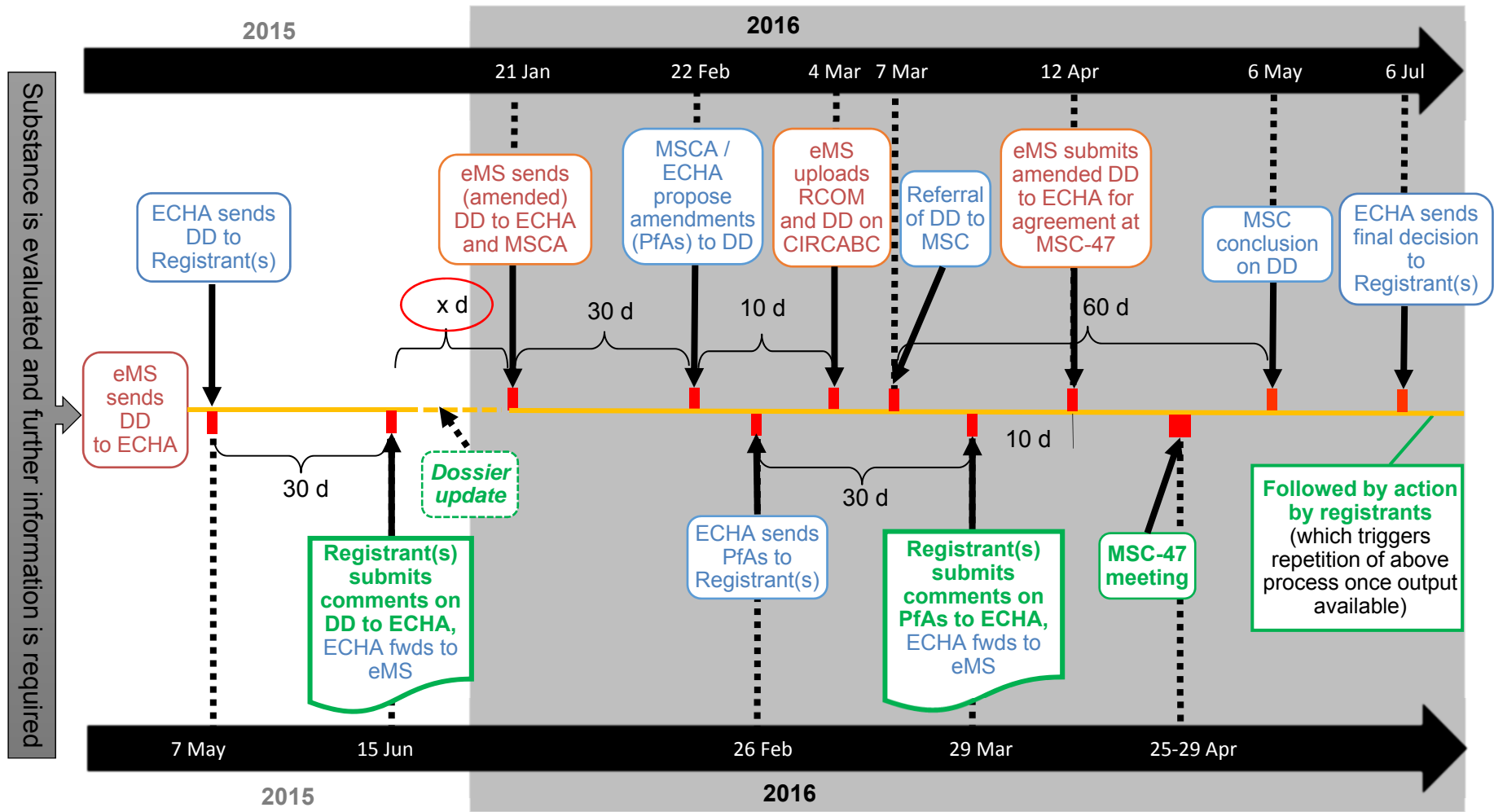


2.1 Ag Project: Main achievements in 2016

Ag Evaluation (1)

Katrien Arijns

DD = Draft Decision
PfAs = Proposal for Amendments



2.1 Ag Project: Main achievements in 2016

Ag Evaluation (2)

Katrien Arijs

- PMC submitted comments on the **PfAs** and participated to the **MSC meeting** → decision changed (proportionality)
- **Final decision:** further information required to clarify the initial concerns:
 1. Information on **ecotoxicity** only on the **smallest Ag nanoform** with highest specific surface area covered by Ag registration dossier
+ **phys-chem** characterisation of tested form
 2. Information on **fate** of nanoAg in soil pore water and the soil solid fraction **only** in case any of the ecotox tests show higher toxicity for nanoAg as compared to ionic silver
 3. Information on the **uses** for each individual nanoform registered
- **Timing** split: 12 months if soil fate testing not needed (13 Jul 2017) and 30 months if soil fate testing needed (14 Jan 2019)

2.1 Ag Project: Main achievements in 2016

Ag Evaluation (3)

Katrien Arijs

Aquatic and soil ecotoxicity testing

- Comparison of toxicity of smallest nanoAg form registered and ionic silver (as AgNO₃)
 - Direct comparison of EC_x values from (as far as possible) identical tests
 - If nanoAg displays 'greater toxicity' than ionic silver in any of the tests, then additional testing of fate of nanoAg in soil required
- Aquatic range-finder tests (algae + Daphnia) performed
 - suggest no greater toxicity of nanoAg
- Identification of methodological issues
 - Further testing performed
 - Discussions with eMS and ECHA
 - Number of proposals for definitive tests
- Timing:
 - Algae definitive tests in Dec 2016
 - Daphnia definitive tests in Jan / Feb 2017
 - Soil definitive tests in Jan / Feb 2017
 - Draft reports by Apr 2017



2.1 Ag Project: Main achievements in 2016

Ag Evaluation (4)

Katrien Arijs

Information on uses

- “more information on the **uses of each individual (nano)form of silver** that allows a clear distinction between uses that fall within the scope of REACH and other uses, e.g. those that fall within the scope of the BPR. For uses that fall within the scope of REACH, a selection of relevant exposure scenarios and relevant (surface modified) nanoforms of silver can be made. To ensure safe use of nanoforms of silver, it may be necessary to provide specific exposure estimations in a follow up of the present decision.”
- Only 2 forms of nanoAg currently registered under REACH: reported as being exclusively used in the electronics sector
- Nanosilver evaluation work, an “opportunity” to also refine silver and silver compounds uses - DHI & ARCHE
 - 1) Critically review the existing REACH ES for silver and silver compounds;
 - 2) Update the list of uses of silver and silver compounds;
 - 3) Update existing ES / IUCLID 6 files for silver and silver compounds based on the outcome of the use collection.

Given limited time available under SEv to provide required info on uses of nanoAg (13 Jul 2017) → focus first on nanoAg, then on Ag metal and finally on Ag compounds



2.1 Ag Project: Main challenges for 2017

Ag Evaluation

Katrien Arijs

Phys-chem characterisation

- Generate requested phys-chem information for 2 Ag nanoforms registered under REACH
 - Granulometry, specific surface area, surface treating agents, density, point of zero charge
 - T/D testing only on smallest Ag nanoform

Ecotoxicity testing

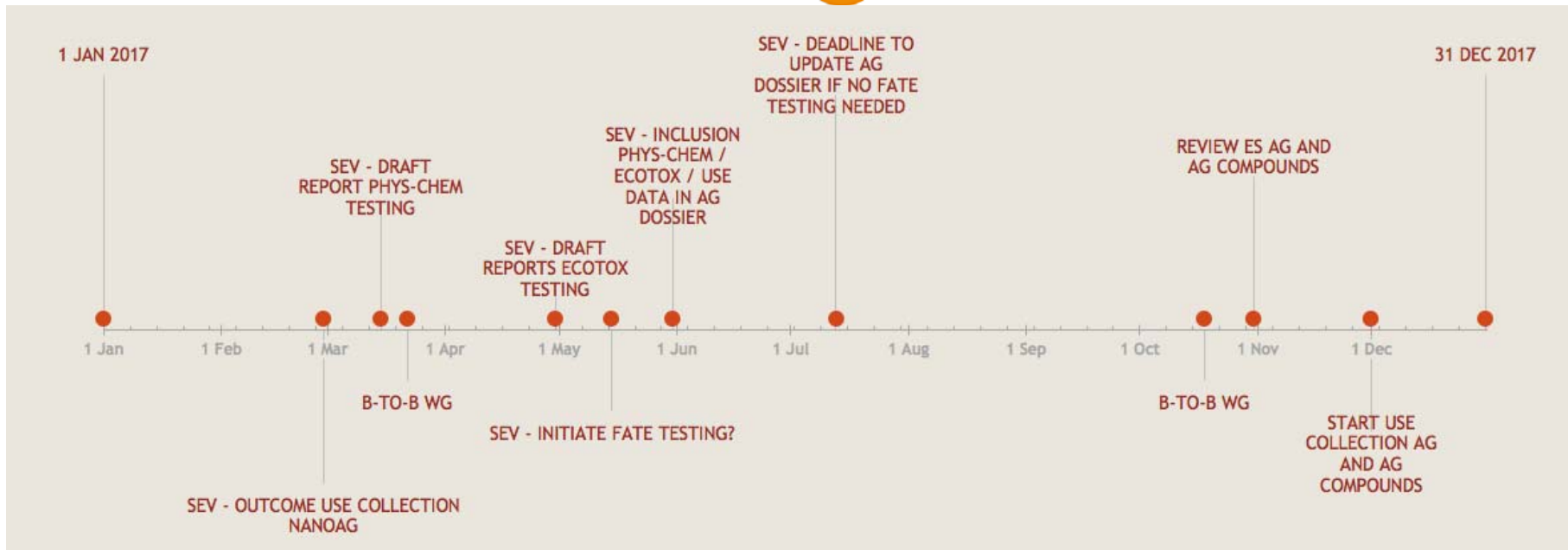
- Definitive testing on smallest Ag nanoform
 - Algae
 - Daphnia
 - Soil microorganisms
 - Analysis of results: greater toxicity of nanoform?
- Dossier update by 13 Jul 2017 or initiate additional testing of fate of nanoAg in soil

Information on uses

- Collect updated information uses 2 Ag nanoforms registered under REACH
- Update existing ES / IUCLID 6 file for Ag

2.1 Ag Project: SEv timeline

Katrien Arijs

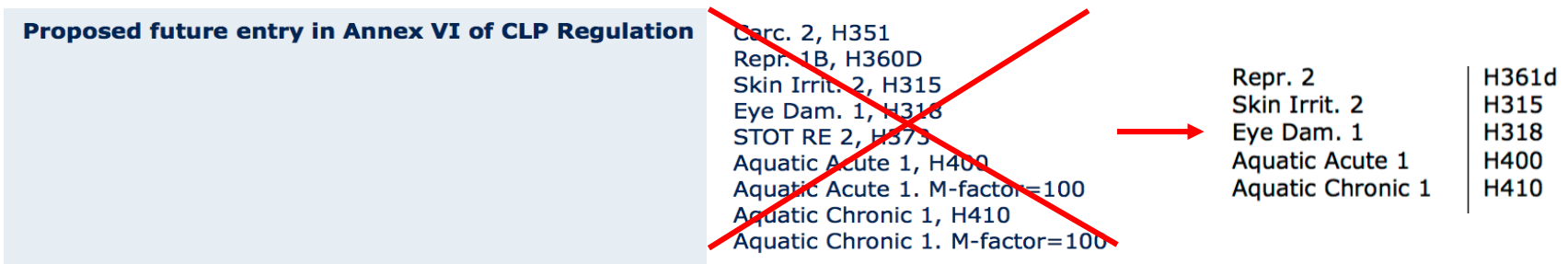


2.1 Ag Project: Main achievements in 2016

CLH proposals silver active substances (SCAS)

Katrien Arijs

Silver Zinc Zeolite classification



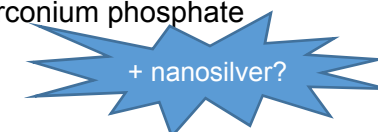
- **Carc.:** no classification
- **Repr.:** Cat.2
 - ✓ Reprotox data gap for Ag → PMC submitted EOGRTS TP
- **STOT RE:** no classification
- **Remaining HH endpoints:** no changes to proposed classification
- **Environment:** Acute 1 / Chronic 1 – M-factor 100
 - ✓ No changes to proposed classification but classification could be changed if new information becomes available (e.g. T/D data; data regarding removal from the water column)

2.1 Ag Project: Main challenges for 2017

CLH proposals silver active substances (SCAS)

Katrien Arijns

	Ag REACH	Ag BPR
Scope	PMC Ag project includes 8 subst./Dossiers: <ol style="list-style-type: none"> 1. Silver 2. Disilver oxide 3. Silver nitrate 4. Disilver sulphate 5. Disilver carbonate 6. Silver chloride 7. Silver bromide 8. Silver iodide 	ESTF single core active subst. dossier supporting 9 subst.: <ol style="list-style-type: none"> 1. Silver zinc zeolite 2. Silver zeolite 3. Silver copper zeolite 4. Silver sodium hydrogen zirconium phosphate 5. Silver 6. Silver nitrate 7. Silver phosphate glass 8. Silver chloride (reaction mass with TiO₂) 9. Silver (reaction mass with SiO₂)
Review by	RIVM, Dutch CA	KEMI, Swedish CA
CLH	Not a requirement	Requirement



- Timing further CLH proposals unsure...
- Important to monitor CLH proposals silver and silver nitrate

2.1 Ag Project: Finance by 31/10/2016

Katrien Arijs

	Budget to be invoiced	Real
2.2 Ag-specific costs	689.902 €	126.499 €
2.2.1 Ag REACH registration	0 €	
2.2.2 Ag REACH dossier maintenance	52.250 €	27.064 €
2.2.2.1 Phase 1: Literature search, data gap analysis and recommendations	47.250 €	25.712 €
2.2.2.2 Phase 2: In-depth data gap analysis and integrated testing strategy	0 €	
2.2.2.3 Phase 3: Experimental studies (testing programme including cost of samples)	0 €	249 €
2.2.2.4 Phase 4: Generation of Chemical Safety Report	0 €	
2.2.2.5a Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers	0 €	
2.2.2.5b Phase 5b: IUCLID 5 Hosting System	5.000 €	1.104 €
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 €	39.403 €
2.2.3.1 Dossier evaluation	4.500 €	388 €
2.2.3.2 Substance evaluation	486.750 €	39.016 €
2.2.4 Ag REACH classification & labelling	50.000 €	
2.2.5 Ag REACH authorisation (not relevant)	0 €	
2.2.6 Ag internal and external fixed Scientific Manager	87.750 €	60.031 €
2.2.7 Ag Building reserves	8.652 €	



2.1 Ag Project: 2017 Budget

Katrien Arijs

	PMC 2017	PMC 2017	PMC 2017
	Budget to be spent	Budget to be invoiced	HR
2.2 Ag-specific costs	897.550 €	862.550 €	1,027
2.2.1 Ag REACH registration	0 €	0 €	
2.2.2 Ag REACH dossier maintenance	111.000 €	111.000 €	
2.2.2.1 Phase 1: Literature search, data gap analysis and recommendations	60.000 €	60.000 €	
2.2.2.2 Phase 2: In-depth data gap analysis and integrated testing strategy	0 €	0 €	
2.2.2.3 Phase 3: Experimental studies (testing programme including cost of samples)	0 €	0 €	
2.2.2.4 Phase 4: Generation of Chemical Safety Report	50.000 €	50.000 €	
2.2.2.5a Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers	0 €	0 €	
2.2.2.5b Phase 5b: IUCLID 5 Hosting System	1.000 €	1.000 €	
2.2.3 Ag REACH evaluation	594.500 €	594.500 €	
2.2.3.1 Dossier evaluation	4.500 €	4.500 €	
2.2.3.2 Substance evaluation	590.000 €	590.000 €	
2.2.4 Ag REACH classification & labelling	50.000 €	15.000 €	
2.2.5 Ag REACH authorisation (not relevant)	0 €	0 €	
2.2.6 Ag internal and external fixed Scientific Managers	142.050 €	142.050 €	
2.2.7 Ag Building reserves	0 €	0 €	

N.B.: 2017 budget based on worst case assumption (i.e. soil fate testing needed)

2.2 Refinables Project: Main achievements in 2016

Katrien Arijs

Substance identification (SID)

- **iUVCB SID discussions Eurométaux / ECHA:**
 - ECHA **open for cooperation** but still concerned about high variability sources, processes, compositions + speciation / mineralogical composition insufficiently reported
 - EM recommendation to consortia: improve / refine SID of their iUVCB dossiers following a transparent approach (**excel template - SIP**)
 - Wait to update dossiers until EM / ECHA have agreed on guidance and common principles
 - Try to reduce / define factors of variability
 - Splitting of existing dossiers upon better analysis of source, process and composition information cannot be excluded
 - Preliminary **examples** shared with ECHA (Cu, Ni and PM sector)
 - Further demonstration LE variability and how that fits into SIPs defined + possible site visit?
 - Risk of compliance checks for iUVCBs: maintain original commitment to 'work jointly' to find a (workable and acceptable) solution



2.2 Refinables Project: Main achievements in 2016

Katrien Arijs

Substance identification (SID)

- **Refined SID sheets** according to Eurométaux template drafted for all Refinables: clear overview of sameness criteria for those substance parameters with least variation

Substance identity parameters	Sameness criteria (try to be as specific, measurable, reproducible and accurate as possible)	Indication of variability: describe if FIXED or with very low variation
Process		
Sources (input materials)		
Elemental composition		
Speciation/mineralogical information/composition		
Physical characteristics (e.g. physical state and form, particle size distribution,...)		

2.2 Refinables Project: Main achievements in 2016

Katrien Arijs

1.1 - Gold doré

1.2 - Silver doré

2 - Matte, precious metal

3.1 - Slags, doré furnace

3.2 - Slags, production of precious metals containing materials other than doré

4.1 - Slimes, silver electrolysis

4.2 - Slimes, gold electrolysis

4.3 - Residues from precious metal leaching and dissolution

4.4 - Precipitates from precious metal refining

5.1 - Residues, copper-iron-lead-nickel matte, sulfuric acid-insol.

6.1 - Silver electrolyte

6.2 - Gold electrolyte

Not reported by any registrants

7 - Flue dust, precious metal refining

8 - Residues, precious metal refining cementation and reduction

9.1 - Materials for reclaim, precious metals with or without supports

9.2 - Materials for reclaim, precious metals in bricks, pots, crucibles and trays, etc.

9.3 - Materials for reclaim, precious metal production by-products

10.1 - Lead bullion, PGM rich

10.2 - Iron bullion, PGM rich

10.3 - Copper bullion, PGM rich



2.2 Refinables Project: Main challenges for 2017

Katrien Arijs

Dossier maintenance

- **Substance identification (SID):**
 - Finalisation SID review
 - Input to discussions Eurométaux / ECHA
 - Speciation testing **if needed**
- **Effects assessment and classification:**
 - Classification review following SID review
 - T/D testing & phys-chem testing for splitted dossiers
 - Validation testing **if needed**
- **Exposure and risk assessment:** MvE assessment, combined toxicity, update exposure & risk assessment
- **Compilation of IUCLID 6 files & Registration Dossiers**

2.2 Refinables Project: Finance by 31/10/2016

Katrien Arijs

	Budget to be invoiced	Real
2.7 Refinables-specific costs	277.550 €	19.073 €
2.7.1 Refinables REACH registration	0 €	
2.7.2 Refinables REACH dossier maintenance	212.000 €	4.102 €
2.7.2.1 Phase 1: Scoping	5.000 €	
2.7.2.2 Phase 2: Substance identification	89.000 €	
2.7.2.3 Phase 3: Effects assessment and classification	13.000 €	
2.7.2.4 Phase 4: Exposure and risk assessment	70.000 €	
2.7.2.5a Phase 5a: Compilation of IUCLID 5 file & Registration Dossiers	30.000 €	
2.7.2.5b Phase 5b: IUCLID 5 Hosting System	5.000 €	1.102 €
2.7.2.6 Phase 6: Administration/others (secretariat work for project management, organisation & participation in meetings, communication)	0 €	3.000 €
2.7.3 Refinables REACH evaluation	0 €	
2.7.4 Refinables REACH classification & labelling	0 €	
2.7.5 Refinables REACH authorisation	0 €	
2.7.6 Refinables internal and external fixed Scientific Manager	65.550 €	14.971 €
2.7.7 Refinables Building reserves		



2.2 Refinables Project: 2017 Budget

Katrien Arijs

	PMC 2017	PMC 2017	PMC 2017
	Budget to be spent	Budget to be invoiced	HR
2.7 Refinables-specific costs	772.700 €	75.200 €	0,3
2.7.1 Refinables REACH registration	0 €	0 €	
2.7.2 Refinables REACH dossier maintenance	701.500 €	4.000 €	
2.7.2.1 Phase 1: Scoping	5.000 €	0 €	
2.7.2.2 Phase 2: Substance identification	87.500 €	0 €	
2.7.2.3 Phase 3: Effects assessment and classification	348.000 €	3.000 €	
2.7.2.4 Phase 4: Exposure and risk assessment	140.000 €	0 €	
2.7.2.5a Phase 5a: Compilation of IUCLID 5 file & Registration Dossiers	120.000 €	0 €	
2.7.2.5b Phase 5b: IUCLID 5 Hosting System	1.000 €	1.000 €	
2.7.2.6 Ref Rolling maintenance (as from 2018)			
2.7.2.7 Ref Further improvement (as from 2018)			
2.7.2.8 Ref Testing proposal (as from 2018)			
2.7.3 Refinables REACH evaluation	0 €	0 €	
2.7.4 Refinables REACH classification & labelling	0 €	0 €	
2.7.5 Refinables REACH authorisation	0 €	0 €	
2.7.6 Refinables internal and external fixed Scientific Manager	49.200 €	49.200 €	
2.7.7 Refinables Building reserves	22.000 €	22.000 €	



2.3 Au Project: Main achievements in 2016

Vincent Dunon

Dossier	CAS	Status
Gold	7440-57-5	Registered by LR in April 2016
Balsams, ...	68990-27-2	Registered by LR in April 2016
Aurio(1+)...	68365-87-7	Registered by LR in June 2016
Tetrachloroauric acid	16903-35-8	Reimbursement OECD 422 & OECD 474 with TCA, approved by Covance and received

2.3 Au Project: Main challenges for 2017

Vincent Dunon

- TCA:
 - Draft and review OECD422 data
 - Derive DNELs → Main bottleneck
 - Draft exposure scenarios → **Main bottleneck**
 - Have dossier ready for approval and registration

2.3 Au Project: Timeline

Vincent Dunon

Registration timeline TCA



2.3 Au Project: Finance by 31/10/2016

Vincent Dunon

	Budget to be invoiced	Real
2.3 Au-specific costs	79.550 €	88.971 €
2.3.1 Au REACH registration	57.350 €	65.441 €
2.3.1.1 Phase 1: Literature search, data gap analysis and recommendations	0 €	110 €
2.3.1.2 Phase 2: In-depth data gap analysis and integrated testing strategy	1.000 €	19.505 €
2.3.1.3 Phase 3: Experimental studies (testing programme including cost of samples)	29.550 €	33.673 €
2.3.1.4 Phase 4: Generation of Chemical Safety Reports	21.150 €	7.463 €
2.3.1.5a Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers	650 €	3.584 €
2.3.1.5b Phase 5b: IUCLID 5 Hosting System	5.000 €	1.105 €
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 €	
2.3.3 Au REACH evaluation	0 €	
2.3.4 Au REACH classification & labelling (not relevant)	0 €	
2.3.5 Au REACH authorisation (not relevant)	0 €	
2.3.6 Au internal and external fixed Scientific Manager	22.200 €	23.531 €
2.3.7 Au Building reserves	0 €	

TCA reimbursement of Covance test in Gold project (167 354 euros) not included

2.3 Au Project: 2017 Budget

Vincent Dunon

	PMC 2017 Budget to be spent	PMC 2017 Budget to be invoiced	PMC 2017 HR
2.3 Au-specific costs	355.200 €	201.200 €	0,1
2.3.1 Au REACH registration	275.000 €	121.000 €	
2.3.1.1 Phase 1: Literature search, data gap analysis and recommendations	0 €	0 €	
2.3.1.2 Phase 2: In-depth data gap analysis and integrated testing strategy	0 €	0 €	
2.3.1.3 Phase 3: Experimental studies (testing programme including cost of samples)	210.000 €	56.000 €	
2.3.1.4 Phase 4: Generation of Chemical Safety Reports	59.000 €	59.000 €	
2.3.1.5a Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers	5.000 €	5.000 €	
2.3.1.5b Phase 5b: IUCLID 5 Hosting System	1.000 €	1.000 €	
2.3.2 Au REACH dossier maintenance	5.000 €	5.000 €	
2.3.2.1 Phase 1: Literature search, data gap analysis and recommendations	0 €	0 €	
2.3.2.2 Phase 2: In-depth data gap analysis and integrated testing strategy	0 €	0 €	
2.3.2.3 Phase 3: Experimental studies (testing programme including cost of samples)	0 €	0 €	
2.3.2.4 Phase 4: Generation of Chemical Safety Report	5.000 €	5.000 €	
2.3.2.5a Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers	0 €	0 €	
2.3.2.5b Phase 5b: IUCLID 5 Hosting System	0 €	0 €	
2.3.3 Au REACH evaluation	0 €	0 €	
2.3.4 Au REACH classification & labelling (not relevant)	0 €	0 €	
2.3.5 Au REACH authorisation (not relevant)	0 €	0 €	
2.3.6 Au internal and external fixed Scientific Manager	14.200 €	14.200 €	
2.3.7 Au Building reserves	61.000 €	61.000 €	



2.4 PM CN Project: Main achievements in 2016

Vincent Dunon

Dossier	CAS nr	Status
AgCN	506-64-9	Submitted by LR in November 2016
KAu(CN) ₂	13967-50-5	Registered by LR in October 2016
KAg(CN) ₂	506-61-6	Draft report OECD 422 under review

2.4 PM CN Project: Main challenges for 2017

Vincent Dunon

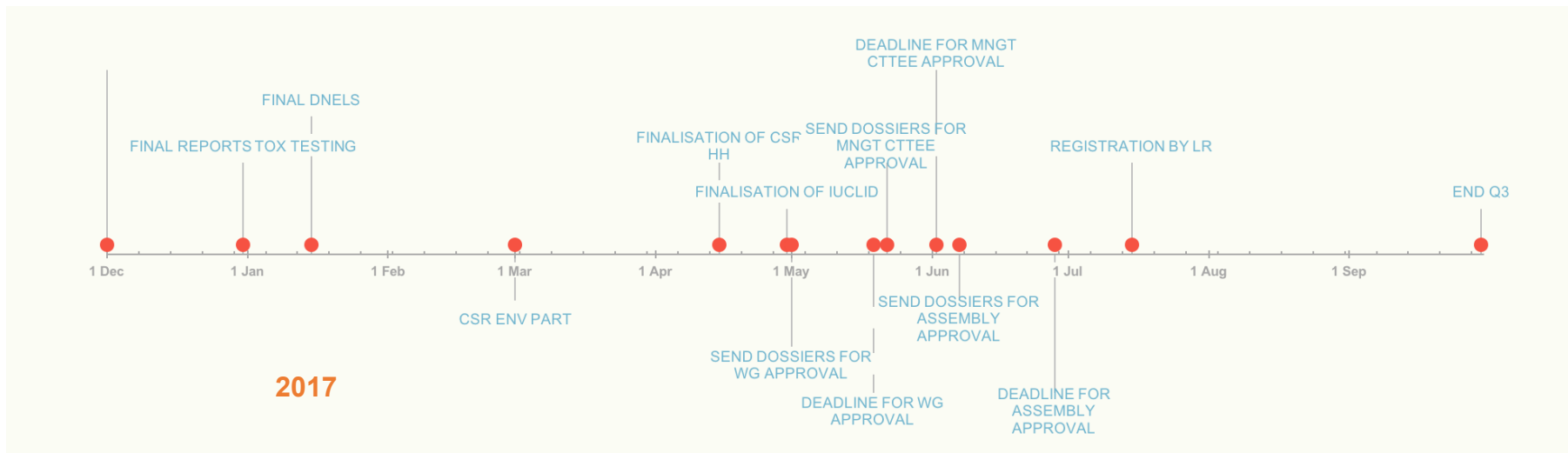
- KAg(CN)₂:
 - Drafting the exposure scenarios → **Main bottleneck**
 - Have dossier ready for approval and registration



2.4 PM CN Project: Timeline

Vincent Dunon

Registration timeline KAg(CN)₂



2.4 PM CN Project: Finance

Vincent Dunon

	Budget to be invoiced	Real
2.4 PM CN -specific costs	288.200 €	220.937 €
2.4.1 PM CN- REACH registration	266.000 €	204.250 €
2.4.1.1 Phase 1: Literature search, data gap analysis and recommendations	0 €	
2.4.1.2 Phase 2: In-depth data gap analysis and integrated testing strategy	1.000 €	
2.4.1.3 Phase 3: Experimental studies (testing programme including cost of samples)	232.500 €	141.574 €
2.4.1.4 Phase 4: Generation of Chemical Safety Reports	27.150 €	52.381 €
2.4.1.5a Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers	350 €	9.191 €
2.4.1.5b Phase 5b: IUCLID 5 Hosting System	5.000 €	1.104 €
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 €	
2.4.3 PM CN- REACH evaluation	0 €	
2.4.4 PM CN- REACH classification & labelling (Possible impact of Ag evaluation)	0 €	
2.4.5 PM CN- REACH authorisation (not relevant)	0 €	
2.4.6 PM CN internal and external fixed Scientific Manager	22.200 €	16.688 €
2.4.7 PM CN Building reserves	0 €	



2.4 PM CN Project: 2017 Budget

Vincent Dunon

	PMC 2017	PMC 2017	PMC 2017
	Budget to be spent	Budget to be invoiced	HR
2.4 PM CN- -specific costs	72.700 €	64.200 €	0,1
2.4.1 PM CN- REACH registration	16.500 €	8.000 €	
2.4.1.1 Phase 1: Literature search, data gap analysis and recommendations	0 €	0 €	
2.4.1.2 Phase 2: In-depth data gap analysis and integrated testing strategy	0 €	0 €	
2.4.1.3 Phase 3: Experimental studies (testing programme including cost of samples)	0 €	0 €	
2.4.1.4 Phase 4: Generation of Chemical Safety Reports	13.000 €	7.000 €	
2.4.1.5a Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers	2.500 €	0 €	
2.4.1.5b Phase 5b: IUCLID 5 Hosting System	1.000 €	1.000 €	
2.4.2 PM CN- REACH dossier maintenance	5.000 €	5.000 €	
2.4.2.1 Phase 1: Literature search, data gap analysis and recommendations	0 €	0 €	
2.4.2.2 Phase 2: In-depth data gap analysis and integrated testing strategy	0 €	0 €	
2.4.2.3 Phase 3: Experimental studies (testing programme including cost of samples)	0 €	0 €	
2.4.2.4 Phase 4: Generation of Chemical Safety Report	0 €	0 €	
2.4.2.5a Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers	5.000 €	5.000 €	
2.4.2.5b Phase 5b: IUCLID 5 Hosting System	0 €	0 €	
2.4.3 PM CN- REACH evaluation	2.000 €	2.000 €	
2.4.3.1 Dossier evaluation	2.000 €	2.000 €	
2.4.3.2 Substance evaluation	0 €	0 €	
2.4.4 PM CN- REACH classification & labelling (Possible impact of Ag evaluation)	0 €	0 €	
2.4.5 PM CN- REACH authorisation (not relevant)	0 €	0 €	
2.4.6 PM CN internal and external fixed Scientific Manager	14.200 €	14.200 €	
2.4.7 PM CN Building reserves	35.000 €	35.000 €	



2.5 Ir Project: Main achievements in 2016

Jelle Mertens

- All Ir substances in PMC scope registered by Lead Registrant

Name of the substance	Identification numbers		LR	Registered by LR
	CAS	EC		
Iridium	7439-88-5	231-095-9	Johnson Matthey	May 2016
Hexachloroiridic acid, Hydrogen hexachloroiridate (IV)	16941-92-7	241-012-8	Heraeus Deutschland GmbH and Co. KG	June 2016
Diammonium hexachloroiridate	16940-92-4	241-007-0	Johnson Matthey	May 2016

2.5 Ir Project: Main challenges for 2017

Jelle Mertens

- Co-registrants invited to register well ahead of ECHA deadline (May 2018)
- Requests coming from LoA buyers (e.g.: composition, uses, etc.)

2.5 Ir Project: Finance by 31/10/2016

Jelle Mertens

	PMC 2016	
	Budget to be invoiced	Real
2.5.E Iridium-specific costs	1.000 €	13.254 €
2.5.E.1 Ir REACH registration	0 €	0 €
2.5.E.2 Ir REACH dossier maintenance	1.000 €	10.024 €
2.5.E.2.1 Phase 1: Literature search, data gap analysis and recommendations	0 €	
2.5.E.2.2 Phase 2: In-depth data gap analysis and integrated testing strategy	0 €	
2.5.E.2.3 Phase 3: Experimental studies (testing programme including cost of samples)	0 €	249 €
2.5.E.2.4 Phase 4: Generation of Chemical Safety Report	0 €	6.778 €
2.5.E.2.5a Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers	0 €	745 €
2.5.E.2.5b Phase 5b: IUCLID 5 Hosting System	1.000 €	2.252 €
2.5.E.3 Ir REACH evaluation	0 €	0 €
2.5.E.4 Ir REACH classification & labelling	0 €	
2.5.E.5 Ir REACH authorisation	0 €	
2.5.E.6 Ir internal and external fixed Scientific Manager	0 €	3.230 €
2.5.E.7 Ir Building reserves		



2.5 Ir Project: 2017 Budget

Jelle Mertens

	PMC 2017	PMC 2017	PMC 2017
	Budget to be spent	Budget to be invoiced	HR
2.5.E Iridium-specific costs	13.850 €	13.850 €	0,1
2.5.E.1 Ir REACH registration	0 €	0 €	
2.5.E.2 Ir REACH dossier maintenance	2.000 €	2.000 €	
2.5.E.2.1 Phase 1: Literature search, data gap analysis and recommendations	0 €	0 €	
2.5.E.2.2 Phase 2: In-depth data gap analysis and integrated testing strategy	0 €	0 €	
2.5.E.2.3 Phase 3: Experimental studies (testing programme including cost of samples)	0 €	0 €	
2.5.E.2.4 Phase 4: Generation of Chemical Safety Report	0 €	0 €	
2.5.E.2.5a Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers	1.000 €	1.000 €	
2.5.E.2.5b Phase 5b: IUCLID 5 Hosting System	1.000 €	1.000 €	
2.5.E.3 Ir REACH evaluation	0 €	0 €	
2.5.E.4 Ir REACH classification & labelling	0 €	0 €	
2.5.E.5 Ir REACH authorisation	0 €	0 €	
2.5.E.6 Ir internal and external fixed Scientific Managers	11.850 €	11.850 €	
2.5.E.7 Ir Building reserves	0 €	0 €	

2.6 Pd Project: Main achievements in 2016

Maxime Eliat-Eliat

- Annex III exempted dossiers
 - 1 registered by LR
 - 2 waiting registration
- 12 dossiers finalised and approved - send to LR for registration
- 4 dossiers finalised - in approval phase

Name of the substance	Identification numbers		LR	Registered by LR
	CAS	EC		
Palladium	7440-05-3	231-115-6	Umicore NV/SA	Approved
Palladium dichloride	7647-10-1	231-596-2	BASF	Approved
Dihydrogen tetrachloropalladate(2-) (in solution)	16970-55-1	241-047-9	Heraeus	Approved
Diamminedichloropalladium	14323-43-4	238-269-3	Heraeus	Approved
Dichlorobis(triphenylphosphine)palladium	13965-03-2	237-744-2	Heraeus	Approved
Palladium (II) di(4-oxopent-2-en-2-oate)	14024-61-4	237-859-8	Heraeus	Approved
Palladium(II) acetate	3375-31-3	222-164-4	Heraeus	October 2016 (<i>AnnexIII exempted</i>)
Palladium monoxide	1314-08-5	215-218-3	Heraeus	Approved
Tetraamminepalladium (II) nitrate	13601-08-6	237-078-2	Johnson Matthey	Ongoing (<i>AnnexIII exempted</i>)
Tetraamminepalladium(2+) dichloride	13815-17-3	237-489-7	Umicore AG&Co.KG	Approved
Tetraamminepalladium(2+) dihydroxide	68413-68-3	270-241-6	Heraeus	Approved
Tetrakis(triphenylphosphine)palladium	14221-01-3	238-086-9	Umicore AG&Co.KG	Ongoing (<i>AnnexIII exempted</i>)
Palladium sulphate	13566-03-5	236-957-8	Heraeus	out for approval
Tetraamminepalladium(2+) diacetate	61495-96-3	262-819-1	Umicore AG&Co.KG	out for approval
Disodium tetrachloropalladate	13820-53-6	237-502-6	BASF	Approved
Palladium dinitrate	10102-05-3	233-265-8	Heraeus	out for approval
Palladium dihydroxide	12135-22-7	235-219-2	Umicore AG&Co.KG	out for approval
Diammonium hexachloropalladate	19168-23-1	242-854-9	Johnson Matthey	Approved
Dipotassium hexachloropalladate	16919-73-6	240-974-6	C. Hafner	Approved

2.6 Pd Project: Main achievements in 2016

Maxime Eliat-Eliat

- 3 Annex III dossiers finalised and sent to LR, 12 dossiers approved, and 4 remaining dossiers under review before approval
- Revision and agreement SID cards
- Delay 12 dossier related to read-across reports:
 - Read-Across Assessment Framework (RAAF)
 - published in 2015, currently only for human health
 - requires justification for read-across (via report)
 - Pd & Pd cmpds first PMC case

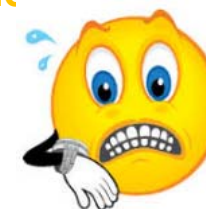


BtB meeting Oct 2016:

- agreement on format, but
- comments on Pd read-across
- revision Pd read-across approach & approval by PMC members expected end Nov

→ **dossiers NOT ready for registration by LR since 5 approvals from the Pd Sub-Assembly are missing: FOR APPROVAL NOW**

→ **no effects on registration of other dossiers**



2.6 Pd Project: Main achievements in 2016

Maxime Eliat-Eliat

- Delay 4 dossiers related to missing information:
 - 3 dossiers:
 - remaining data gaps for phys-chem endpoints
 - testing finalised mid Nov
 - 1 dossier:
 - dossier in approval process Mgt Cttee, but LR noticed information was missing
 - dossier revised by LR & PMC
- **send out for approval by members** (expected to be ready for registration by February 2016)

2.6 Pd Project: Main achievements in 2016

Maxime Eliat-Eliat

- Learning lessons from Pd registration:
 - **Ahead of formal approval process:**
 - technical discussions
 - agree on approach / way-forward (eg C&L, DNELs, PNECs)
 - review documents
 - verify company coverage

examples: read-across, C&L, DNELs, PNECs, uses, exposure scenarios
 - **During approval process:**
 - confirm agreement and coverage with dossier
 - correct 'minor' issues, not triggering major changes of content
 - approve actively, and respect timing
 - **During registration phase:**
 - Act 'on time' as lead registrant:
 - avoid need to update dossier (cfr release IUCLID6)
 - don't hold co-registrants



2.6 Pd Project: Main challenges for 2017

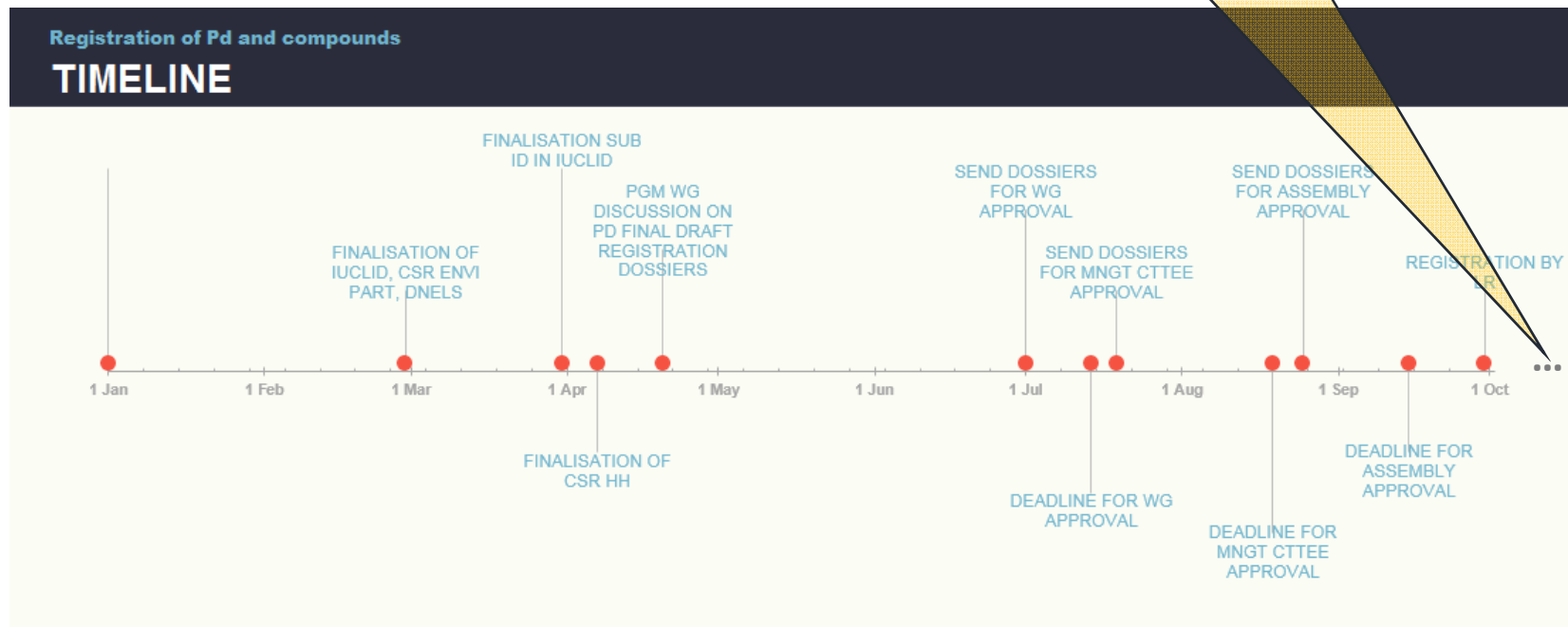
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- Finalize approval process of 4 remaining dossiers for registration by lead-registrant
- Invite Co-registrants to register well ahead of ECHA deadline (May 2018)
- Requests coming from LoA buyers (e.g.: composition, uses, etc.)

2.6 Pd Project: Timeline

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+/- 2 months later than anticipated, no effect on timing other PGMs



2.6 Pd Project: Finance by 31/10/2016

Maxime Eliat-Eliat

	Budget to be invoiced	Real
2.5.B Palladium-specific costs	622.173 €	310.848 €
2.5.B.1 Pd REACH registration	498.625 €	263.539 €
2.5.B.1.1 Phase 1: Literature search, data gap analysis and recommendations	5.500 €	
2.5.B.1.2 Phase 2: In-depth data gap analysis and integrated testing strategy	5.500 €	2.373 €
2.5.B.1.3 Phase 3: Experimental studies (testing programme including cost of samples)	148.000 €	19.531 €
2.5.B.1.4 Phase 4: Generation of Chemical Safety Reports	286.125 €	212.104 €
2.5.B.1.5a Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers	52.500 €	29.311 €
2.5.B.1.5b Phase 5b: IUCLID 5 Hosting System	1.000 €	220 €
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 €	
2.5.B.3 Pd REACH evaluation	0 €	
2.5.B.4 Pd REACH classification & labelling	0 €	
2.5.B.5 Pd REACH authorisation	0 €	
2.5.B.6 Pd internal and external fixed Scientific Manager	50.275 €	47.308 €
2.5.B.7 Pd Building reserves	73.273 €	

2.6 Pd Project: 2017 Budget

Maxime Eliat-Eliat

	PMC 2017 Budget to be spent	PMC 2017 Budget to be invoiced	PMC 2017 HR
2.5.B Palladium-specific costs	25.200 €	25.200 €	0,1
2.5.B.1 Pd REACH registration	10.000 €	10.000 €	
2.5.B.1.1 Phase 1: Literature search, data gap analysis and recommendations			
2.5.B.1.2 Phase 2: In-depth data gap analysis and integrated testing strategy	0 €	0 €	
2.5.B.1.3 Phase 3: Experimental studies (testing programme including cost of samples)			
2.5.B.1.4 Phase 4: Generation of Chemical Safety Reports	5.000 €	5.000 €	
2.5.B.1.5a Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers	5.000 €	5.000 €	
2.5.B.1.5b Phase 5b: IUCLID 5 Hosting System	0 €	0 €	
2.5.B.2 Pd REACH dossier maintenance	1.000 €	1.000 €	
2.5.B.2.1 Phase 1: Literature search, data gap analysis and recommendations	0 €	0 €	
2.5.B.2.2 Phase 2: In-depth data gap analysis and integrated testing strategy	0 €	0 €	
2.5.B.2.3 Phase 3: Experimental studies (testing programme including cost of samples)	0 €	0 €	
2.5.B.2.4 Phase 4: Generation of Chemical Safety Report	0 €	0 €	
2.5.B.2.5a Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers	0 €	0 €	
2.5.B.2.5b Phase 5b: IUCLID 5 Hosting System	1.000 €	1.000 €	
2.5.B.3 Pd REACH evaluation	0 €	0 €	
2.5.B.4 Pd REACH classification & labelling	0 €	0 €	
2.5.B.5 Pd REACH authorisation	0 €	0 €	
2.5.B.6 Pd internal and external fixed Scientific Managers	14.200 €	14.200 €	
2.5.B.7 Pd Building reserves	0 €	0 €	
2.5.B.8 Chloropalladates	0 €	0 €	



2.7 Pt Project: Main achievements in 2016

Maxime Eliat-Eliat

- Annex III exempted dossiers
 - 1 registered by LR
 - 1 waiting registration
- 8 dossiers finalised for approval early 2017 – PMC internal timing Q1 2017
- Karstedt concentrate:
 - Ecotox testing finalized and included into registration dossier
 - HH under finalization BUT pending decision on repro classification which could influence timing!
 - PMC internal timing Q1 2017 in agreement with Reconsile (1-10 tpa) internal registration deadline
- HHPA/2-AE: Ecotox testing and assessment finalized and HH testing ongoing as per PMC internal deadline end Dec 2017

Name of the substance	Identification numbers		LR	Registered by LR
	CAS	EC		
Platinum	7440-06-4	231-116-1	Vale	
Hexachloroplatinic acid	16941-12-1	241-010-7	Johnson Matthey	
Tetraammineplatinum dichloride	13933-32-9	237-706-5	Johnson Matthey	Ongoing (Annex III exempted)
Tetraammineplatinum dinitrate (in solution)	20634-12-2	243-929-9	Umicore AG&Co.KG	
Dipotassium tetrachloroplatinate	10025-99-7	233-050-9	Heraeus	
Platinum dioxide	1314-15-4	215-223-0	Umicore AG&Co.KG	Ongoing (Annex III exempted)
Dihydrogen hexahydroxyplatinate, compound with 2-aminoethanol (1:2) (in solution)	68133-90-4	268-717-3	BASF	
Dipotassium hexachloroplatinate	16921-30-5	240-979-3	Heraeus	
Platinum dinitrate	18496-40-7	242-383-9	Heraeus	
Platinum, 1,3-diethenyl-1,1,3,3-tetramethylsiloxane complexes / Karstedt concentrate (in solution)	68478-92-2	270-844-4	Heraeus	
Diammonium hexachloroplatinate	16919-58-7	240-973-0	Johnson Matthey	
Dihydrogen hexahydroxyplatinate	51850-20-5	257-471-2	Johnson Matthey	

2.7 Pt Project: Main achievements in 2016

Maxime Eliat-Eliat

- Dossier Tetraammine Pt dichloride
 - submitted for registration by LR
 - manual check of dossier by ECHA before acceptance
 - waiver oxidizing properties not accepted
 - PMC discussed way-forward with LR
 - PRO-ACTIVE review all non-standard waivers for PGM dossiers

Name of the substance	Identification numbers		LR	Registered by LR
	CAS	EC		
Platinum	7440-06-4	231-116-1	Vale	
Hexachloroplatinic acid	16941-12-1	241-010-7	Johnson Matthey	
Tetraammineplatinum dichloride	13933-32-9	237-706-5	Johnson Matthey	Ongoing (Annex III exempted)
Tetraammineplatinum dinitrate (in solution)	20634-12-2	243-929-9	Umicore AG&Co.KG	
Dipotassium tetrachloroplatinate	10025-99-7	233-050-9	Heraeus	
Platinum dioxide	1314-15-4	215-223-0	Umicore AG&Co.KG	Ongoing (Annex III exempted)
Dihydrogen hexahydroxyplatinate, compound with 2-aminoethanol (1:2) (in solution)	68133-90-4	268-717-3	BASF	
Dipotassium hexachloroplatinate	16921-30-5	240-979-3	Heraeus	
Platinum dinitrate	18496-40-7	242-383-9	Heraeus	
Platinum, 1,3-diethenyl-1,1,3,3-tetramethyldisiloxane complexes / Karstedt concentrate (in solution)	68478-92-2	270-844-4	Heraeus	
Diammonium hexachloroplatinate	16919-58-7	240-973-0	Johnson Matthey	
Dihydrogen hexahydroxyplatinate	51850-20-5	257-471-2	Johnson Matthey	

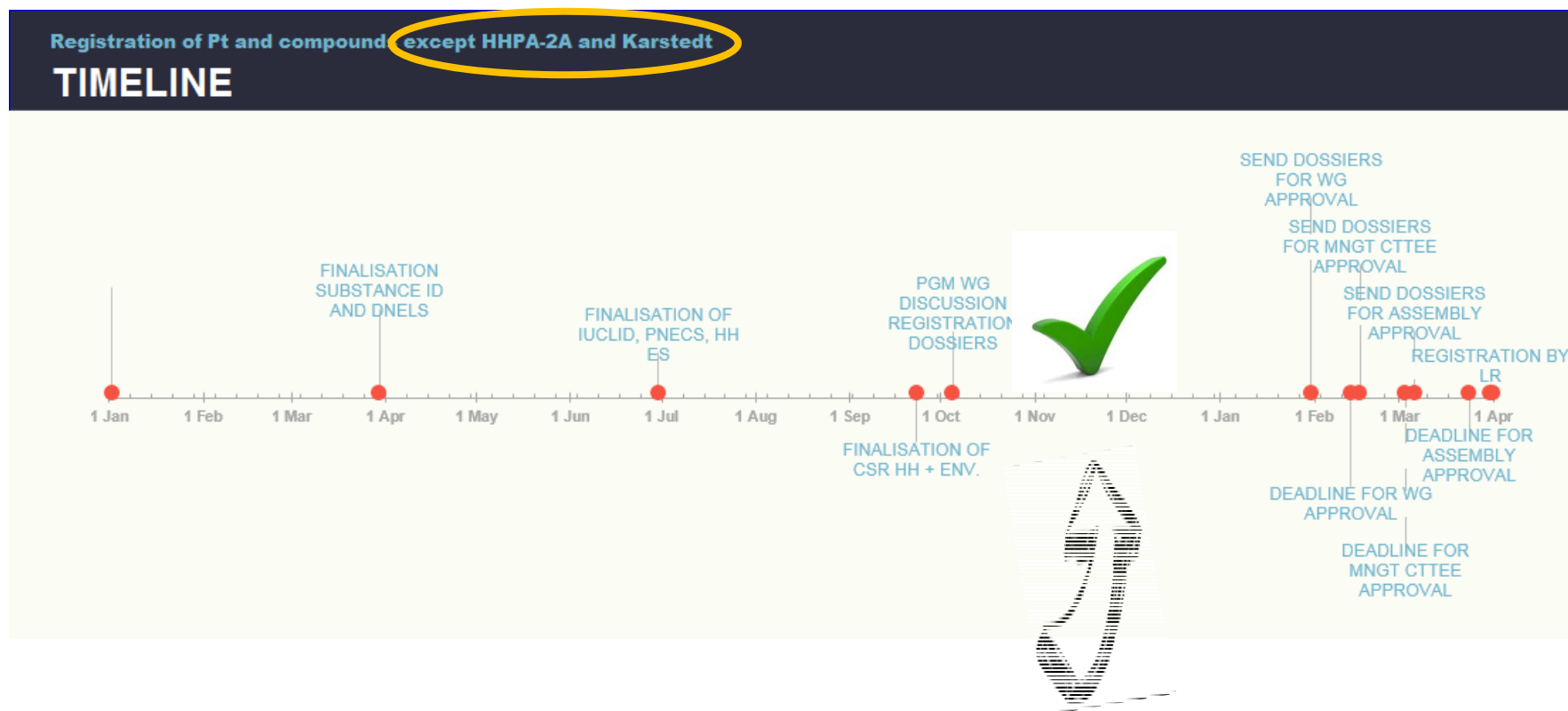
2.7 Pt Project: Main challenges for 2017

Maxime Eliat-Eliat

- Approval process and registration by LR of 8 dossiers
- Karstedt concentrate:
 - Review OECD422 data and agree on classification (or not)
 - If classified:
 - derive DNELs and
 - develop exposure scenarios (including consumer exposure!)
 - Comply with Reconsile contractual agreement: registration of at least 1-10tpa dossier by 31 March 2017
- HHPA/2-AE:
 - Review OECD422 data
 - Derive DNELs and develop exposure scenarios
 - Approval process and registration by LR
- Invite co-registrants to register well ahead of ECHA deadline (May 2018)
- Requests coming from LoA buyers (e.g.: composition, uses, etc.)
- Organise dermal monitoring campaign

2.7 Pt Project: Timeline

Maxime Eliat-Eliat



2.7 Pt Project: Timeline

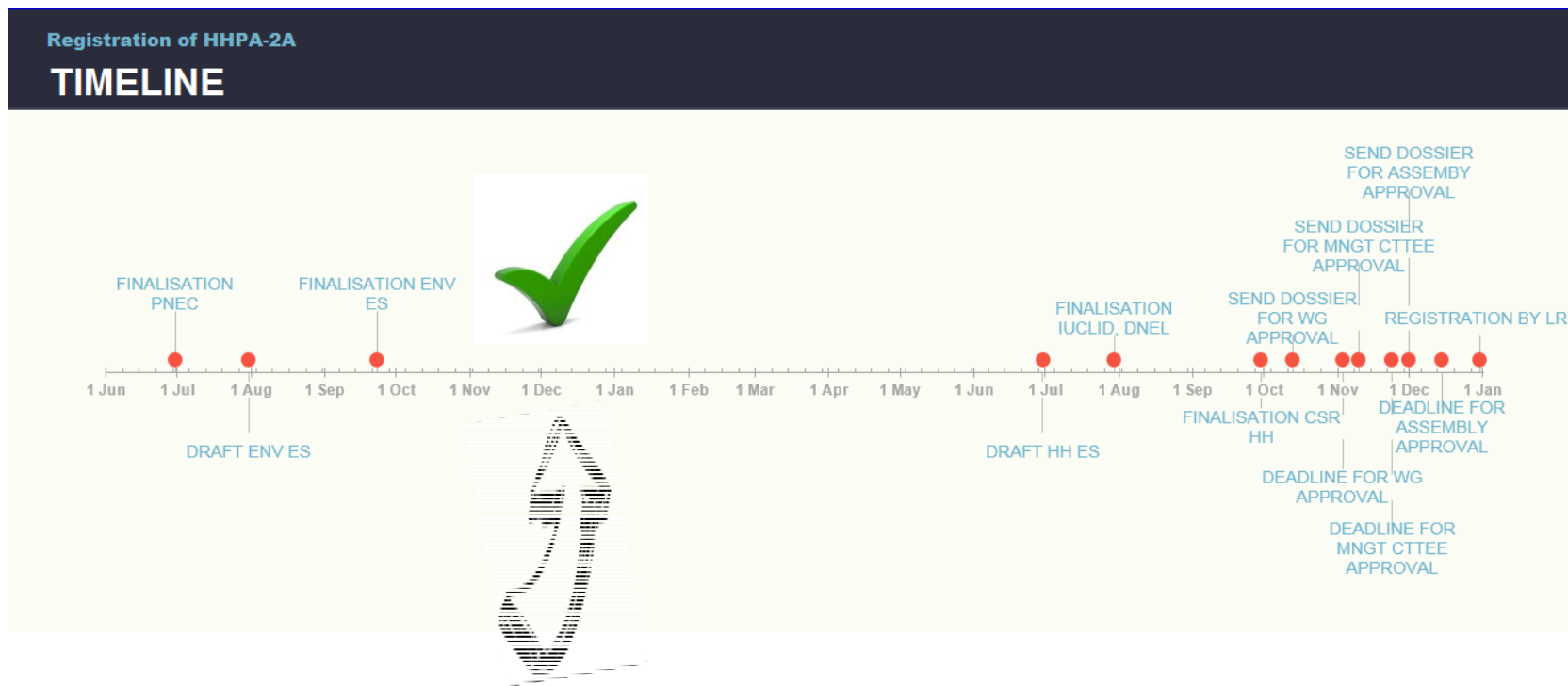
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To be confirmed or amended depending on classification



2.7 Pt Project: Timeline

Maxime Eliat-Eliat



2.7 Pt Project: Finance by 31/10/2016

Maxime Eliat-Eliat

	Budget to be invoiced	Real
2.5.A Platinum-specific costs	645.102 €	566.276 €
2.5.A.1 Pt REACH registration	466.775 €	509.403 €
2.5.A.1.1 Phase 1: Literature search, data gap analysis and recommendations	5.500 €	
2.5.A.1.2 Phase 2: In-depth data gap analysis and integrated testing strategy	5.500 €	1.510 €
2.5.A.1.3 Phase 3: Experimental studies (testing programme including cost of samples)	249.200 €	325.020 €
2.5.A.1.4 Phase 4: Generation of Chemical Safety Reports	173.025 €	159.661 €
2.5.A.1.5a Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers	32.550 €	21.701 €
2.5.A.1.5b Phase 5b: IUCLID 5 Hosting System	1.000 €	1.512 €
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 €	0 €
2.5.A.3 Pt REACH evaluation	0 €	0 €
2.5.A.4 Pt REACH classification & labelling	0 €	
2.5.A.5 Pt REACH authorisation	50.000 €	0 €
2.5.A.5.1. Chloroplatinates	50.000 €	0 €
2.5.A.6 Pt internal and external fixed Scientific Manager	50.275 €	56.873 €
2.5.A.7 Pt Building reserves	78.052 €	

N.B.: Real costs could be higher than budget due to carry over (cf. budget to be spent in approved Workplan)

2.7 Pt Project: 2017 Budget

Maxime Eliat-Eliat

	PMC 2017 Budget to be spent	PMC 2017 Budget to be invoiced	PMC 2017 HR
2.5.A Platinum-specific costs	763.900 €	738.400 €	0,3
2.5.A.1 Pt REACH registration	325.650 €	310.150 €	
2.5.A.1.1 Phase 1: Literature search, data gap analysis and recommendations	0 €	0 €	
2.5.A.1.2 Phase 2: In-depth data gap analysis and integrated testing strategy	31.000 €	31.000 €	
2.5.A.1.3 Phase 3: Experimental studies (testing programme including cost of samples)	160.500 €	145.000 €	
2.5.A.1.4 Phase 4: Generation of Chemical Safety Reports	133.150 €	133.150 €	
2.5.A.1.5a Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers	0 €	0 €	
2.5.A.1.5b Phase 5b: IUCLID 5 Hosting System	1.000 €	1.000 €	
2.5.A.2 Pt REACH dossier maintenance	0 €	0 €	
2.5.A.3 Pt REACH evaluation	10.000 €	10.000 €	
2.5.A.3.1 Dossier evaluation	10.000 €	10.000 €	
2.5.A.3.2 Substance evaluation	0 €	0 €	
2.5.A.4 Pt REACH classification & labelling	0 €	0 €	
2.5.A.5 Pt REACH authorisation	10.000 €	0 €	
2.5.A.5.1 Chloroplatinates	10.000 €	0 €	
2.5.A.6 Pt internal and external fixed Scientific Managers	40.250 €	40.250 €	
2.5.A.7 Pt Building reserves	378.000 €	378.000 €	

2.8 Rh Project: Main achievements in 2016

Jelle Mertens

- Annex III exempted dossiers
 - 2 registered by LR
 - 2 waiting registration
- 12 dossiers in preparation – PMC internal timing Q2 2017

Name of the substance	Identification numbers		LR	Registered by LR	
	CAS	EC			
Rhodium	7440-16-6	231-125-0	Johnson Matthey		
Carbonyl(pentane-2,4-dionato-O,O')(triphenylphosphine)rhodium	25470-96-6	247-015-0	Johnson Matthey	October 2016	<i>(AnnexIII exempted)</i>
Carbonylhydrotris(triphenylphosphine)rhodium	17185-29-4	241-230-3	Umicore AG&Co.KG	Ongoing	<i>(AnnexIII exempted)</i>
Dicarbonyl(pentane-2,4-dionato-O,O')rhodium	14874-82-9	238-947-9	Umicore AG&Co.KG		
Rhodium tris(2-ethylhexanoate) (in solution)	20845-92-5	244-079-1	Umicore AG&Co.KG		
Rhodium trichloride (hydrate)	10049-07-7	233-165-4	Heraeus		
Di-μ-chloro-bis(hapto-1,5-cyclooctadiene)dirhodium(I)	12092-47-6	235-157-6	Heraeus	September 2016	<i>(AnnexIII exempted)</i>
Tris(triphenylphosphine) rhodium (I) chloride	14694-95-2	238-744-5	Umicore AG&Co.KG	Ongoing	<i>(AnnexIII exempted)</i>
Rhodium triiodide	15492-38-3	239-521-5	Umicore AG&Co.KG		
Dirhodium trisulphate	10489-46-0	234-014-5	Umicore AG&Co.KG		
Dirhodium trioxide	12036-35-0	234-846-9	Umicore AG&Co.KG		
Rhodium (III) acetate	42204-14-8	255-707-9	Umicore AG&Co.KG		
Rhodium trinitrate	10139-58-9	233-397-6	Johnson Matthey		
Rhodium trihydroxide	21656-02-0	244-508-2	Heraeus		
Triammonium hexachlororhodate	15336-18-2	239-364-2	Vale		
Diammonium sodium hexakis(nitrito-N)rhodate	64164-17-6	264-713-0	Vale		

2.8 Rh Project: Main achievements in 2016

Jelle Mertens

- 12 dossiers in preparation
 - Remaining data gaps identified + testing organized (mainly phys-chem) - **ongoing**
 - Genetox Rh(III) compounds:
 - Classification water soluble Rh(III) compounds (plus Diammonium sodium hexakis(nitrito-N)rhodate) as Muta2
 - Agreement to perform Ames test on poorly water soluble Rh(III) compounds - **ongoing**
 - Review Rh(III) genetox by PMC Secretariat and members ongoing - **ongoing**
 - Uses revised by PMC secretariat, circulated to members for review
 - No PNECs, DNELs and exposure scenarios required

2.8 Rh Project: Main challenges for 2017

Jelle Mertens

- Revise and agree on SID cards
- Finalise phys-chem testing (two substances currently being isolated as solids)
- Finalise review genetox data, and agree on classification (and testing proposals?)
- Approval process and registration by LR
- Invite co-registrants to register well ahead of ECHA deadline (May 2018)
- Requests coming from LoA buyers (e.g.: composition, uses, etc.)

2.8 Rh Project: Timeline

Jelle Mertens



2.8 Rh Project: Finance by 31/10/2016

Jelle Mertens

	Budget to be invoiced	Real
2.5.C Rhodium-specific costs	171.217 €	128.200 €
2.5.C.1 Rh REACH registration	113.500 €	103.791 €
2.5.C.1.1 Phase 1: Literature search, data gap analysis and recommendations	5.500 €	
2.5.C.1.2 Phase 2: In-depth data gap analysis and integrated testing strategy	5.500 €	1.822 €
2.5.C.1.3 Phase 3: Experimental studies (testing programme including cost of samples)	70.000 €	54.496 €
2.5.C.1.4 Phase 4: Generation of Chemical Safety Reports	31.500 €	39.419 €
2.5.C.1.5a Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers	0 €	6.293 €
2.5.C.1.5b Phase 5b: IUCLID 5 Hosting System	1.000 €	1.761 €
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 €	
2.5.C.3 Rh REACH evaluation	0 €	
2.5.C.4 Rh REACH classification & labelling	0 €	
2.5.C.5 Rh REACH authorisation	0 €	
2.5.C.6 Rh internal and external fixed Scientific Manager	50.275 €	24.409 €
2.5.C.7 Rh Building reserves	7.442 €	

N.B.: Real costs could be higher than budget due to carry over (cf. budget to be spent in approved Workplan)

2.8 Rh Project: 2017 Budget

Jelle Mertens

	PMC 2017	PMC 2017	PMC 2017
	Budget to be spent	Budget to be invoiced	HR
2.5.C Rhodium-specific costs	171.050 €	153.550 €	0,6
2.5.C.1 Rh REACH registration	90.550 €	73.050 €	
2.5.C.1.1 Phase 1: Literature search, data gap analysis and recommendations	0 €	0 €	
2.5.C.1.2 Phase 2: In-depth data gap analysis and integrated testing strategy	10.000 €	10.000 €	
2.5.C.1.3 Phase 3: Experimental studies (testing programme including cost of samples)	17.500 €	0 €	
2.5.C.1.4 Phase 4: Generation of Chemical Safety Reports	40.000 €	40.000 €	
2.5.C.1.5a Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers	22.050 €	22.050 €	
2.5.C.1.5b Phase 5b: IUCLID 5 Hosting System	1.000 €	1.000 €	
2.5.C.2 Rh REACH dossier maintenance	0 €	0 €	
2.5.C.3 Rh REACH evaluation	0 €	0 €	
2.5.C.4 Rh REACH classification & labelling	0 €	0 €	
2.5.C.5 Rh REACH authorisation	0 €	0 €	
2.5.C.6 Rh internal and external fixed Scientific Managers	80.500 €	80.500 €	
2.5.C.7 Rh Building reserves	0 €	0 €	



2.9 Ru Project: Main achievements in 2016

Jelle Mertens

- Annex III exempted dossiers
 - 1 waiting registration
- 6 dossiers in preparation – PMC internal timing Q3 2017

Name of the substance	Identification numbers		LR	Registered by LR	
	CAS	EC			
Ruthenium	7440-18-8	231-127-1	Heraeus		
Ruthenium trichloride (hydrate)	10049-08-8	233-167-5	Heraeus		
Ruthenium (IV) oxide	12036-10-1	234-840-6	Heraeus		
Tris(nitrato-O)nitrosylruthenium	34513-98-9	252-068-8	Umicore AG&Co.KG	Ongoing	<i>(AnnexIII exempted)</i>
Hexakis[μ-(acetato-O:O')]-μ ³ -oxo-triangulo-triruthenium acetate / Ruthenium acetate	55466-76-7	259-653-7	Johnson Matthey		
Tetraammonium decachloro-μ-oxodiruthenate(4-)	85392-65-0	286-924-7	Heraeus		
Ruthenium trihydroxide	12135-42-1	235-221-3	Umicore NV/SA		

2.9 Ru Project: Main achievements in 2016

Jelle Mertens

- 6 dossiers in preparation
 - Remaining phys-chem datagaps identified + filled
 - Ru trichloride:
 - Ecotox: testing finalised, PNEC values being derived
 - HH tox: all testing finalised, except 2 to be finalized in January 2017.
 - TetradoRu:
 - Ecotox: testing finalised, PNEC values being derived
 - HH tox all testing finalised, except 1, draft report expected early January 2017.
 - Uses revised by PMC secretariat, circulated to members for review



2.9 Ru Project: Main challenges for 2017

Jelle Mertens

- Revise and agree on SID cards
- Revise HH tox testing
- Have DNELs derived, and exposure scenarios drafted
- Have dossier ready for approval and registration

- Invite co-registrants to register well ahead of ECHA deadline (May 2018)

- Requests coming from LoA buyers (e.g.: composition, uses, etc.)

2.9 Ru Project: Timeline

Jelle Mertens



2.9 Ru Project: Finance by 31/10/2016

Jelle Mertens

	PMC 2016	
	Budget to be invoiced	Real
2.5.D Ruthenium-specific costs	345.956 €	281.528 €
2.5.D.1 Ru REACH registration	246.850 €	258.857 €
2.5.D.1.1 Phase 1: Literature search, data gap analysis and recommendations	5.500 €	
2.5.D.1.2 Phase 2: In-depth data gap analysis and integrated testing strategy	5.500 €	1.511 €
2.5.D.1.3 Phase 3: Experimental studies (testing programme including cost of samples)	200.200 €	210.897 €
2.5.D.1.4 Phase 4: Generation of Chemical Safety Reports	33.600 €	37.953 €
2.5.D.1.5a Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers	1.050 €	7.287 €
2.5.D.1.5b Phase 5b: IUCLID 5 Hosting System	1.000 €	1.209 €
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 €	
2.5.D.3 Ru REACH evaluation	0 €	
2.5.D.4 Ru REACH classification & labelling	0 €	
2.5.D.5 Ru REACH authorisation	0 €	
2.5.D.6 Ru internal and external fixed Scientific Manager	50.275 €	22.670 €
2.5.D.7 Ru Building reserves	48.831 €	

N.B.: Real costs could be higher than budget due to carry over (cf. budget to be spent in approved Workplan)

2.9 Ru Project: 2017 Budget

Jelle Mertens

	PMC 2017	PMC 2017	PMC 2017
	Budget to be spent	Budget to be invoiced	HR
2.5.D Ruthenium-specific costs	501.700 €	435.200 €	0,6
2.5.D.1 Ru REACH registration	183.550 €	117.050 €	
2.5.D.1.1 Phase 1: Literature search, data gap analysis and recommendations	0 €	0 €	
2.5.D.1.2 Phase 2: In-depth data gap analysis and integrated testing strategy	10.000 €	10.000 €	
2.5.D.1.3 Phase 3: Experimental studies (testing programme including cost of samples)	87.500 €	21.000 €	
2.5.D.1.4 Phase 4: Generation of Chemical Safety Reports	63.000 €	63.000 €	
2.5.D.1.5a Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers	22.050 €	22.050 €	
2.5.D.1.5b Phase 5b: IUCLID 5 Hosting System	1.000 €	1.000 €	
2.5.D.2 Ru REACH dossier maintenance	0 €	0 €	
2.5.D.3 Ru REACH evaluation	0 €	0 €	
2.5.D.4 Ru REACH classification & labelling	0 €	0 €	
2.5.D.5 Ru REACH authorisation	0 €	0 €	
2.5.D.6 Ru internal and external fixed Scientific Managers	78.150 €	78.150 €	
2.5.D.7 Ru Building reserves	240.000 €	240.000 €	

2.10 Re Project: Main achievements in 2016

Katrien Arijs

- Literature review ongoing (WCA/Bibra)

2.10 Re Project: Main challenges for 2017

Katrien Arijs

- Dirhenium heptasulphide dossier to be submitted once necessary information from LR received
- 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



2.10 Re Project: Finance by 31/10/2016

Katrien Arijs

	Budget to be invoiced	Real
2.6 Re-specific costs	11.400 €	1.217 €
2.6.1 Re REACH registration	0 €	
2.6.2 Re REACH dossier maintenance	11.400 €	849 €
2.6.2.1 Phase 1: Literature search, data gap analysis and recommendations	3.200 €	0 €
2.6.2.2 Phase 2: In-depth data gap analysis and integrated testing strategy	0 €	
2.6.2.3 Phase 3: Experimental studies (testing programme including cost of samples)	0 €	
2.6.2.4 Phase 4: Generation of Chemical Safety Report	0 €	
2.6.2.5a Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers	3.200 €	0 €
2.6.2.5b Phase 5b: IUCLID 5 Hosting System	5.000 €	849 €
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 €	
2.6.4 Re REACH classification & labelling	0 €	
2.6.5 Re REACH authorisation (not relevant)	0 €	
2.6.6 Re internal and external fixed Scientific Manager	0 €	368 €
2.6.7 Re Building reserves		



2.10 Re Project: 2017 Budget

Katrien Arijs

	PMC 2017	PMC 2017	PMC 2017
	Budget to be spent	Budget to be invoiced	HR
2.6 Re-specific costs	7.400 €	7.400 €	0,02
2.6.1 Re REACH registration	0 €	0 €	
2.6.2 Re REACH dossier maintenance	7.400 €	7.400 €	
2.6.2.1 Phase 1: Literature search, data gap analysis and recommendations	3.200 €	3.200 €	
2.6.2.2 Phase 2: In-depth data gap analysis and integrated testing strategy	0 €	0 €	
2.6.2.3 Phase 3: Experimental studies (testing programme including cost of samples)	0 €	0 €	
2.6.2.4 Phase 4: Generation of Chemical Safety Report	0 €	0 €	
2.6.2.5a Phase 5a: Generation of IUCLID 5 Files and Registration Dossiers	3.200 €	3.200 €	
2.6.2.5b Phase 5b: IUCLID 5 Hosting System	1.000 €	1.000 €	
2.6.3 Re REACH evaluation (not relevant)	0 €	0 €	
2.6.4 Re REACH classification & labelling	0 €	0 €	
2.6.5 Re REACH authorisation (not relevant)	0 €	0 €	
2.6.6 Re internal and external fixed Scientific Manager	0 €	0 €	
2.6.7 Re Building reserves	0 €	0 €	



2.11 SVHC Roadmap Project: Main achievements in 2016 (1)

Marie Gorkem

- A **clear WG mandate** and working rules
- **Stock-taking survey** on ALL substances in the scope of the SVHC Roadmap (~1000 substances)
 - Identification of around **30 substances being critical for at least 3 members** and for which PMC conducts close monitoring
- **Substance-specific work**
 - *PbO*: submitted input to ECHA's consultation, PM uses taken into account in ECHA's analysis
 - Meeting on Pb/Pb compounds: use mapping, clarification of "authorisable uses", introduction to AfA process
 - Current status: AfA needed for firing assay (> 1t/y) in case PbO is added to Authorisation.
 - *Hydrazine*: survey on use/volume information, review of occupational monitoring data, sharing with Hydrazine Consortium to "improve" HYZ registration dossier
 - *Borates*: clarification of uses and scope analysis as regards Authorisation
 - *RCFs*: clarification of uses, analysis of substance/article boundaries
 - *Cobalt, titanium dioxide, nitric acid*

2.11 SVHC Roadmap Project: Main achievements in 2016 (2)

Marie Gorkem

- **Authorisation and Recycling of Metals** (with Eurometaux)
 - Study completed and identification of clear and realistic measures to prevent or mitigate the impact of Authorisation on the recycling of metals, based on REACH (mixing, intermediates, UVCBs, REACH/OSH interface)
 - Advocacy towards ECHA, Commission, NL, raising awareness and support
- **RMOA** (with Eurometaux, CII)
 - Development of Ind-RMOA template for industry or regulators
 - Advocacy for systematic and streamlined use of RMOAs by authorities prior to RMMs has led to increasing support among MS
 - Implementation by industry (including by PMC) revealed also that Ind-RMOA allows to identify critical data gaps in registration dossiers – Ind-RMOA, a KEY TOOL!
- **Drafting of supporting documents:**
 - « Check lists » for downstream users in the context of Authorisation
 - Analysis of DU outreach possibilities under the SVHC Roadmap

2.11 SVHC Roadmap Project: Main challenges for 2017

Marie Gorkem

AUTHORISATION

- **PbO / Pb:**
 - implementation of Article 58.2 / support EM/ILA actions
 - anticipate on a possible PbO Authorisation
- Gather further support on **prevention / mitigation measures** for Recycling (OSH, intermediate)
- **ECHA's 8th list:** monitor Hydrazine, Borates
- **AfA capacity building**

REACH/OSH interface

- Ensure appropriate **criteria** are proposed in Commission **Common Understanding document**

Low priority substances / ECHA sectoral approach

- Work with ECHA on **criteria for deprioritisation of substances**



2.11 SVHC Roadmap Project: Timeline

Marie Gorkem



2.11 SVHC Roadmap Project: Finance by 31/10/2016

Marie Gorkem

- Budget not spent and will be carried over to 2017

	Budget <i>to be invoiced</i>	Real
2.8 SVHC Roadmap-specific costs	20.000 €	0 €
2.8.1 Authorisation work programme	10.000 €	
2.8.2 Monitoring and advocacy	0 €	
2.8.3 Prioritization on authorisation	10.000 €	

2.11 SVHC Roadmap Project: 2017 Budget

Marie Gorkem

	PMC 2017	PMC 2017	PMC 2017
	Budget <i>to be spent</i>	Budget <i>to be invoiced</i>	HR
2.8 SVHC Roadmap-specific costs	81.250 €	61.250 €	0,5
2.8.1 Authorisation work programme	10.000 €	0 €	
2.8.2 Monitoring and advocacy	0 €	0 €	
2.8.3 Prioritization on authorisation	10.000 €	0 €	
2.8.4 Internal Regulatory Affairs Manager	61.250 €	61.250 €	



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3. Update on IPA STF (International Platinum Group Association Science Task Force)

Bert Swennen, Umicore



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PGM Science Task Force

Sharing the Pain & the Gain with PMC

Bert Swennen

Co-Chair Science Task Force



PMC General Assembly

Brussels, 6 Dec

2016

IPA's Science Task Force

IPA Governance (Members Committee)

- Target setting & Oversight of HSRG activities
- Budget control

Secretariat

- IPA

Science Task Force [STF]

- Core of ~20 member rep (cross-sector)
- Health effects specialties: occupational physicians, toxicologists, industrial hygienists, analytical scientists & technology specialists
- Effects assessments & targeted science programs

Attached scientists

- Consultants / Project Managers (p/t)
- Science Manager (**recruiting**)

Scientific projects (external)

- Project-specific, e.g. University Wisconsin, University of Utrecht and other institutes
- External peer reviewers

Drivers for IPA STF efforts

➤ **Regulatory / quasi-regulatory standards:**

- Global focus, multi-regulation



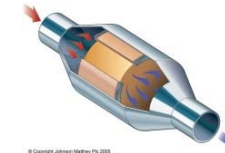
World Health Organization

➤ **Chloroplatinate workplace standards:**

- Threats of low ng/m³ OELs



➤ **Product protection:** e.g. PGMs in autocats



➤ **Balanced risk perception (Pt, other PGMs):**

- NGOs, public



➤ **Avoid “domino” controls occurring:**

- Sector stewardship

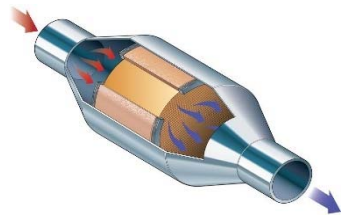


IPA's Science Task Force

1. STF Achievements
2. Risks / Challenges – The Future
3. Way Forward & Why PMC & STF have shared aims & collaboration opportunities

1. STF achievements 2009-2016

Other



IPA
Safe
Hand-
ling
Guide



Intercepted aggressive exposure standards

Scientific Committee on Occupational Exposure Limits
5 ng/m³



Prevention of domino effect

**Objective evidence:
negligible chloroPt
emissions & risk**



2. STF recognise many other pressures mounting

STF seeks to pre-empt key product & workplace threats (globally)



3rd party reports on PGMs:

- Many ! Unpredictable content
- Often speculative but potentially damaging (product & worker impact)
- REACH data will catalyse research

Unaddressed areas:

- Nano emissions
- Health & env. effects of PGMs other than Pt
- NB baseline data PGMs low compared to other metals
- OELs for other PGMs



Data releases (now):

- Pt & Rh genotox
- Pd & Pt env. toxicity
- Risk assessment including potential SVHC pressures
- Multi-region/agency impact (REACH data goes beyond EU)

PSS:

- OEL step-change / other RMM
- More scrutiny of sector
- Multi-region relevance

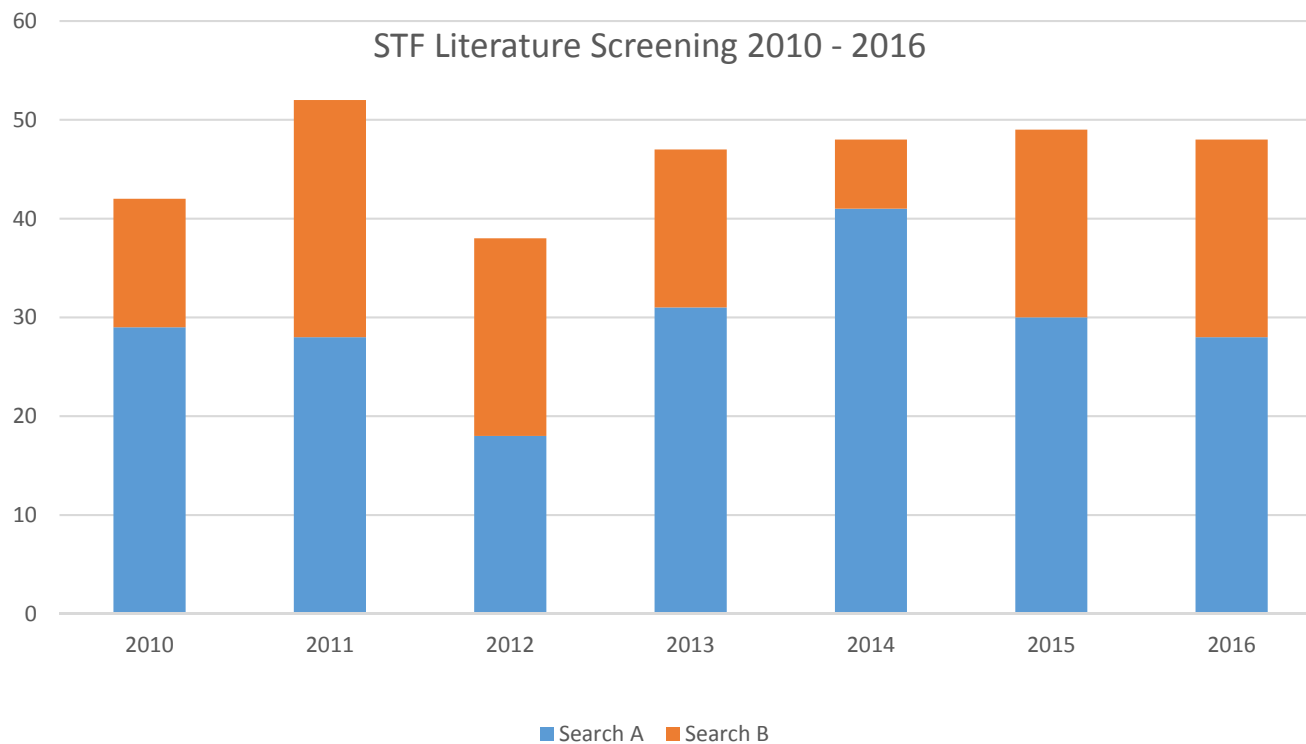


2.1 Risks: Increasing external science pressures

Search A: env./biol. transformation of PGMs (to chloroplatinates)

Search B: emissions of PGMs from autocatalysts + env./ human health effects (e.g., sensitization)

October 2016 update: several papers on PGM e-waste and nano!!



2.2. Challenges / PGM sector risks (shared pain)

Respiratory sensitisation ►

- Issue serious, but confined to intermediates (chloroPt) in limited number of workplace exposure scenarios
- Uncertainty about skin exposure & resp. sensitisation

Environmental effects ►

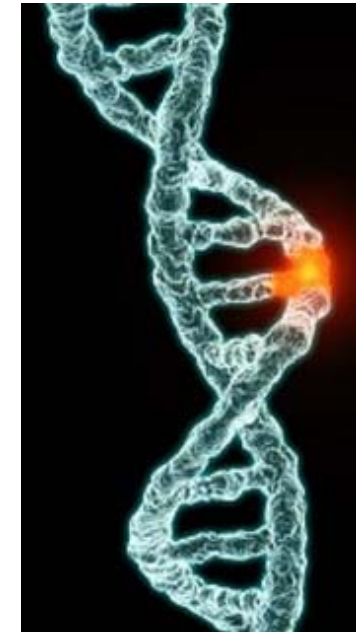
- STF program on environmental transformation (autocats) mitigated for Pt
- Pd needs more effort (3rd party research grows)
- PMC REACH data Pt⁴⁺ & Pd²⁺ ► v.low PNECs (water/soil): more ecotox datapoints would improve situation

Genetox / Mutagenicity ►

- Multiple Pt substances & Rh³⁺
- Trajectory currently uncertain
- Potential for broadest impact on marketed products
- In vivo data urgently needed

2.3. Potential area of collaboration: Pt substances – genotoxicity

- Current unknowns (evident to PMC):
 - Will positive in vitro outcomes translate into positive in vivo?
 - How many affected Pt substances will become classified for mutagenicity (increasing pressures for control)?
- PMC will submit test proposals for in vivo studies
 - Subject to REACH TP – significant delay before studies proceed
 - Some Pt species relevant to STF interests (autocat emissions related) not in PMC program
- Meantime, existing in vitro results will become public when REACH dossiers are submitted & disseminated
- STF not constrained by TP/could collaborate & initiate one or more key studies



2.4 Potential Area of Collaboration: PGM environmental hazard assessment

- STF aware of recent PNEC derivations
- Appreciate imperative to get dossiers done
- Also appreciate limited datasets drove low values (default Assessment Factors)
- But if left as is, such low PNECs will be problematic (regulators, 3rd party research):
 - 1) (Global) impact on product interests (e.g. autocats)
 - 2) Learn from experience with Ag ...
 - 3) PMC & STF shared advantage in expanding data to radically improve PNECs

Metal	PNEC Freshwater (µg/L)	PNEC soil (mg/kg dw)
Zinc	20.6	107.0
Arsenic	17.1	0.7
Copper	7.8	65.0
Nickel	7.1	29.9
Lead	3.1	212.0
Cobalt	0.6	10.9
Silver (Ag ⁺)	0.04	1.41
Platinum (Pt ⁴⁺)	0.14	0.005
Palladium (Pd ²⁺)	0.027	0.027

Comparative PNECs vs other NFM

3. STF is evolving

STF has reached crossroads

Epidemiology studies 1 & 2 (UoU)
Analytics and bio-transformation (UoW)
Workplace health guide
...

- Targetted programs: product and workplace
- Highly cost-effective
- Peer review publications

Successful advocacy outreach

- EU SCOEL
- US EPA

Research program almost completed

- 2017

3. STF is evolving

- **Recent decision by member companies**
 - Develop STF into product & workplace stewardship platform
 - Still focused on emerging (global) threats
 - Formalise cooperation with PMC and other stakeholders

- **Enhancement to IPA's technical resource**
 - Hiring IPA Science Manager
 - More capacity to interact with other sector organisations on science issues



Key: consistency/alignments in policies and positions in PGM sector across various organizations

3.1. Way Forward: Improved Alignment PMC / STF

Think Tank meeting of IPA/STF & EPMF/PMC representatives (August 2016)

PMC	STF
Primarily individual substance driven (REACH dossiers)	Issue driven: groups of PGMs, or technology risk assessment (e.g. autocats, industrial catalysts)
EU region regulatory compliance	Global perspective (not only compliance-driven agenda)
Near-term / hard-stop timings (registration deadlines)	Can focus on medium to long-term
Have to follow quite prescriptive requirements in REACH	Flexible research programs; can be designed to respond to business risks or even pre-empt emerging concerns

Focus intentionally different but should be complementary

3.2. Way Forward: Alignment PMC / STF

Appraisal of current situation

Challenges

- New areas of concern for PGMs
- **Worst case:** Pressure towards substitution / restriction
- REACH data influential beyond EU
- PMC fully stretched with REACH priorities
- STF stretched with maintaining effective global science & regulatory surveillance (resource and time constraints)

Proposal

- Closer coordination of PMC and STF (helps both & also overall PGM sector interests)
- More synchronisation of technical programs & regulatory strategy
- Leverage PMC programs more efficiently
- Leverage new STF Science Manager



3.2. Way Forward: Alignment PMC – IPA STF

Tactical level improvements

- **IPA STF representative(s) on PMC PGM workgroups**
 - Involvement in Chloroplatinates dossier; e.g. alignment of REACH dossiers & IPA Voluntary Target Value (chloroPt)
 - PNEC derivations, Genotoxicity
 - Other shared science themes

- **Move for Win-Win in some future test program design**
 - Where it makes sense and avoids data gaps or duplicated effort

- **Cooperation to be further formalised (STF Science Manager)**
 - Revision of data sharing agreement

- **Alignment efforts also underway with other sector associations (IPMI, AECC etc.)**



Thank you!

Questions?



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4. Closing remarks

Guy Ethier, Umicore



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1. Welcome and Introduction

Guy Ethier, Umicore

1.1 Confidentiality and Competition Law

DO	DON'T
<u>Application of competition law</u>	
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.
<u>Consultation in Matters of Competition Law</u>	
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.
<u>Activities in any preliminary phase and at any other stage of operation of the Consortium</u>	
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 or the effect of preventing, restricting and/or distorting competition are prohibited within the scope of this Agreement, including: <ul style="list-style-type: none"> - 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.
<u>Exchange of Confidential Information</u>	
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 : <ul style="list-style-type: none"> - Production capacities; - Productions or sales volumes; - Import volumes; - Market shares; - Price policy; - Distribution and marketing terms; - Marketing strategies; - Information regarding the relationship with suppliers.
<u>Documentation on Cooperation</u>	
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

Quorum is reached: 66 %

1.3 Approval of the agenda 07/12/2016 (1)

1. Welcome and Introduction

1.1. Confidentiality and Competition Law

1.2. Tour de table, quorum and apologies

1.3. Approval of the agenda

2. PMC Management Committee election

3. Membership news

4. PMC Finances

4.1. 2016 status

5. PMC Workplan 2016: overall timeline and registration status

1.3 Approval of the agenda 07/12/2016 (2)

6. Future of PMC after 2018

6.1. ECHA sectoral initiative

6.2. Outcome brainstorming meeting: approval PMC long term objectives

7. Silver: Water Framework Directive

8. PMC Workplan 2017-2019

8.1. 2017 Budget and HR: for approval

8.2. 2018-2019 forecast: for information

9. Data sharing: Switzerland initiative

10. AOB, next meeting and closing remarks



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2. PMC Management Committee election

France Capon, EPMF

PMC Management Committee election

- Francisco Boo, Metalor (Switzerland)
- Rudolf Eller, Heraeus (Germany)
- Guy Ethier, Umicore (Belgium)
- Jörn Mühlenfeld, Aurubis (Germany)
- Juha Parkinnen, Norilsk (Finland)
- Nissanka Rajapakse, Johnson Matthey (UK)
- Heinz-Günter Schenzel, C. Hafner (Germany)
- Holger Zitt, BASF (Germany)

FOR APPROVAL



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3. Membership news

France Capon, EPMF

New PMC member

CRI-CRITERION (<http://www.cricatalyst.com/cricatalyst/about.html>):

CRI Catalyst Company is part of CRI/Criterion Inc., the global catalyst technology company of the Shell Group. CRICC operates research laboratories, development facilities, manufacturing plants and business units throughout the world. It is dedicated to providing a broad customer base with effective and cost-efficient catalysts and technologies. CRI has a range of products with specific focus on environmental applications, hydrogen separation and recovery, selective oxidation and hydrogenation, dehydrogenation and the production of renewable fuels.

FOR APPROVAL



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4. PMC Finances

France Capon, EPMF

4.1 Finances: 2016 status by 31/10/2016

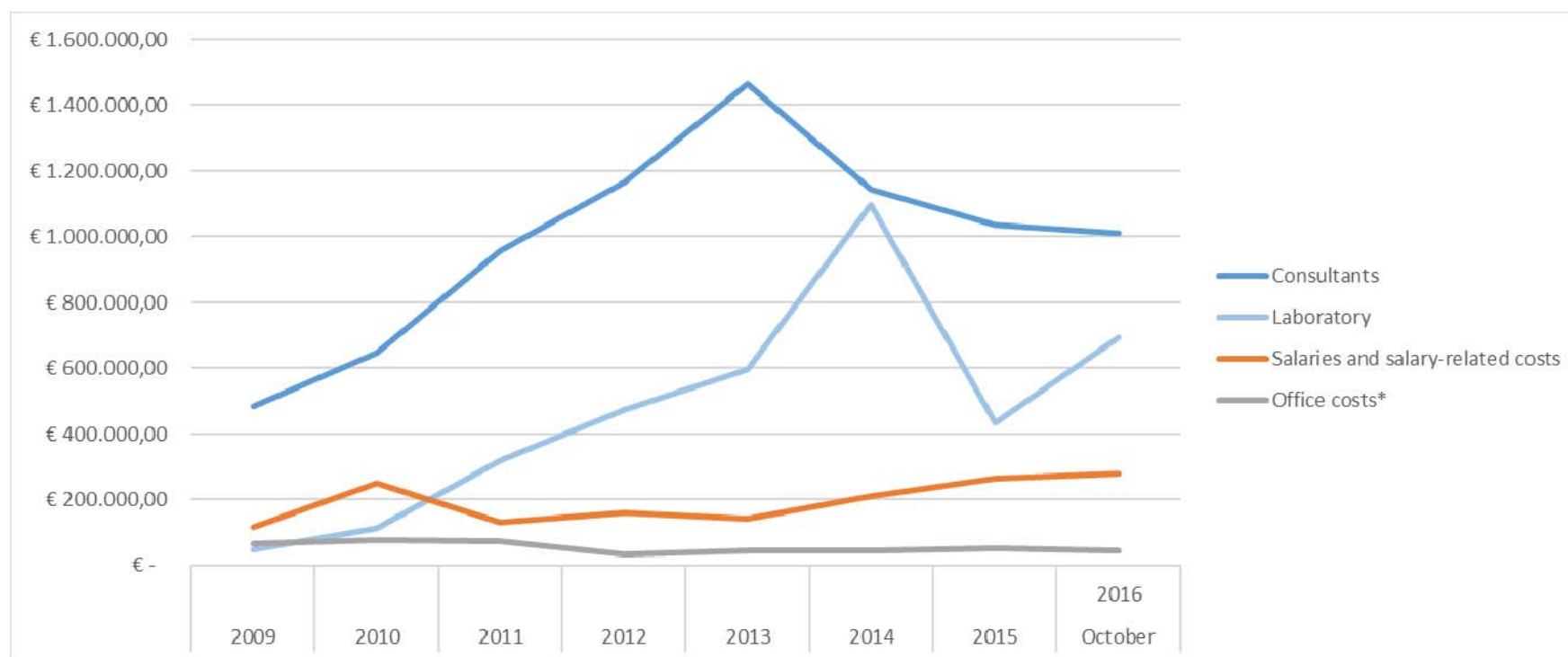
		2016 Budget to be spent	2016 Budget to be invoiced	2016 Forecast	Expenses by 31/10/2016	Committed	TOTAL Expenses by 31/10/16 + Committed	Remaining available budget (2016 budget- Expenses- Committed)
2.1	Administrative costs	€ 618.800	€ 618.800	€ 618.800	€ 392.942	€ 109.730	€ 502.672	€ 116.128
2.2	Ag-specific costs	€ 681.250	€ 689.903	€ 400.000	€ 126.499	€ 442.282	€ 568.781	€ 112.469
2.3	Au-specific costs	€ 122.700	€ 79.550	€ 307.450	€ 88.971	€ 223.669	€ 312.640	€ -22.586
2.4	PM CN- -specific costs	€ 388.500	€ 288.200	€ 388.500	€ 220.937	€ 75.512	€ 296.449	€ 92.051
2.5	PGM-specific costs	€ 2.478.250	€ 1.785.448	€ 2.488.250	€ 1.302.906	€ 1.245.288	€ 2.548.194	-€ 69.944
2.5	<i>PGM- horizontal costs</i>					€ 486.902	€ 486.902	€ -486.902
2.5a	<i>Pt-specific costs</i>	€ 1.183.955	€ 645.102	€ 1.183.955	€ 569.076	€ 334.609	€ 903.685	€ 280.270
2.5b	<i>Pd-specific costs</i>	€ 572.405	€ 622.173	€ 572.405	€ 310.848	€ 21.858	€ 332.706	€ 239.699
2.5c	<i>Rh-specific costs</i>	€ 162.470	€ 171.217	€ 162.470	€ 128.200	€ 118.479	€ 246.679	€ -84.209
2.5d	<i>Ru-specific costs</i>	€ 558.420	€ 345.956	€ 558.420	€ 281.528	€ 283.439	€ 564.967	-€ 6.547
2.5e	<i>Ir-specific costs</i>	€ 1.000	€ 1.000	€ 11.000	€ 13.254	€ 0	€ 13.254	€ -12.254
2.6	Re-specific costs	€ 11.400	€ 11.400	€ 11.400	€ 1.217	€ 5.000	€ 6.217	€ 5.183
2.7	Refinables-specific costs	€ 772.550	€ 277.550	€ 772.550	€ 19.073	€ 234.472	€ 253.545	€ 519.005
2.8	SVHC Roadmap-specific costs	€ 20.000	€ 20.000	€ 0	€ 0	€ 0	€ 0	€ 20.000
	TOTAL	€ 5.093.450	€ 3.770.851	€ 4.986.950	€ 2.152.545	€ 2.335.953	€ 4.488.498	€ 772.306

*Including TCA reimbursement of Covance test in Gold project (167 354 euros)

4.2 Finances: overview spending consultants, labs...

	2009	2010	2011	2012	2013	2014	2015	October 2016	TOTAL
Consultants	€ 482.960,99	€ 647.333,00	€ 955.615,92	€ 1.164.261,97	€ 1.463.002,21	€ 1.144.402,83	€ 1.036.257,73	€ 1.010.094,59	€ 7.903.929,24
Laboratory	€ 46.671,80	€ 113.585,55	€ 317.308,26	€ 473.577,81	€ 594.722,91	€ 1.097.480,32	€ 433.401,06	€ 693.391,46	€ 3.770.139,17
Salaries and salary-related costs	€ 117.792,84	€ 251.884,32	€ 132.770,34	€ 159.169,54	€ 142.736,70	€ 210.207,27	€ 265.057,00	€ 280.754,39	€ 1.560.372,40
Office costs*	€ 68.204,80	€ 78.527,80	€ 74.138,82	€ 34.513,15	€ 45.672,29	€ 44.462,35	€ 53.256,00	€ 45.284,00	€ 444.059,21

* incl. travel costs till 2011





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5. PMC Workplan 2016-2017: overall timeline and registration status

France Capon, EPMF



PMC Workplan 2016: registration status

Name of the substance	Identification numbers		LR	Registered by LR
	CAS	EC		
Silver	7440-22-4	231-131-3	Aurubis	Nov 2010
Silver nitrate	7761-88-8	231-853-9	Ames	Nov 2010
Disilver oxide	20667-12-3	243-957-1	Ames	Oct 2010
Silver carbonate	534-16-7	208-590-3	Johnson Matthey	Mar 2012
Disilver(1+) sulphate	10294-26-5	233-653-7	Johnson Matthey	Mar 2012
Silver chloride	7783-90-6	232-033-3	Agfa Gevaert	Mar 2013
Silver bromide	7785-23-1	232-076-8	Agfa Gevaert	Mar 2013
Silver iodide	7783-96-2	232-038-0	Agfa Gevaert	Mar 2013
Gold	7440-57-5	231-165-9	C. Hafner	Apr 2016
Aurio(1+) 2,6,6-trimethylbicyclo[3.1.1]heptanethiolate	68365-87-7	269-858-3	Johnson Matthey	Jun 2016
Balsams, copaiba, sulfurized, mixed with turpentine, gold salts	68990-27-2	273-589-7	Heraeus Deutschland GmbH and Co. KG	Apr 2016
Silver cyanide	506-64-9	208-048-6	Saxonia Edelmetalle GmbH	Ongoing
Potassium dicyanoaurate	13967-50-5	237-748-4	Umicore Galvanotechnik GmbH	Oct 2016
Palladium	7440-05-3	231-115-6	Umicore NV/SA	Approved
Palladium dichloride	7647-10-1	231-596-2	BASF	Approved
Dihydrogen tetrachloropalladate(2-) (in solution)	16970-55-1	241-047-9	Heraeus	Approved
Diamminedichloropalladium	14323-43-4	238-269-3	Heraeus	Approved
Dichlorobis(triphenylphosphine)palladium	13965-03-2	237-744-2	Heraeus	Approved
Palladium (II) di(4-oxopent-2-en-2-oate)	14024-61-4	237-859-8	Heraeus	Approved
Palladium(II) acetate	3375-31-3	222-164-4	Heraeus	Oct 2016
Palladium monoxide	1314-08-5	215-218-3	Heraeus	Approved
Tetraamminepalladium (II) nitrate	13601-08-6	237-078-2	Johnson Matthey	Ongoing
Tetraamminepalladium(2+) dichloride	13815-17-3	237-489-7	Umicore AG&Co.KG	Approved
Tetraamminepalladium(2+) dihydroxide	68413-68-3	270-241-6	Heraeus	Approved
Tetrakis(triphenylphosphine)palladium	14221-01-3	238-086-9	Umicore AG&Co.KG	Ongoing
Disodium tetrachloropalladate	13820-53-6	237-502-6	BASF	Approved
Diammonium hexachloropalladate	19168-23-1	242-854-9	Johnson Matthey	Approved
Dipotassium hexachloropalladate	16919-73-6	240-974-6	C. Hafner	Approved

PMC Workplan 2016: registration status

Name of the substance	Identification numbers		LR	Registered by LR
	CAS	EC		
Tetraammineplatinum dichloride	13933-32-9	237-706-5	Johnson Matthey	Oct 2016
Platinum dioxide	1314-15-4	215-223-0	Umicore AG&Co.KG	Ongoing
Iridium	7439-88-5	231-095-9	Johnson Matthey	May 2016
Hexachloroiridic acid, Hydrogen hexachloroiridate (IV)	16941-92-7	241-012-8	Heraeus Deutschland GmbH and Co. KG	Jun 2016
Diammonium hexachloroiridate	16940-92-4	241-007-0	Johnson Matthey	May 2016
Carbonyl(pentane-2,4-dionato-O,O')(triphenylphosphine)rhodium	25470-96-6	247-015-0	Johnson Matthey	Oct 2016
Carbonylhydrotris(triphenylphosphine)rhodium	17185-29-4	241-230-3	Umicore AG&Co.KG	Ongoing
Di- μ -chloro-bis(hapto-1,5-cyclooctadiene)dirhodium(I)	12092-47-6	235-157-6	Heraeus	Sep 2016
Tris(triphenylphosphine) rhodium (I) chloride	14694-95-2	238-744-5	Umicore AG&Co.KG	Ongoing
Tris(nitrato-O)nitrosylruthenium	34513-98-9	252-068-8	Umicore AG&Co.KG	Ongoing
Rhenium	7440-15-5	231-124-5	KGHM Metraco	Sept 2013
Perrhenic acid (in solution)	13768-11-1	237-380-4	Heraeus Deutschland GmbH and Co. KG	Nov 2013
Ammonium perrhenate	13598-65-7	237-075-6	Heraeus Deutschland GmbH and Co. KG	Jul 2013
Sodium rhenate (in aq. solution)	13472-33-8	236-742-9	Climax Molybdenum	Mar 2014
Potassium perrhenate	10466-65-6	233-953-8	Heraeus Deutschland GmbH and Co. KG	Aug 2013
Refinables (ALL)				Nov 2010

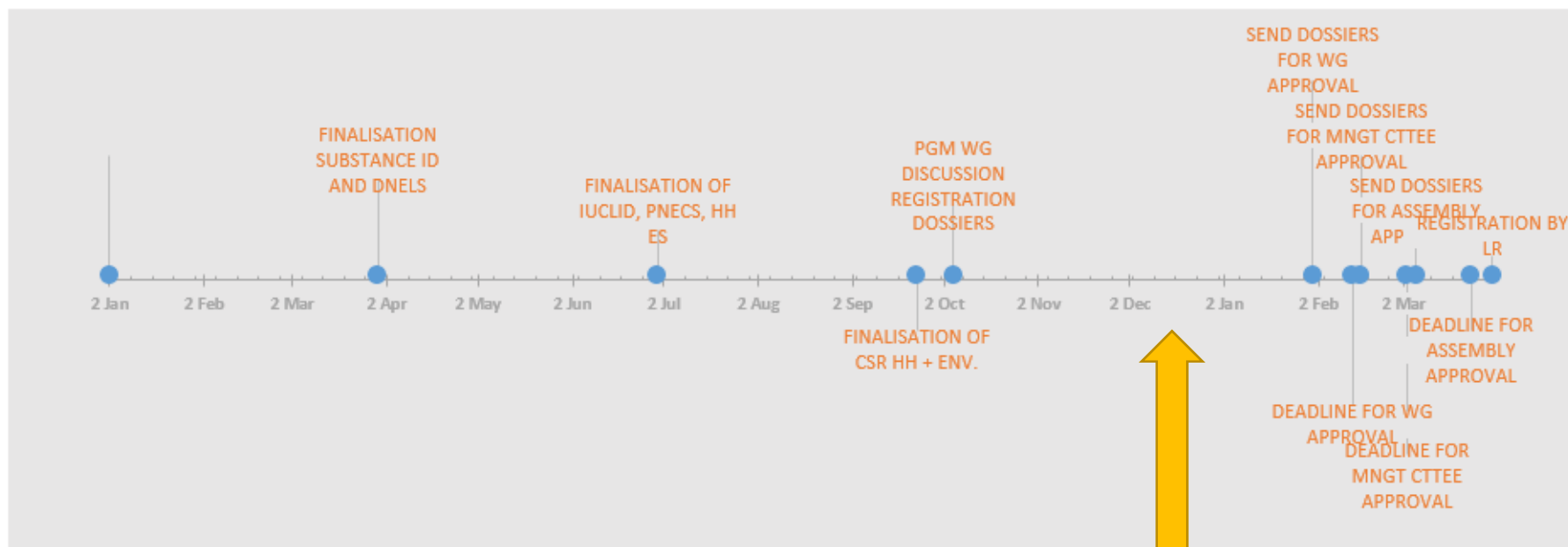
PMC Workplan 2016: bottlenecks

- All JSO have been created
- Amongst approved dossiers, the following have not been registered:
 - Silver cyanide
 - Tetrakis(triphenylphosphine)palladium
 - Tetramminepalladium (II) nitrate
 - Platinum dioxide
 - Carbonylhydrotis(triphenylphosphine)rhodium
 - Tris(triphenylphosphine) rhodium (I) chloride
 - Tris(nitrato-O)nitrosylruthenium
- Dirhenium heptasulphide – waiting for the green light from the interested company to proceed.

Overall, 40 registration dossiers have already been registered and 19 other dossiers approved for registration!

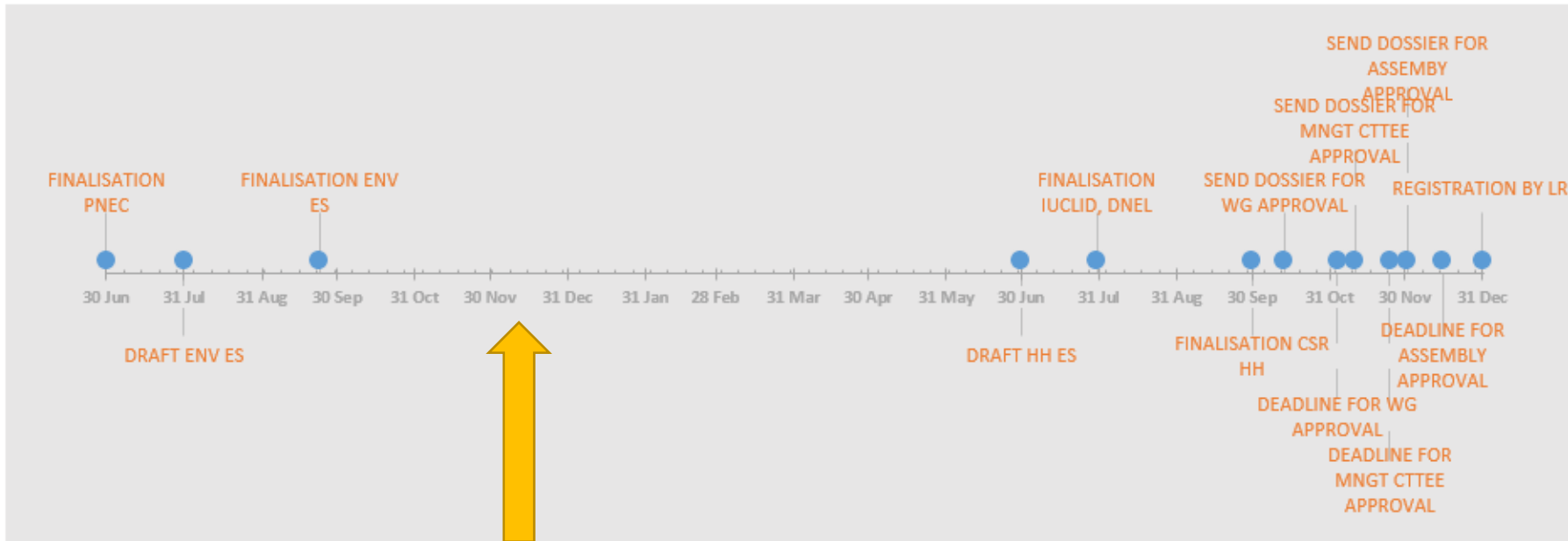
PMC Workplan 2016-2017: overall timeline

2016 - 2017 Registration of Pt and compounds except HHPA-2A and Karstedt



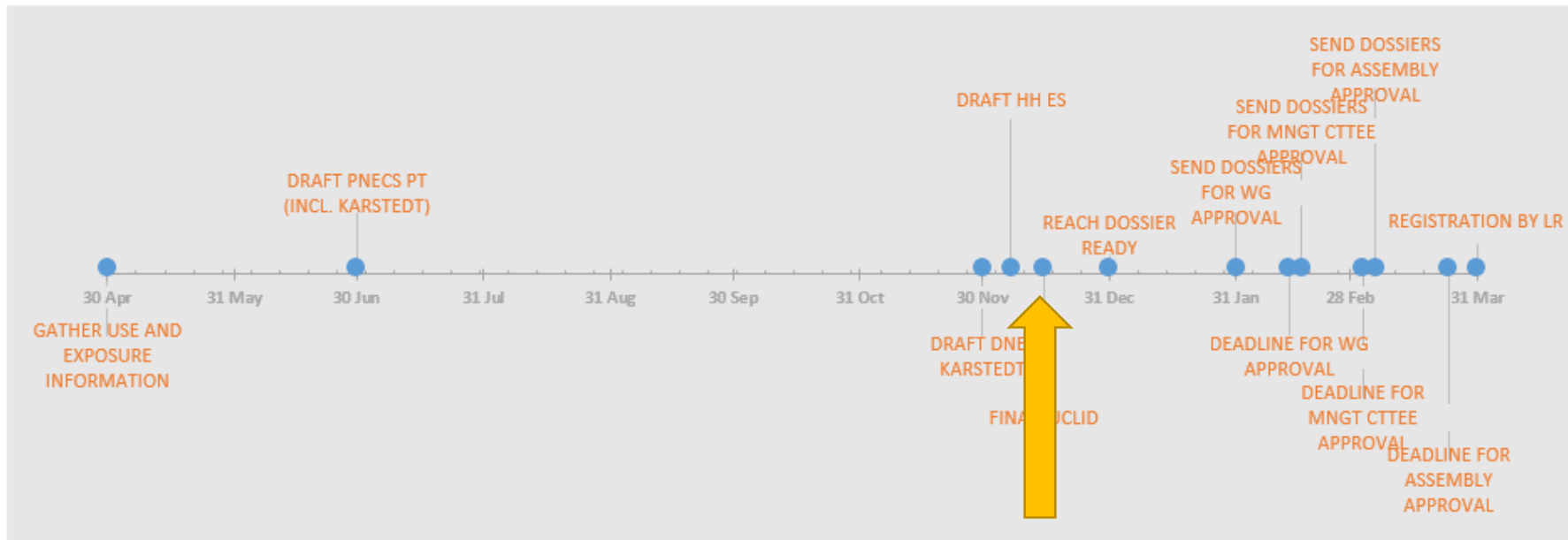
PMC Workplan 2016-2017: overall timeline

2016 - 2017 Registration of HHPA-2A



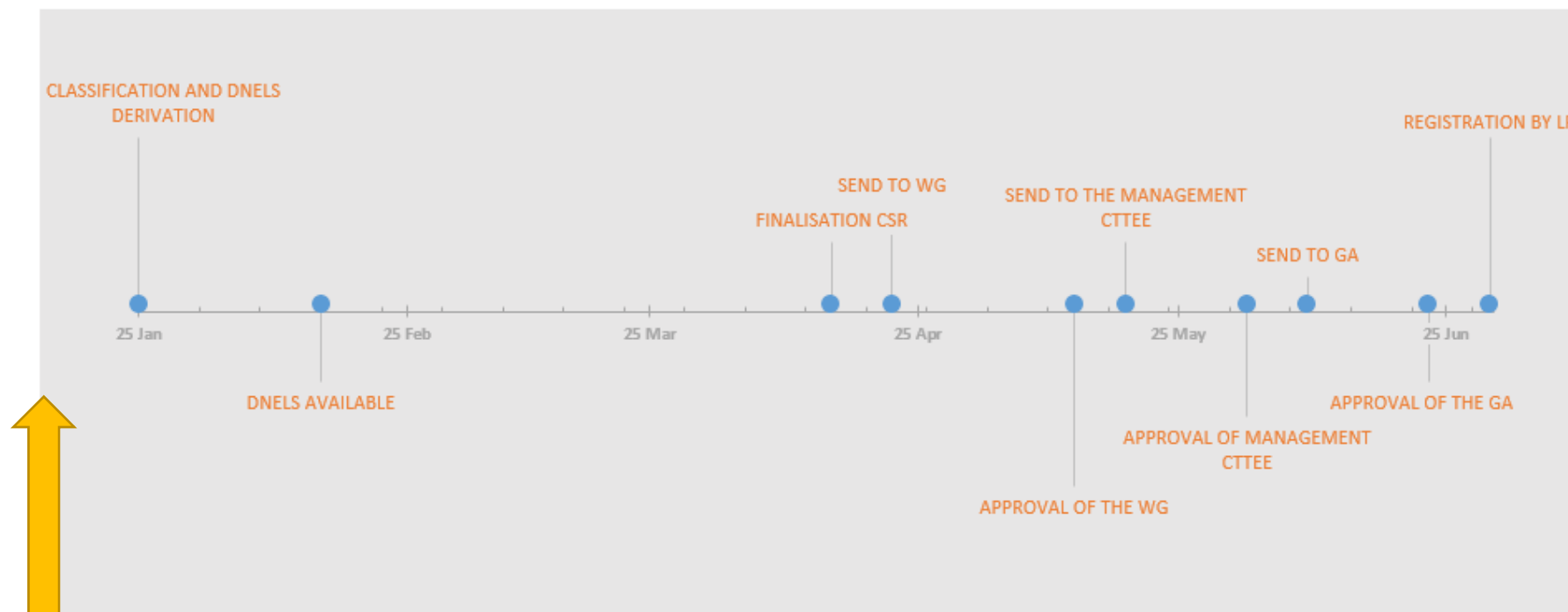
PMC Workplan 2016-2017: overall timeline

2016 - 2017 Registration of Karstedt



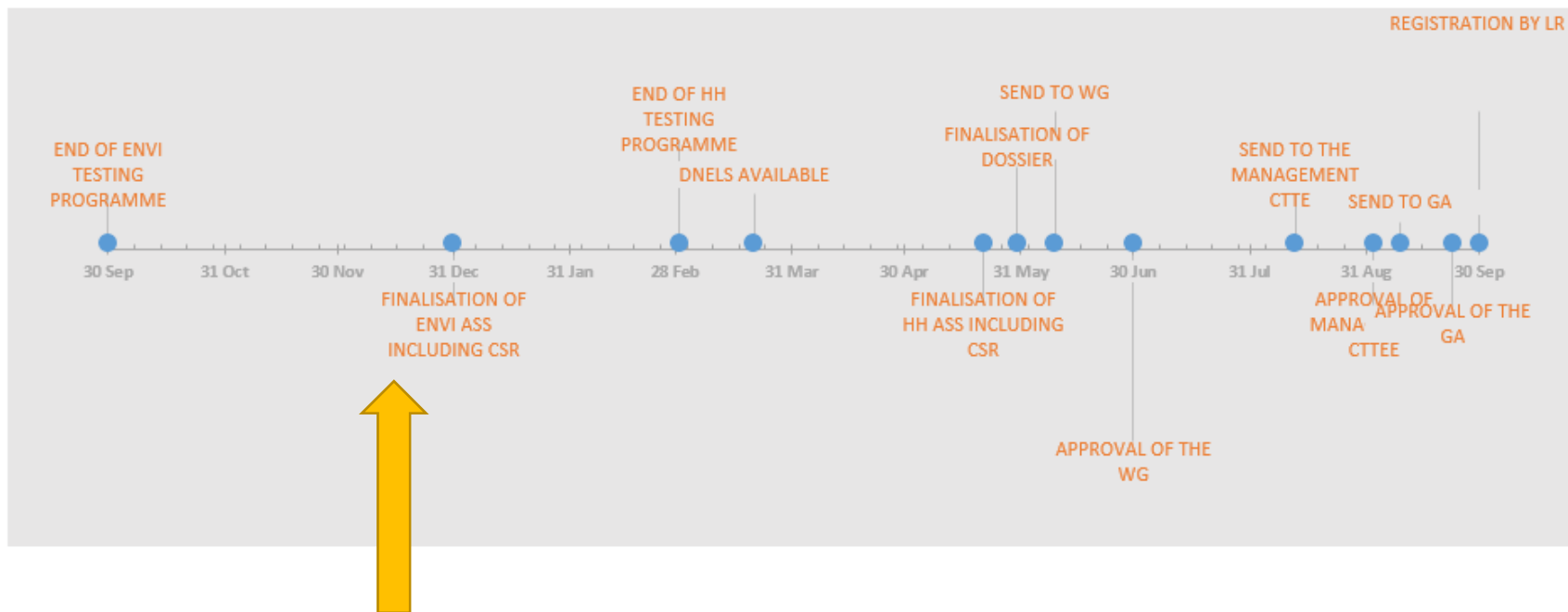
PMC Workplan 2016-2017: overall timeline

2017 Registration of Rh and Rh(III) compounds



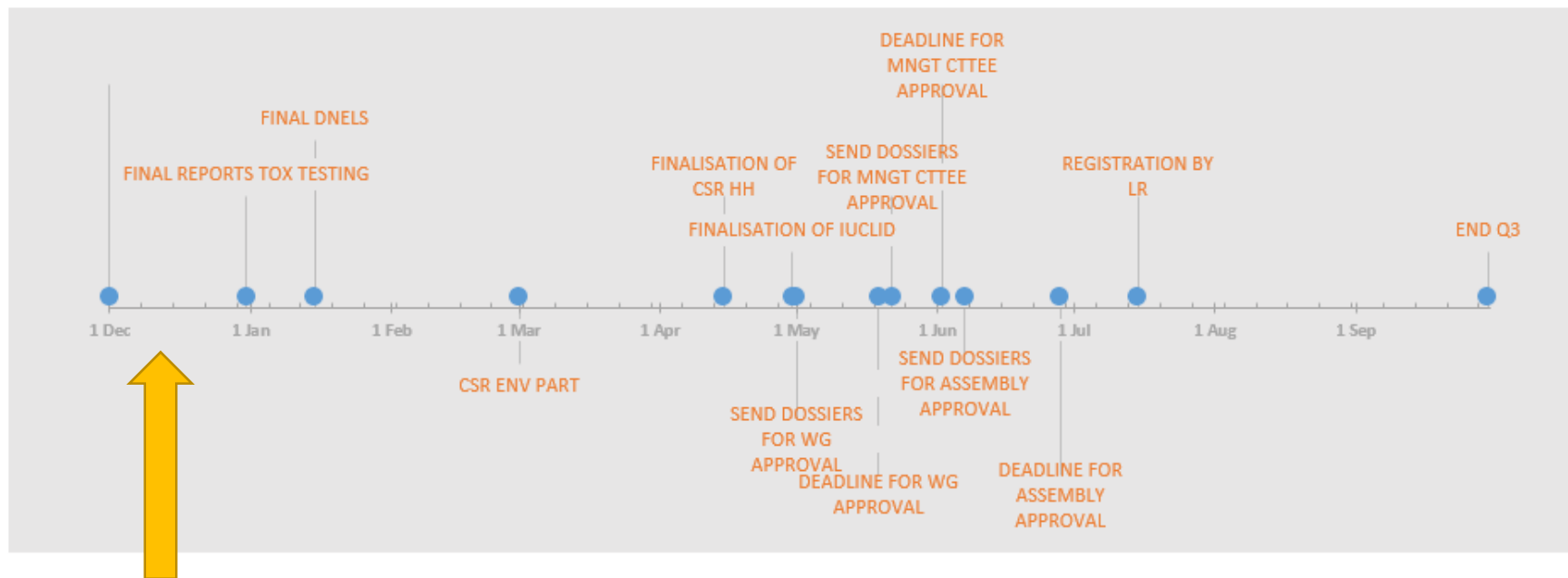
PMC Workplan 2016-2017: overall timeline

2016 - 2017 Registration of Ru and compounds



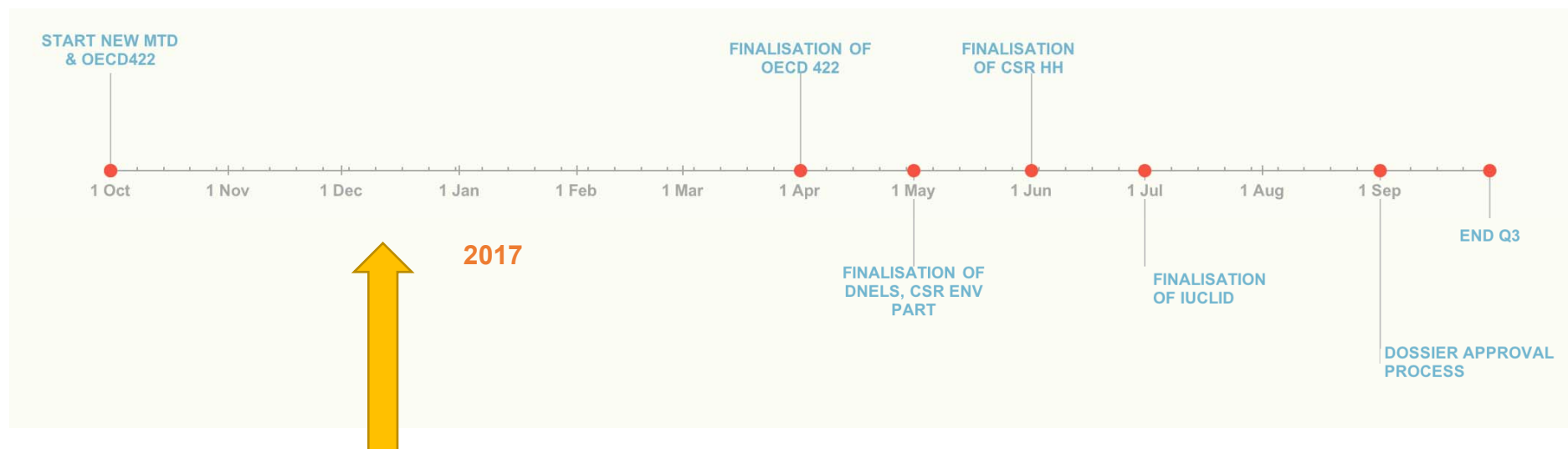
PMC Workplan 2016-2017: overall timeline

2017 Registration of KAg(CN)2



PMC Workplan 2016-2017: overall timeline

2017 Registration of TCA



PMC workplan: process



Time to
input



Time to
approve



Time to
act





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6. Future of PMC after 2018

France Capon, EPMF

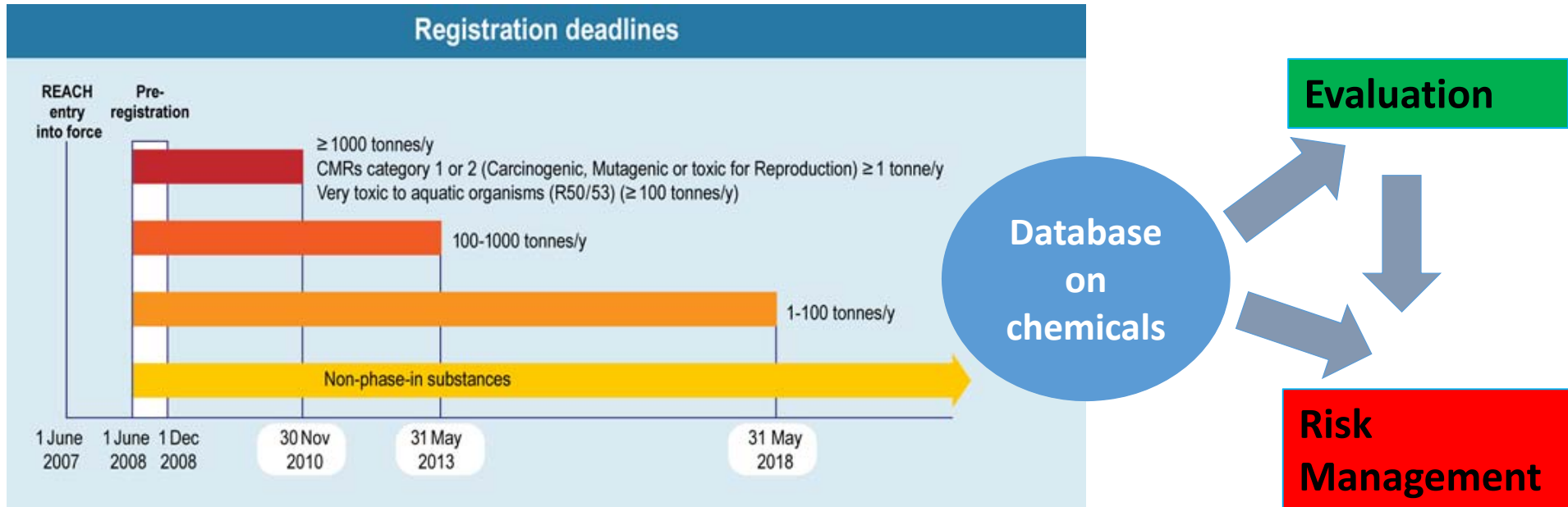


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6.1. ECHA sectoral initiative

France Capon, EPMF (Eurometaux presentation)

Context: REACH after last Registration deadline, change in focus



ECHA's activities.....

ECHA's Management Board: strategic workshops and plan 2019-2023

CLP Refit, REACH Review & Refit	Non Toxic Environment	WSSD 2020 (SAICM chemicals)
---------------------------------	-----------------------	-----------------------------

.....Industry REACH activities..... ???

Context: REACH and CLP are case studies

“REACH and CLP are the key EU instruments that help achieving the 2002 Johannesburg World Summit on Sustainable Development’s goal:

“By 2020...chemicals are used and produced in ways that lead to the minimisation of significant adverse effects on human health and the environment”



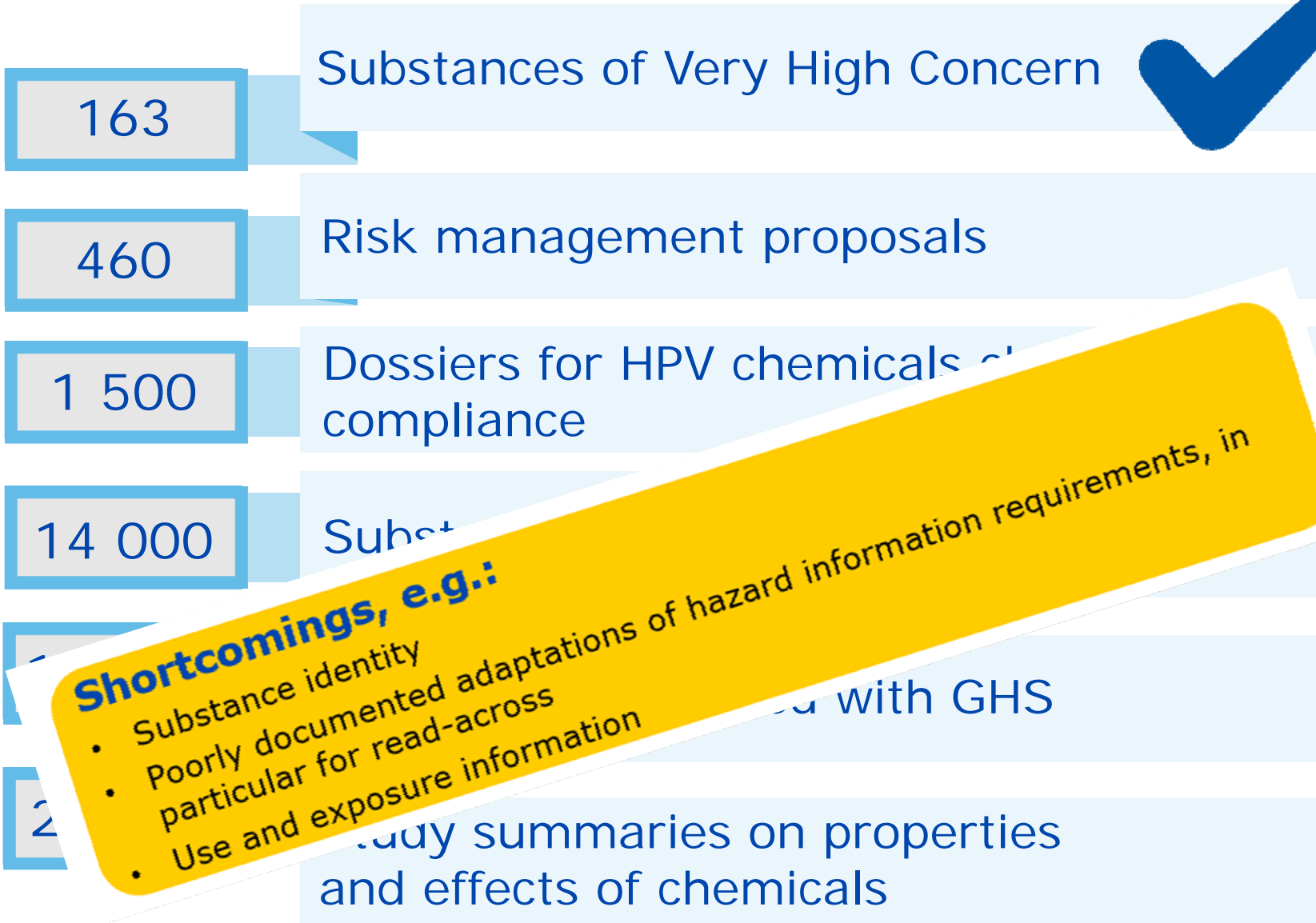
Where are we now?

Key questions:

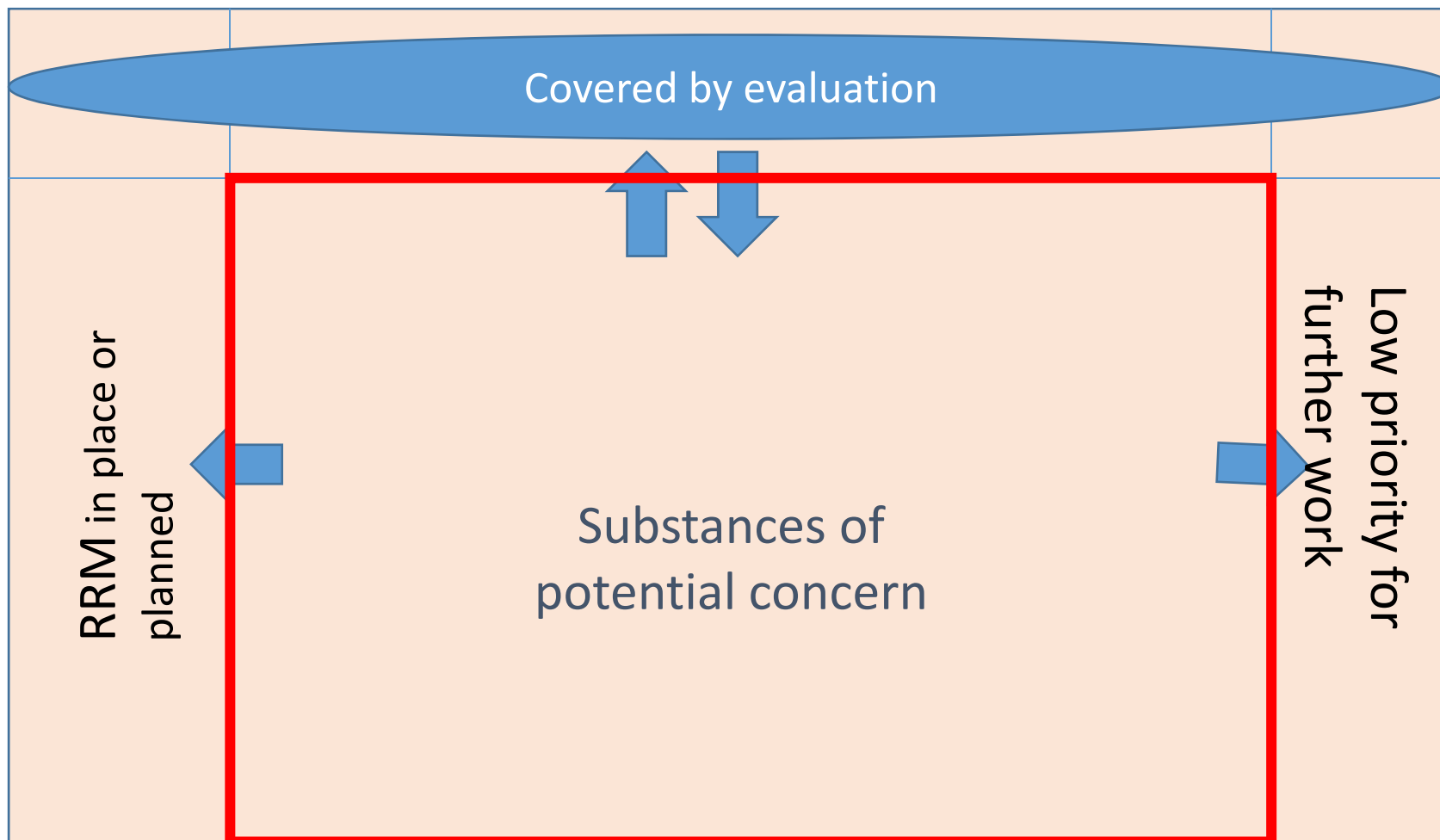
- Data quality and availability
 - do we get the information we need?
- Regulatory risk management
 - do we address substances of concern quick enough?
- Supply chain communication
 - is this information being used by industry?



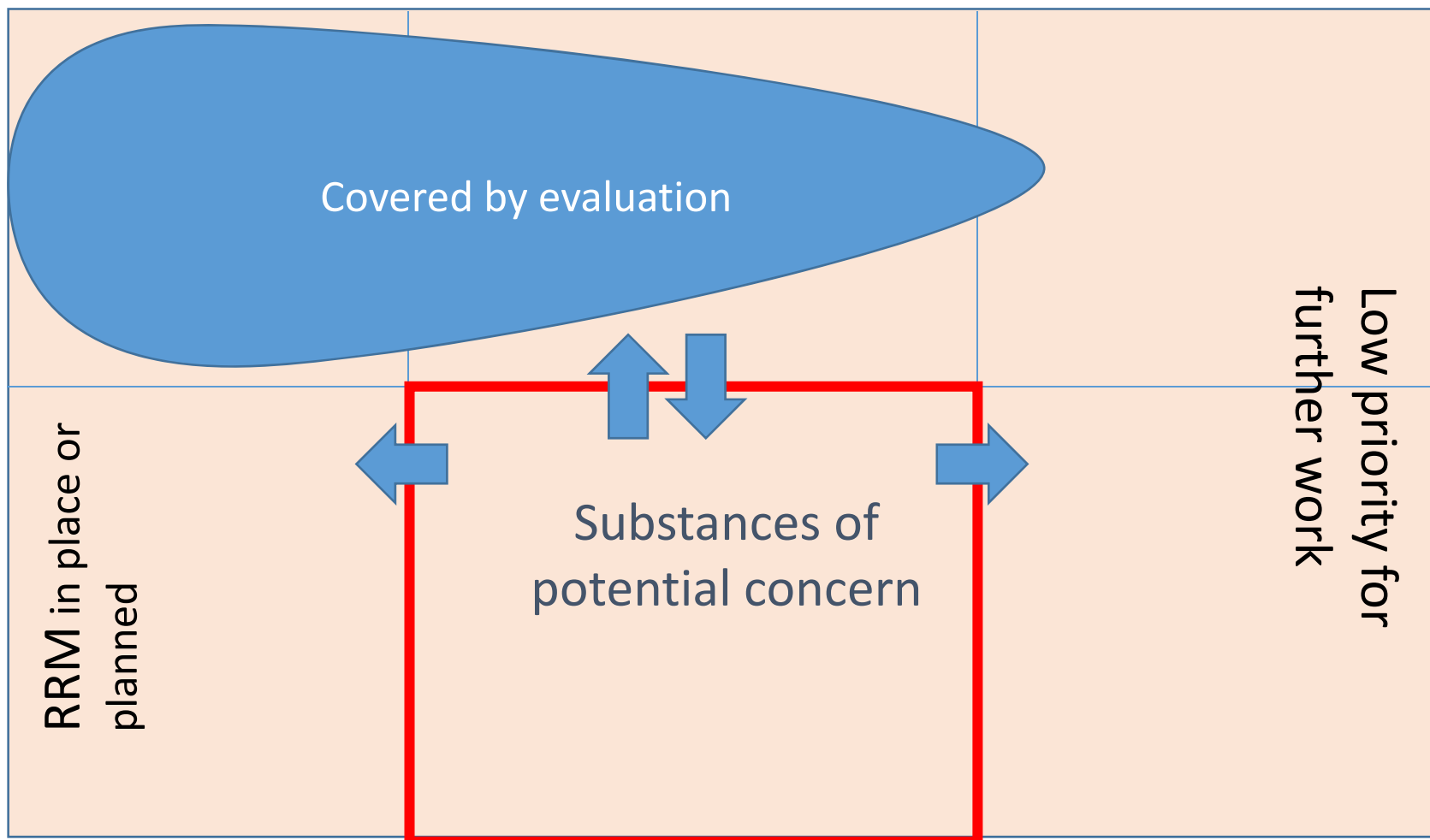
Do we know more on chemicals?



Situation now



Situation: mid term



1) Integration of REACH/CLP processes

- Common prioritisation of “substances that matter most”
- Most suitable REACH/CLP route to address concern

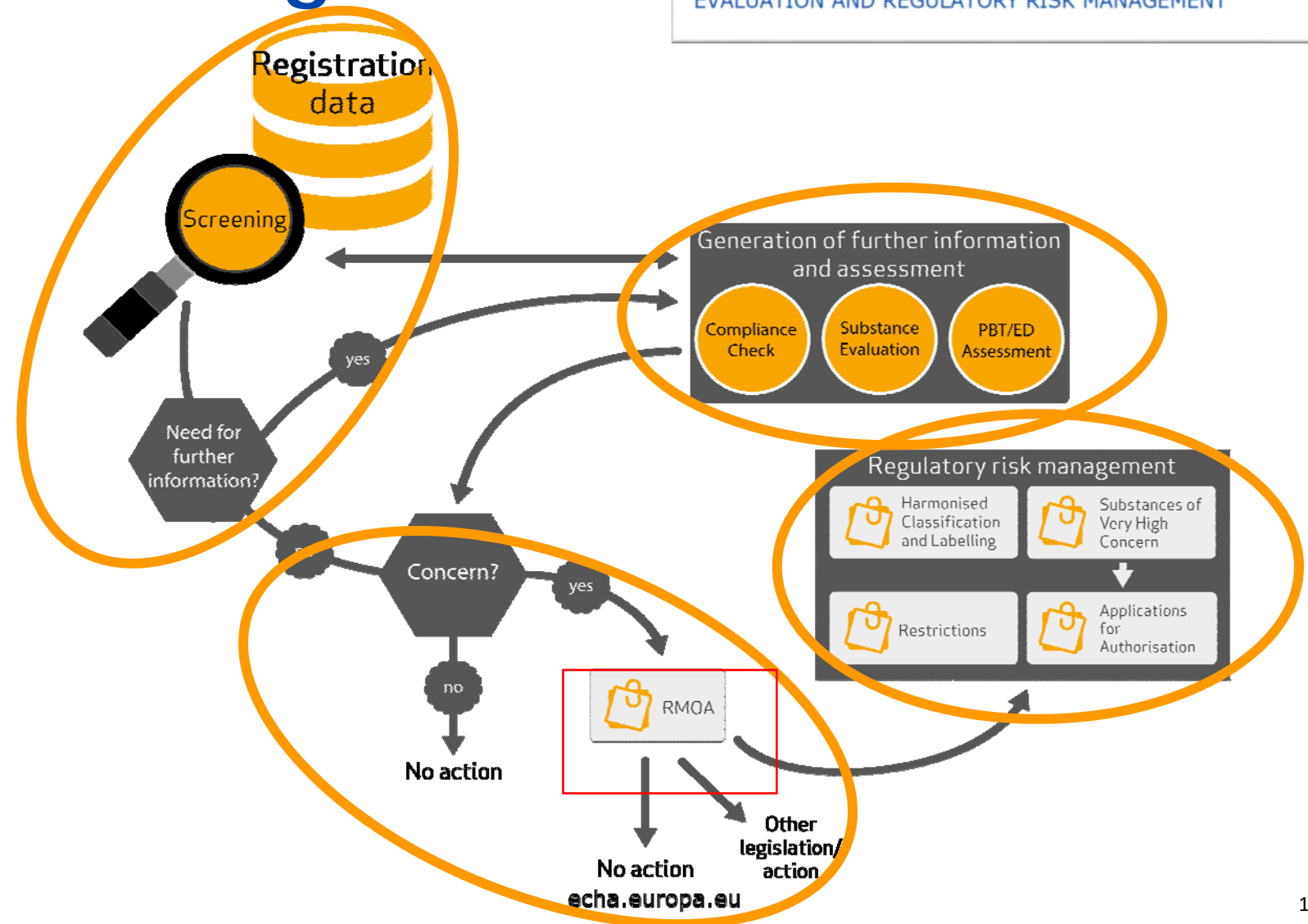
2) Effective use of compliance check (standard info)

- Focus on higher tier endpoints and substance identity
- Better interplay with Substance Evaluation

3) Other concerted measures

- Reinforced completeness
- Complementary measures to ensure that key information is available

Full integration



Objective: “Mapping our chemical universe” KEY slide

Mapping the chemical universe is understood as a categorisation of registered substances into “bins”

<p>No regulatory action</p> <p>Substances for which available data suggest that no regulatory action is needed at present</p>
<p>Information generation required</p> <p>Substances for which there is at present uncertainty regarding the hazardous properties and/or the potential for release to environment or exposure of humans; risk cannot be excluded although it cannot be established based on currently available data</p>
<p>Risk management required</p> <p>Substances for which there is risk and risk management has already been initiated or can be initiated on the basis of currently available data</p>
<p>Low priority substances</p> <p>Substances for which risk is unlikely but they need to be monitored</p>

NEW

In practice ECHA invests...

- In a reflection on their role(s) after 2018
- In CLP Refit and REACH Review/Refit
- In additional drivers and topics
 - New tasks to be entrusted to ECHA (poison centres, endocrine disrupters, Nano-observatory, POPs)
- In **sectorial approaches**
 - Efficiency
 - Better target and address risks
 - Awareness they often go to already regulated substances (e.g. for Substance Evaluation and Compliance Checks)

WORKSHOP OF 29- 30 AUGUST

.....Industry REACH activities.....???



Sector approach for metals

1. **Which (registered) substances** are covered by Eurometaux?
 - What about the other metals registered?
2. How the dossiers were built and the **substances grouped**?
 - Substance similarity? Substance function? Applications? Material use?
3. What's the **quality of the supply chain** coordination and information?
Volumes, uses, use conditions?
4. What's the **availability & quality of the hazard information**?
5. What are the **barriers to updating dossiers**?
6. Is **key info to prioritise/deprioritise** present?

→ Your views on how best achieve the objective?

.....Industry REACH activities.....???

Challenges and opportunities

Opportunities: *common interests*

- Focus on **outstanding concepts** that needs resolution
- Use **resources more efficiently**
- Apply ruling more relevant to metals

ECHA

- More focus and efficiency
- Focus on what matters
- Demonstration of efficacy
- Set substances aside (deprioritisation)
- Easier to work “with” a sector than “against”

Metals sector

- Better recognition of metal **specificities**
- **Deprioritisation** of metals with good registration dossiers
- Resolve **outstanding** conceptual issues
- Prevent **waste of resources** on issues that do not matter
- Focus for consortia activities and resources post 2018



Challenges and opportunities

Challenges

- *'Be in the spotlight'*
- *Need to deliver as:*
 - Deprioritisation = good management of dossiers + risk management
 - ⇒ Dossier maintenance
 - ⇒ Risk Management assessment and documentation
 - ⇒ Communication to ECHA on 'best practices'
 - ⇒ Install a cooperative way of working with ECHA and supply chain
 - ⇒ *REACH tiredness*: 'How much is enough?'
- *Unclear scope: who will benefit? Free-riders?*

**Resources EM,
consortia secretariats
and companies?**



To cooperate or not to cooperate?



- Considering that ECHA:
 - will proceed with the new sectorial strategy,
 - would like to focus on what matters (real priorities according to ACROSS)
 - will deprioritise files that are well managed
- What option do we want to go for?
 - **Option 1: *we cooperate***
 - PROS: more predictable, planning is possible, structural approach to resolve outstanding concepts in a 3-4 years period, potential for deprioritisation
 - CONS: higher workload for REACH Forum but potentially less for consortia/companies
 - **Option 2: *wait and see***
 - PROS: potential lower workload impact for REACH Forum but more for Consortia
 - CONS: less predictable, potential lack of appetite for ECHA to deal with metal strategic issues

Option 1 is recommended but balancing benefits and resources





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6.2. Outcome of the brainstorming meeting (6th October 2016)

France Capon, EPMF

Introduction



Introduction

- Where next for EU Chemicals policy?
 - From registration to risk management: ensuring efficient prioritization and deprioritisation of hazardous substances
 - Promotion by ECHA of a sectoral approach
 - Integration of different EU policies
 - Improvement of available information:
 - Exposure data
 - Use description and better understanding of supply chain (mass flow analysis)
 - Combined toxicity
 - Nanos
 - Regular update of the registration dossiers
 - Endocrine Disruptors
 - International consistency and better collaboration between different regions
 - Increase in Substitution pressure but also support to achieve it when needed
- What is the role of PMC?

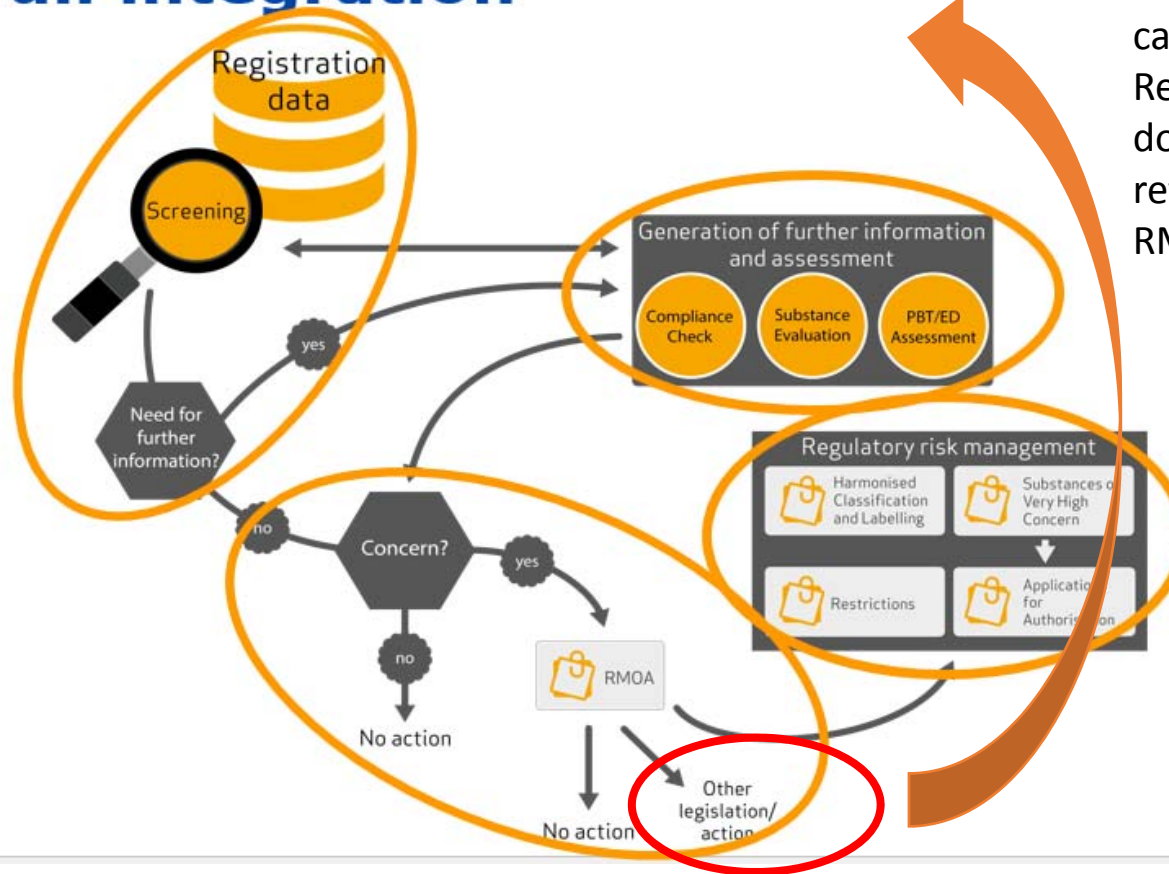
Legal obligations

- Maintenance of the dossier
- Data sharing
- Addressing potential Dossier Evaluation (compliance check initiated by ECHA or implementation of the testing proposals submitted in the registration dossiers)
- Addressing potential Substance Evaluation
- Addressing potential Authorisation
- Addressing potential Restriction
- Addressing potential Harmonization of classification

Link with other EHS policies



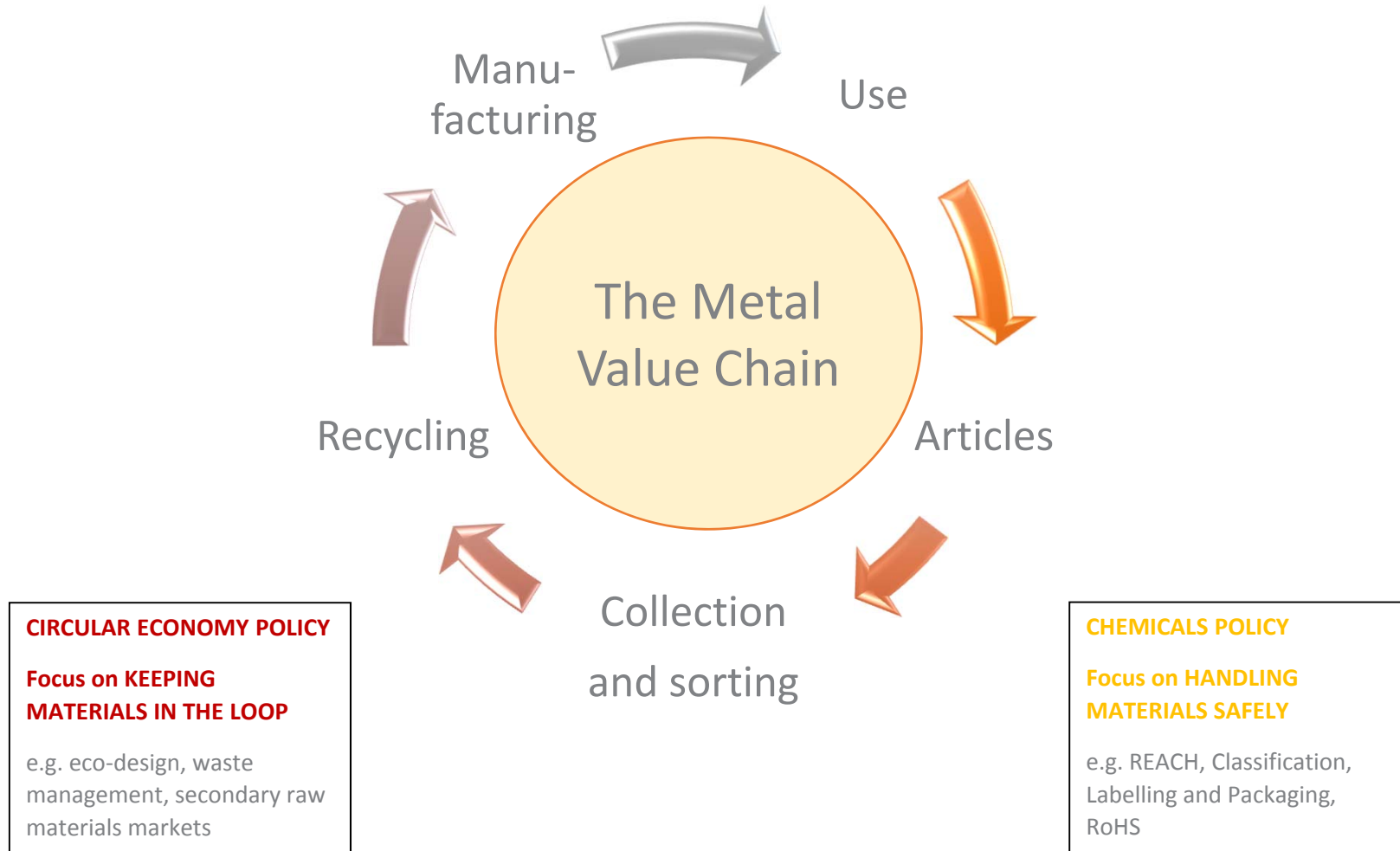
Full integration



N.B.: OELs, EQS or other regulations can require Registration dossiers update to refine RA and RMM



REACH and Circular Economy



Conclusions



2018: beginning of a new REACH chapter in a broader chemicals policy context



Need to review PMC scope and objectives for sake of efficiency and optimization of ongoing efforts



Proactive approach is recommended but balancing risks and benefits, resources and priorities



Synergies between EU policies require synergies between different associations



Need for a long term strategy in Chemicals Management

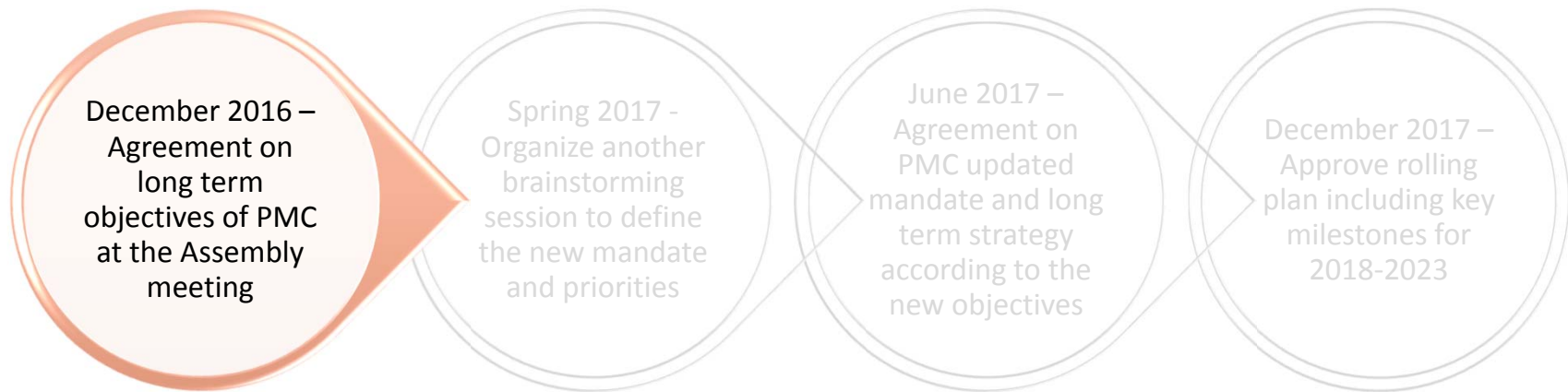


Need to contribute to ECHA Sectorial approach: balancing efforts and benefits

Next steps



Next steps

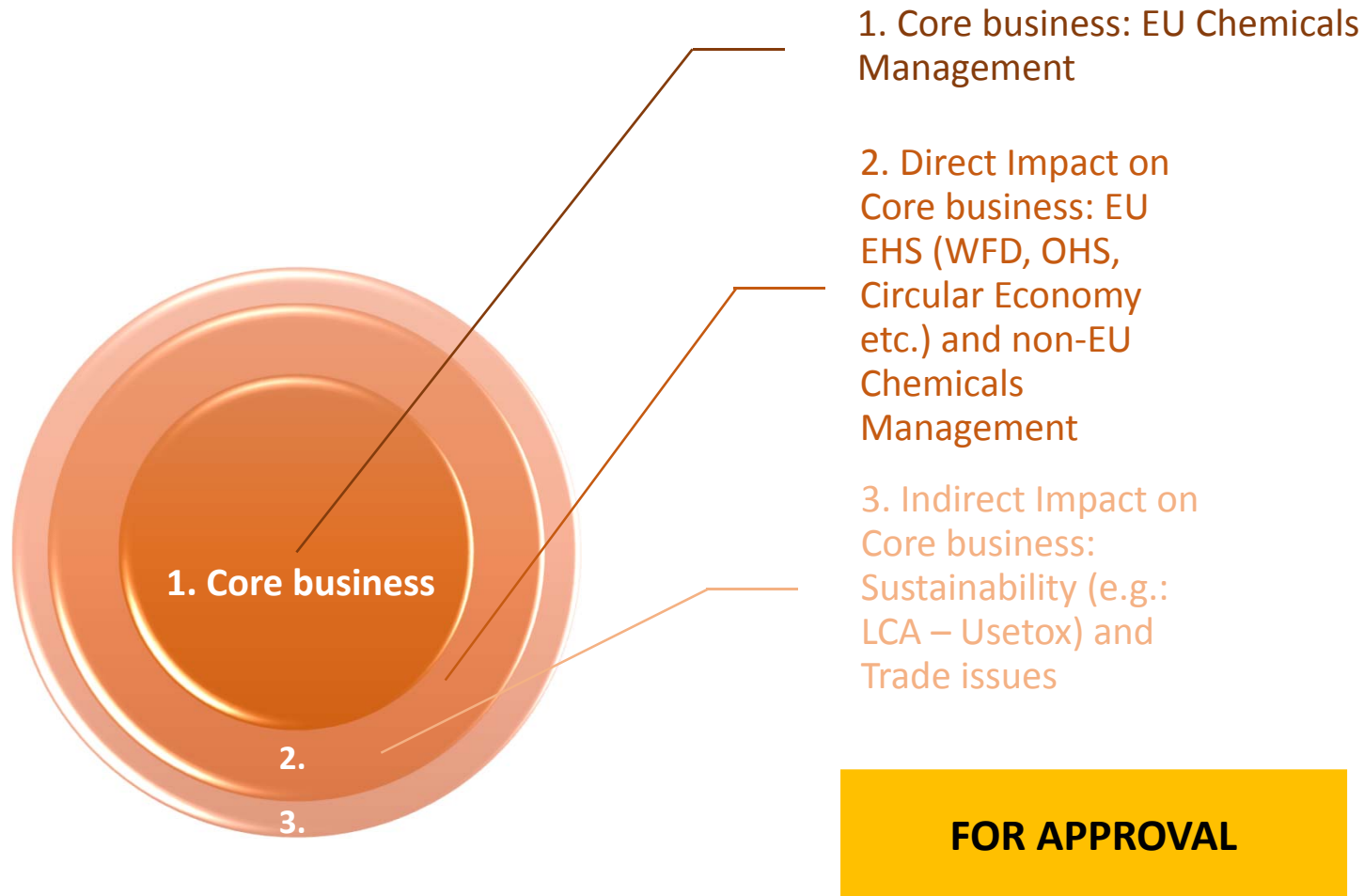


Long term objectives



FOR APPROVAL

PMC Draft mandate





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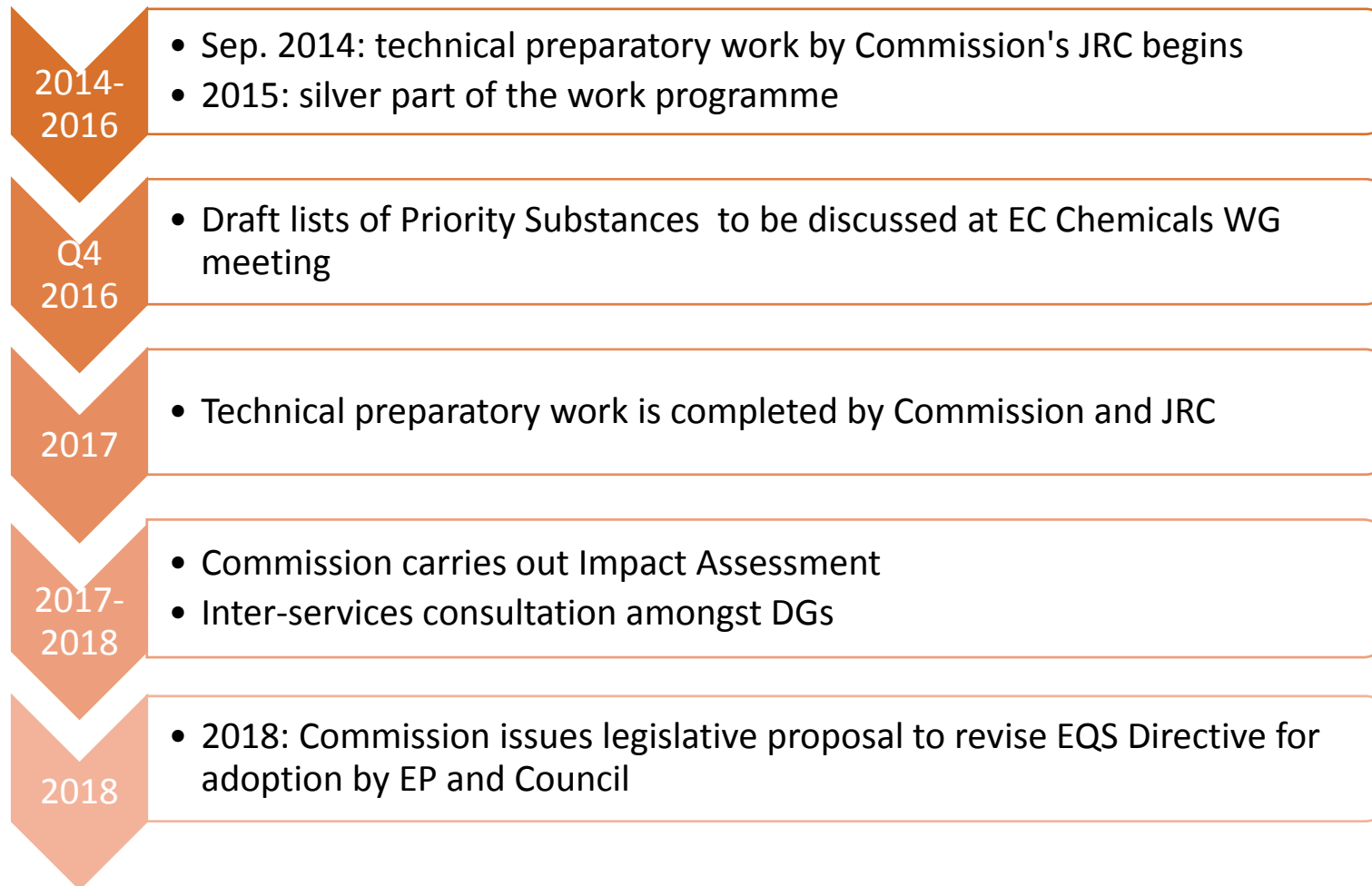
7. Silver Water Framework Directive

France Capon, EPMF

Introduction

- The Joint Research Centre (JRC), together with the Sub-Group on Review (SG-R), is currently conducting a review of the Priority Substances (PS) list under the Water Framework Directive (WFD).
- Silver ranked high and has been put forward by JRC as a potential candidate and is now at risk of prioritisation and Environmental Quality Standard (EQS) derivation at EU level.
- Outcome of EPMF Board meeting: EPMF can cover 10% of the required budget for 2017 while PMC could cover 90% of this budget.
- PMC Management Committee disagreed with this proposal and requested a discussion at Assembly level.

Tentative timeline



Risks and importance for PM industry

- JRC receives further clarification/dissolved data from MS and decides to include them in the monitoring based exercise which increase the risk for silver being prioritized
- The WG Chemicals decides to prioritise silver based on concern rather than on evidence – political decision
- JRC / the SG-R proceed with the silver dossier / EQS derivation regardless of the inclusion of silver in the PS list.
- The derivation of an EQS 5 times (or more) lower than the PNEC included in the registration dossier with all the related consequences on on-site risk management.
- High importance due to:
 - Impact on REACH registration dossier
 - Impact on Risk Management Measures on site which could trigger significant changes for consequent budget
 - Challenge to measure so low concentration limits

Suggested way forward

- The PMC Management Committee assessed the proposal of the EPMF Board to share the budget 10% (EPMF)-90% (PMC) and rejected it.
- EHS issues are not in the mandate of PMC BUT the outcome of the brainstorming session organized in October regarding the future of PMC clearly demonstrates that EHS has very direct impact on chemicals management.
- Critical timing to make a decision regarding extension of PMC mandate
- **The PMC Management Committee recommends to the Assembly to:**
 - **Consider the extension of the scope of PMC to EHS issues which have a direct impact on REACH registration dossiers and chemicals management in general**
 - **To include a budget of 100.000€ in the 2017 PMC budget but under a separate project than the Ag Sub-Assembly budget.**

N.B.: The proposed budget will be mainly allocated to HR (0,5 FTE) and related travels and meetings.

2017 Budget including Ag WFD

	PMC 2017	PMC 2017	PMC 2017
	Budget to be spent	Budget to be invoiced	HR
2.1 Administrative costs	567.250 €	567.250 €	2,2
2.2 Ag-specific costs	897.550 €	862.550 €	1,027
2.3 Au-specific costs	355.200 €	201.200 €	0,1
2.4 PM CN- -specific costs	72.700 €	64.200 €	0,1
2.5.A Platinum-specific costs	763.900 €	738.400 €	0,3
2.5.B Palladium-specific costs	25.200 €	25.200 €	0,1
2.5.C Rhodium-specific costs	171.050 €	153.550 €	0,6
2.5.D Ruthenium-specific costs	501.700 €	435.200 €	0,6
2.5.E Iridium-specific costs	13.850 €	13.850 €	0,1
2.6 Re-specific costs	7.400 €	7.400 €	0,02
2.7 Refinables-specific costs	772.700 €	75.200 €	0,3
2.8 SVHC Roadmap-specific costs	81.250 €	61.250 €	0,5
2.9 Volume per use	50.000 €	50.000 €	
2.10 Ag Water Framework Directive	100.000 €	100.000 €	0,5
TOTAL	4.379.750 €	3.355.250 €	6,447



**Cost sharing: equal share
for companies producing
or impacted by silver EQS**

2017 Indicative invoices including Ag WFD

ID Code	2017 Ag-applicable cost-share per Member incl. Admin costs	2017 Au-applicable cost-share per Member incl. Admin costs	2017 PM CN- - applicable cost-share per Member incl. Admin costs	2017 Pt-applicable cost-share per Member incl. Admin costs	2017 Pd-applicable cost-share per Member incl. Admin costs	2017 Rh-applicable cost-share per Member incl. Admin costs	2017 Ru-applicable cost-share per Member incl. Admin costs	2017 Ir-applicable cost-share per Member incl. Admin costs	2017 Re-applicable cost-share per Member incl. Admin costs	2017 Ref-applicable cost-share per Member incl. Admin costs	2017 SVHC/Roadmap applicable cost-share per Member incl. Admin costs*	2017 Ag-WFD applicable cost-share per Member **	Total amount to be invoiced in 2017
1	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €
2	0,00 €	5.006,40 €	0,00 €	23.889,47 €	1.356,43 €	14.792,03 €	32.545,82 €	3.908,13 €	0,00 €	0,00 €	0,00 €	0,00 €	85.009,66 €
3	12.331,50 €	9.198,07 €	0,00 €	13.380,93 €	1.356,43 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.030,30 €	42.808,63 €
5	38.475,85 €	9.198,07 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	20.801,82 €	3.511,38 €	3.030,30 €	75.017,43 €
6	26.738,45 €	0,00 €	14.183,27 €	13.380,93 €	1.883,32 €	0,00 €	0,00 €	0,00 €	0,00 €	4.302,27 €	3.511,38 €	3.030,30 €	67.029,93 €
7	22.096,05 €	5.006,40 €	11.775,77 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	3.030,30 €	45.419,91 €
8	14.465,74 €	9.198,07 €	4.384,32 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	3.030,30 €	34.589,81 €
9	26.738,45 €	17.835,44 €	0,00 €	45.607,12 €	2.146,77 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	3.030,30 €	98.869,46 €
10	11.931,34 €	5.006,40 €	6.876,29 €	0,00 €	1.356,43 €	14.792,03 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	3.030,30 €	46.504,18 €
11	55.817,36 €	13.643,78 €	14.183,27 €	141.118,06 €	6.533,52 €	66.448,25 €	128.796,06 €	3.908,13 €	0,00 €	18.796,23 €	3.511,38 €	3.030,30 €	455.786,34 €
12	14.465,74 €	9.198,07 €	0,00 €	13.380,93 €	1.356,43 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	0,00 €	41.912,56 €
13	38.475,85 €	5.006,40 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.507,86 €	3.511,38 €	3.030,30 €	53.531,79 €
14	39.010,72 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	3.030,30 €	45.552,41 €
15	155.458,90 €	18.089,48 €	9.368,27 €	152.093,65 €	7.060,41 €	43.499,20 €	163.892,83 €	6.678,13 €	2.179,94 €	8.966,23 €	3.511,38 €	3.030,30 €	573.828,73 €
16	19.134,81 €	5.006,40 €	0,00 €	45.140,07 €	1.606,77 €	30.564,28 €	64.026,56 €	5.293,13 €	0,00 €	8.993,76 €	3.511,38 €	3.030,30 €	186.307,47 €
17	36.476,32 €	9.198,07 €	11.775,77 €	0,00 €	1.356,43 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	3.030,30 €	65.348,28 €
18	12.331,50 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	3.030,30 €	18.873,19 €
19	12.331,50 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	3.030,30 €	18.873,19 €
20	14.465,74 €	9.198,07 €	0,00 €	0,00 €	1.356,43 €	0,00 €	0,00 €	0,00 €	0,00 €	3.504,28 €	3.511,38 €	3.030,30 €	35.066,21 €
21	14.465,74 €	9.198,07 €	0,00 €	13.380,93 €	1.356,43 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	3.030,30 €	44.942,86 €
23	11.931,34 €	5.006,40 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	3.030,30 €	23.479,42 €



2017 Indicative invoices including Ag WFD

ID Code	2017 Ag-applicable cost-share per Member incl. Admin costs	2017 Au-applicable cost-share per Member incl. Admin costs	2017 PM CN - applicable cost-share per Member incl. Admin costs	2017 Pt-applicable cost-share per Member incl. Admin costs	2017 Pd-applicable cost-share per Member incl. Admin costs	2017 Rh-applicable cost-share per Member incl. Admin costs	2017 Ru-applicable cost-share per Member incl. Admin costs	2017 Ir-applicable cost-share per Member incl. Admin costs	2017 Re-applicable cost-share per Member incl. Admin costs	2017 Ref-applicable cost-share per Member incl. Admin costs	2017 SVHC/Roadmap applicable cost-share per Member incl. Admin costs*	2017 Ag-WFD applicable cost-share per Member **	Total amount to be invoiced in 2017
24	11.931,34 €	5.006,40 €	0,00 €	13.380,93 €	1.356,43 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	3.030,30 €	38.216,79 €
25	44.079,96 €	13.897,82 €	0,00 €	88.808,89 €	3.938,42 €	29.145,61 €	114.225,58 €	5.293,13 €	1.388,39 €	15.595,22 €	3.511,38 €	3.030,30 €	322.914,71 €
27	12.331,50 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	3.030,30 €	18.873,19 €
28	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	1.506,67 €	0,00 €	0,00 €	0,00 €	1.506,67 €
29	0,00 €	5.006,40 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	0,00 €	8.517,78 €
30	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	1.051,75 €	0,00 €	0,00 €	0,00 €	1.051,75 €
31	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	930,44 €	0,00 €	0,00 €	0,00 €	930,44 €
32	12.331,50 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.302,27 €	3.511,38 €	3.030,30 €	23.175,46 €
33	19.534,98 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	3.030,30 €	26.076,66 €
34	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.497,14 €	3.511,38 €	0,00 €	7.008,52 €
35	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	1.051,75 €	0,00 €	0,00 €	0,00 €	1.051,75 €
36	12.331,50 €	5.006,40 €	0,00 €	13.380,93 €	1.356,43 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	3.030,30 €	38.616,96 €
39	12.331,50 €	9.198,07 €	0,00 €	13.380,93 €	1.356,43 €	0,00 €	0,00 €	0,00 €	0,00 €	6.674,81 €	3.511,38 €	3.030,30 €	49.483,44 €
40	29.272,85 €	9.198,07 €	6.791,82 €	14.081,50 €	2.383,98 €	0,00 €	0,00 €	0,00 €	0,00 €	10.587,23 €	3.511,38 €	3.030,30 €	78.857,14 €
41	12.331,50 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	3.030,30 €	18.873,19 €
42	0,00 €	5.006,40 €	0,00 €	13.380,93 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	0,00 €	21.898,72 €
43	46.079,49 €	5.006,40 €	0,00 €	13.380,93 €	1.606,77 €	0,00 €	0,00 €	0,00 €	0,00 €	11.087,21 €	3.511,38 €	3.030,30 €	83.702,48 €
44	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €
45	12.331,50 €	5.006,40 €	0,00 €	23.889,47 €	1.606,77 €	14.792,03 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	3.030,30 €	64.167,86 €
46	14.465,74 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	3.030,30 €	21.007,42 €
47	12.331,50 €	5.006,40 €	0,00 €	13.380,93 €	1.356,43 €	14.792,03 €	32.545,82 €	3.908,13 €	1.051,75 €	0,00 €	3.511,38 €	0,00 €	87.884,38 €
48	155.058,73 €	0,00 €	0,00 €	13.380,93 €	1.356,43 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	3.030,30 €	176.337,78 €
49	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €
50	19.935,14 €	0,00 €	0,00 €	87.874,80 €	3.674,98 €	25.557,22 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	3.030,30 €	143.583,82 €
51	24.203,61 €	5.006,40 €	0,00 €	24.123,00 €	1.619,88 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	3.030,30 €	61.494,57 €
TPR 1									1.267,08 €				1.267,08 €
TOTAL	1.028.025,25 €	216.338,78 €	79.338,78 €	793.816,33 €	50.338,78 €	254.382,67 €	536.032,67 €	28.988,78 €	10.427,76 €	120.616,33 €	136.943,89 €	100.000,00 €	3.355.250,00 €

* SVHC Costs shared between all Sub-Assemblies but Re-Sub assembly

** Ag WFD Costs only shared between Ag producers





Precious Metals
Consortium

8. PMC Workplan 2017-2019

France Capon, EPMF

8.1 2017 Budget and HR: for approval (1)

	PMC 2017 Budget to be spent	PMC 2017 Budget to be invoiced	PMC 2017 HR
2.1 Administrative costs	567.250 €	567.250 €	2,2
2.1.1 Salaries and salary-related costs	285.750 €	285.750 €	
2.1.2 Office costs	65.000 €	65.000 €	
2.1.3 Meeting, travel and accommodation costs	55.000 €	55.000 €	
2.1.4 External costs	161.500 €	161.500 €	
2.2 Ag-specific costs	897.550 €	862.550 €	1,027
2.2.1 Ag REACH registration	0 €	0 €	
2.2.2 Ag REACH dossier maintenance	111.000 €	111.000 €	
2.2.3 Ag REACH evaluation	594.500 €	594.500 €	
2.2.4 Ag REACH classification & labelling	50.000 €	15.000 €	
2.2.5 Ag REACH authorisation (<i>not relevant</i>)	0 €	0 €	
2.2.6 Ag internal and external fixed Scientific Managers	142.050 €	142.050 €	
2.2.7 Ag Building reserves	0 €	0 €	
2.3 Au-specific costs	355.200 €	201.200 €	0,1
2.3.1 Au REACH registration	275.000 €	121.000 €	
2.3.2 Au REACH dossier maintenance	5.000 €	5.000 €	
2.3.3 Au REACH evaluation	0 €	0 €	
2.3.4 Au REACH classification & labelling (<i>not relevant</i>)	0 €	0 €	
2.3.5 Au REACH authorisation (<i>not relevant</i>)	0 €	0 €	
2.3.6 Au internal and external fixed Scientific Manager	14.200 €	14.200 €	
2.3.7 Au Building reserves	61.000 €	61.000 €	
2.4 PM CN- specific costs	72.700 €	64.200 €	0,1
2.4.1 PM CN- REACH registration	16.500 €	8.000 €	
2.4.2 PM CN- REACH dossier maintenance	5.000 €	5.000 €	
2.4.3 PM CN- REACH evaluation	2.000 €	2.000 €	
2.4.4 PM CN- REACH classification & labelling	0 €	0 €	
2.4.5 PM CN- REACH authorisation (<i>not relevant</i>)	0 €	0 €	
2.4.6 PM CN internal and external fixed Scientific Manager	14.200 €	14.200 €	
2.4.7 PM CN Building reserves	35.000 €	35.000 €	



8.1 2017 Budget and HR: for approval (2)

	PMC 2017 Budget to be spent	PMC 2017 Budget to be invoiced	PMC 2017 HR
2.5.A Platinum-specific costs	763.900 €	738.400 €	0,3
2.5.A.1 Pt REACH registration	325.650 €	310.150 €	
2.5.A.2 Pt REACH dossier maintenance	0 €	0 €	
2.5.A.3 Pt REACH evaluation	10.000 €	10.000 €	
2.5.A.4 Pt REACH classification & labelling	0 €	0 €	
2.5.A.5 Pt REACH authorisation	10.000 €	0 €	
2.5.A.6 Pt internal and external fixed Scientific Managers	40.250 €	40.250 €	
2.5.A.7 Pt Building reserves	378.000 €	378.000 €	
2.5.B Palladium-specific costs	25.200 €	25.200 €	0,1
2.5.B.1 Pd REACH registration	10.000 €	10.000 €	
2.5.B.2 Pd REACH dossier maintenance	1.000 €	1.000 €	
2.5.B.3 Pd REACH evaluation	0 €	0 €	
2.5.B.4 Pd REACH classification & labelling	0 €	0 €	
2.5.B.5 Pd REACH authorisation	0 €	0 €	
2.5.B.6 Pd internal and external fixed Scientific Managers	14.200 €	14.200 €	
2.5.B.7 Pd Building reserves	0 €	0 €	
2.5.B.8 Chloropalladates	0 €	0 €	
2.5.C Rhodium-specific costs	171.050 €	153.550 €	0,6
2.5.C.1 Rh REACH registration	90.550 €	73.050 €	
2.5.C.2 Rh REACH dossier maintenance	0 €	0 €	
2.5.C.3 Rh REACH evaluation	0 €	0 €	
2.5.C.4 Rh REACH classification & labelling	0 €	0 €	
2.5.C.5 Rh REACH authorisation	0 €	0 €	
2.5.C.6 Rh internal and external fixed Scientific Managers	80.500 €	80.500 €	
2.5.C.7 Rh Building reserves	0 €	0 €	
2.5.D Ruthenium-specific costs	501.700 €	435.200 €	0,6
2.5.D.1 Ru REACH registration	183.550 €	117.050 €	
2.5.D.2 Ru REACH dossier maintenance	0 €	0 €	
2.5.D.3 Ru REACH evaluation	0 €	0 €	
2.5.D.4 Ru REACH classification & labelling	0 €	0 €	
2.5.D.5 Ru REACH authorisation	0 €	0 €	
2.5.D.6 Ru internal and external fixed Scientific Managers	78.150 €	78.150 €	
2.5.D.7 Ru Building reserves	240.000 €	240.000 €	



8.1 2017 Budget and HR: for approval (3)

	PMC 2017 Budget to be spent	PMC 2017 Budget to be invoiced	PMC 2017 HR
2.5.E Iridium-specific costs	13.850 €	13.850 €	0,1
2.5.E.1 Ir REACH registration	0 €	0 €	
2.5.E.2 Ir REACH dossier maintenance	2.000 €	2.000 €	
2.5.E.3 Ir REACH evaluation	0 €	0 €	
2.5.E.4 Ir REACH classification & labelling	0 €	0 €	
2.5.E.5 Ir REACH authorisation	0 €	0 €	
2.5.E.6 Ir internal and external fixed Scientific Managers	11.850 €	11.850 €	
2.5.E.7 Ir Building reserves	0 €	0 €	
2.6 Re-specific costs	7.400 €	7.400 €	0,02
2.6.1 Re REACH registration	0 €	0 €	
2.6.2 Re REACH dossier maintenance	7.400 €	7.400 €	
2.6.3 Re REACH evaluation (<i>not relevant</i>)	0 €	0 €	
2.6.4 Re REACH classification & labelling	0 €	0 €	
2.6.5 Re REACH authorisation (<i>not relevant</i>)	0 €	0 €	
2.6.6 Re internal and external fixed Scientific Manager	0 €	0 €	
2.6.7 Re Building reserves	0 €	0 €	
2.7 Refinables-specific costs	772.700 €	75.200 €	0,3
2.7.1 Refinables REACH registration	0 €	0 €	
2.7.2 Refinables REACH dossier maintenance	701.500 €	4.000 €	
2.7.3 Refinables REACH evaluation	0 €	0 €	
2.7.4 Refinables REACH classification & labelling	0 €	0 €	
2.7.5 Refinables REACH authorisation	0 €	0 €	
2.7.6 Refinables internal and external fixed Scientific Manager	49.200 €	49.200 €	
2.7.7 Refinables Building reserves	22.000 €	22.000 €	
2.8 SVHC Roadmap-specific costs	81.250 €	61.250 €	0,5
2.8.1 Authorisation work programme	10.000 €	0 €	
2.8.2 Monitoring and advocacy	0 €	0 €	
2.8.3 Prioritization on authorisation	10.000 €	0 €	
2.8.4 Internal Regulatory Affairs Manager	61.250 €	61.250 €	
2.9 Volume per use	50.000 €	50.000 €	
TOTAL	4.279.750 €	3.255.250 €	5,947

8.1 2017 Budget and HR: Building reserves

		2017 Budget to be spent	2017 Budget to be invoiced		"Real" Reserves left by 31/12/2016	Minimum reserves to be kept in house*	Reserves to be built in 2017 budget	Reserves to be built in 2017 budget?
			Project	Reserves building				
2.1	Administrative costs	567.250	567.250	0	254.855	€ 167.412	€ 87.443	No additional reserves to be built
2.2	Ag-specific costs	897.550	862.550	0	347.173	265.739,70	€ 81.434	No additional reserves to be built
2.3	Au-specific costs	355.200	140.200	61.000	25.235	86.181,15	€ -60.946	Additional reserves to be built
2.4	PM CN- -specific costs	72.700	29.200	35.000	77.289	111.453,45	€ -34.165	Additional reserves to be built
2.5a	Pt-specific costs	763.900	360.400	378.000	-229.612	148.064,55	€ -377.677	Additional reserves to be built
2.5b	Pd-specific costs	25.200	25.200	0	449.705	154.905,23	€ 294.800	No additional reserves to be built
2.5c	Rh-specific costs	171.050	153.550	0	208.835	144.593,25	€ 64.241	No additional reserves to be built
2.5d	Ru-specific costs	501.700	195.200	240.000	-95.224	144.482,55	€ -239.707	Additional reserves to be built
2.5e	Ir-specific costs	13.850	13.850	0	42.848	32.852,48	€ 9.996	No additional reserves to be built
2.6	Re-specific costs	7.400	7.400	0	189.468	34.174,20	€ 155.293	No additional reserves to be built
2.7	Refinables-specific costs	772.700	750.700	22.000	146.403	168.190,05	€ -21.787	Additional reserves to be built
2.8	SVHC Roadmap-specific costs	91.250	61.250	0				
2.9	Volume per use	50.000	50.000	0				
	Hydrazine-specific costs							
	TOTAL	4.289.750	3.216.750	736.000	1.416.974	1.458.049	-734.281	

* = total dossier costs X 7,5 % for all projects but Re. For Re it is total dossier costs X 5%)



8.1. 2017 Budget and HR: Cost sharing silver sub-Assembly 2017

- In 2015, it was decided to
 - Apply a weighting factor of 5000 in 2016 by decision of the Assembly for the cost sharing of silver sub-Assembly
 - Review the situation on a yearly basis
- 2017: it is proposed to:
 - Apply a weighting factor of 5000 by decision of the Assembly for the cost sharing of silver sub-Assembly
 - Review the situation on a yearly basis

FOR APPROVAL

8.1 2017 indicative invoices

ID Code	2017 Ag-applicable cost-share per Member <i>incl. Admin costs</i>	2017 Au-applicable cost-share per Member <i>incl. Admin costs</i>	2017 PM CN- - applicable cost-share per Member <i>incl. Admin costs</i>	2017 Pt-applicable cost-share per Member <i>incl. Admin costs</i>	2017 Pd-applicable cost-share per Member <i>incl. Admin costs</i>	2017 Rh-applicable cost-share per Member <i>incl. Admin costs</i>	2017 Ru-applicable cost-share per Member <i>incl. Admin costs</i>	2017 Ir-applicable cost-share per Member <i>incl. Admin costs</i>	2017 Re-applicable cost-share per Member <i>incl. Admin costs</i>	2017 Ref-applicable cost-share per Member <i>incl. Admin costs</i>	2017 SVHC/Roadmap-applicable cost-share per Member <i>incl. Admin costs*</i>	Total amount to be invoiced in 2017
1	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €
2	0,00 €	5.006,40 €	0,00 €	23.889,47 €	1.356,43 €	14.792,03 €	32.545,82 €	3.908,13 €	0,00 €	0,00 €	3.511,38 €	85.009,66 €
3	12.331,50 €	9.198,07 €	0,00 €	13.380,93 €	1.356,43 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	39.778,32 €
5	38.475,85 €	9.198,07 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	20.801,82 €	3.511,38 €	71.987,12 €
6	26.738,45 €	0,00 €	14.183,27 €	13.380,93 €	1.883,32 €	0,00 €	0,00 €	0,00 €	0,00 €	4.302,27 €	3.511,38 €	63.999,63 €
7	22.096,05 €	5.006,40 €	11.775,77 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	42.389,61 €
8	14.465,74 €	9.198,07 €	4.384,32 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	31.559,51 €
9	26.738,45 €	17.835,44 €	0,00 €	45.607,12 €	2.146,77 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	95.839,16 €
10	11.931,34 €	5.006,40 €	6.876,29 €	0,00 €	1.356,43 €	14.792,03 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	43.473,87 €
11	55.817,36 €	13.643,78 €	14.183,27 €	141.118,06 €	6.533,52 €	66.448,25 €	128.796,06 €	3.908,13 €	0,00 €	18.796,23 €	3.511,38 €	452.756,04 €
12	14.465,74 €	9.198,07 €	0,00 €	13.380,93 €	1.356,43 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	41.912,56 €
13	38.475,85 €	5.006,40 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.507,86 €	3.511,38 €	50.501,49 €
14	39.010,72 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	42.522,10 €
15	155.458,90 €	18.089,48 €	9.368,27 €	152.093,65 €	7.060,41 €	43.499,20 €	163.892,83 €	6.678,13 €	2.179,94 €	8.966,23 €	3.511,38 €	570.798,43 €
16	19.134,81 €	5.006,40 €	0,00 €	45.140,07 €	1.606,77 €	30.564,28 €	64.026,56 €	5.293,13 €	0,00 €	8.993,76 €	3.511,38 €	183.277,16 €
17	36.476,32 €	9.198,07 €	11.775,77 €	0,00 €	1.356,43 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	62.317,97 €
18	12.331,50 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	15.842,89 €
19	12.331,50 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	15.842,89 €
20	14.465,74 €	9.198,07 €	0,00 €	0,00 €	1.356,43 €	0,00 €	0,00 €	0,00 €	0,00 €	3.504,28 €	3.511,38 €	32.035,90 €
21	14.465,74 €	9.198,07 €	0,00 €	13.380,93 €	1.356,43 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	41.912,56 €
23	11.931,34 €	5.006,40 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	20.449,12 €



8.1 2017 indicative invoices

ID Code	2017 Ag-applicable cost-share per Member incl. Admin costs	2017 Au-applicable cost-share per Member incl. Admin costs	2017 PM CN- - applicable cost-share per Member incl. Admin costs	2017 Pt-applicable cost-share per Member incl. Admin costs	2017 Pd-applicable cost-share per Member incl. Admin costs	2017 Rh-applicable cost-share per Member incl. Admin costs	2017 Ru-applicable cost-share per Member incl. Admin costs	2017 Ir-applicable cost-share per Member incl. Admin costs	2017 Re-applicable cost-share per Member incl. Admin costs	2017 Ref-applicable cost-share per Member incl. Admin costs	2017 SVHC/Roadmap-applicable cost-share per Member incl. Admin costs*	Total amount to be invoiced in 2017
24	11.931,34 €	5.006,40 €	0,00 €	13.380,93 €	1.356,43 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	35.186,49 €
25	44.079,96 €	13.897,82 €	0,00 €	88.808,89 €	3.938,42 €	29.145,61 €	114.225,58 €	5.293,13 €	1.388,39 €	15.595,22 €	3.511,38 €	319.884,40 €
27	12.331,50 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	15.842,89 €
28	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	1.506,67 €	0,00 €	0,00 €	1.506,67 €
29	0,00 €	5.006,40 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	8.517,78 €
30	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	1.051,75 €	0,00 €	0,00 €	1.051,75 €
31	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	930,44 €	0,00 €	0,00 €	930,44 €
32	12.331,50 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.302,27 €	3.511,38 €	20.145,16 €
33	19.534,98 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	23.046,36 €
34	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.497,14 €	3.511,38 €	7.008,52 €
35	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	1.051,75 €	0,00 €	0,00 €	1.051,75 €
36	12.331,50 €	5.006,40 €	0,00 €	13.380,93 €	1.356,43 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	35.586,66 €
39	12.331,50 €	9.198,07 €	0,00 €	13.380,93 €	1.356,43 €	0,00 €	0,00 €	0,00 €	0,00 €	6.674,81 €	3.511,38 €	46.453,14 €
40	29.272,85 €	9.198,07 €	6.791,82 €	14.081,50 €	2.383,98 €	0,00 €	0,00 €	0,00 €	0,00 €	10.587,23 €	3.511,38 €	75.826,83 €
41	12.331,50 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	15.842,89 €
42	0,00 €	5.006,40 €	0,00 €	13.380,93 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	21.898,72 €
43	46.079,49 €	5.006,40 €	0,00 €	13.380,93 €	1.606,77 €	0,00 €	0,00 €	0,00 €	0,00 €	11.087,21 €	3.511,38 €	80.672,18 €
44	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €
45	12.331,50 €	5.006,40 €	0,00 €	23.889,47 €	1.606,77 €	14.792,03 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	61.137,55 €
46	14.465,74 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	17.977,12 €
47	12.331,50 €	5.006,40 €	0,00 €	13.380,93 €	1.356,43 €	14.792,03 €	32.545,82 €	3.908,13 €	1.051,75 €	0,00 €	3.511,38 €	87.884,38 €
48	155.058,73 €	0,00 €	0,00 €	13.380,93 €	1.356,43 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	173.307,48 €
49	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €
50	19.935,14 €	0,00 €	0,00 €	87.874,80 €	3.674,98 €	25.557,22 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	140.553,52 €
51	24.203,61 €	5.006,40 €	0,00 €	24.123,00 €	1.619,88 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.511,38 €	58.464,27 €
TPR 1									1.267,08 €			1.267,08 €
TOTAL	1.028.025,25 €	216.338,78 €	79.338,78 €	793.816,33 €	50.338,78 €	254.382,67 €	536.032,67 €	28.988,78 €	10.427,76 €	120.616,33 €	136.943,89 €	3.255.250,00 €

* SVHC Costs shared between all Sub-Assemblies but Re-Sub assembly



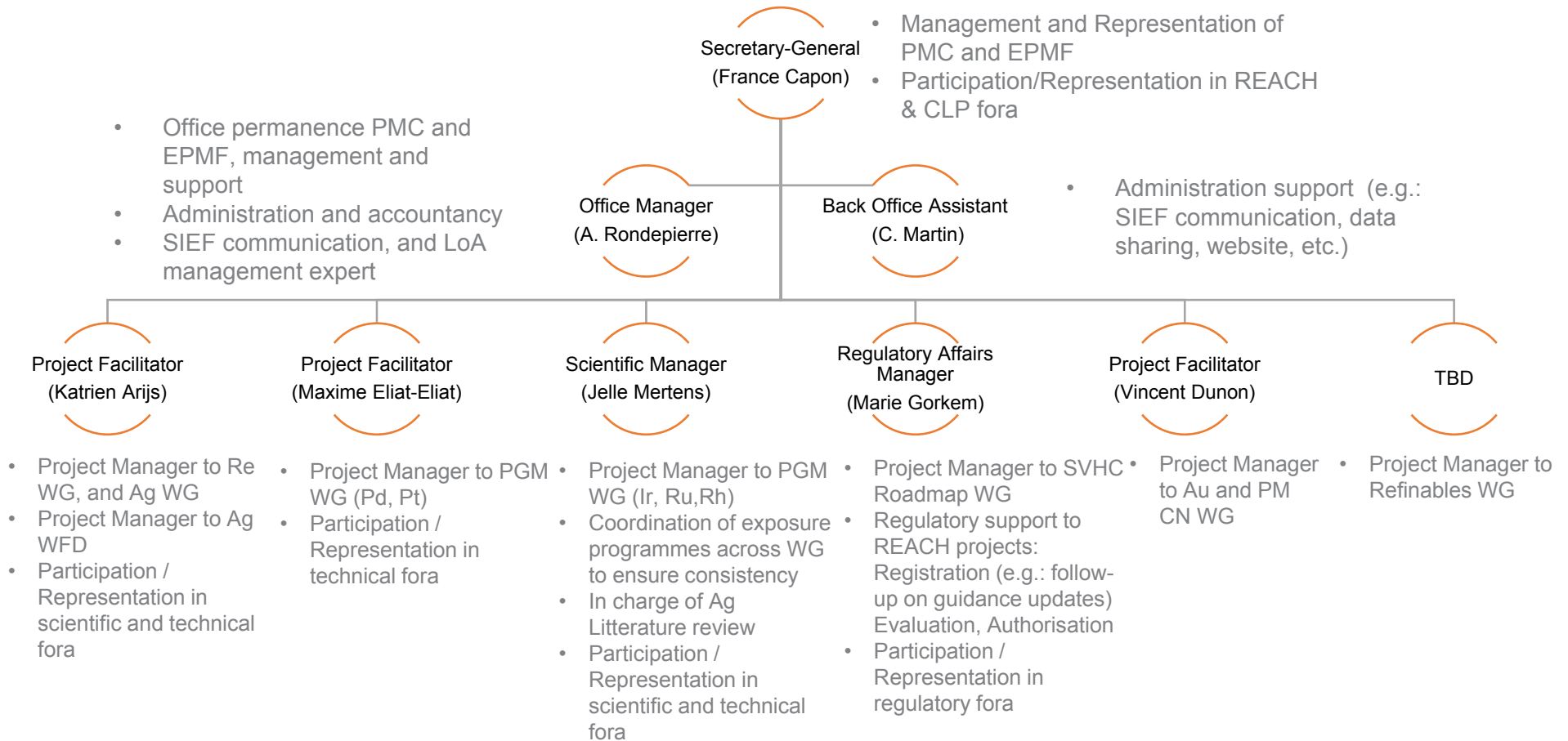
8.1 2017 Budget including Ag WFD

	PMC 2017	PMC 2017	PMC 2017
	Budget to be spent	Budget to be invoiced	HR
2.1 Administrative costs	567.250 €	567.250 €	2,2
2.2 Ag-specific costs	897.550 €	862.550 €	1,027
2.3 Au-specific costs	355.200 €	201.200 €	0,1
2.4 PM CN- -specific costs	72.700 €	64.200 €	0,1
2.5.A Platinum-specific costs	763.900 €	738.400 €	0,3
2.5.B Palladium-specific costs	25.200 €	25.200 €	0,1
2.5.C Rhodium-specific costs	171.050 €	153.550 €	0,6
2.5.D Ruthenium-specific costs	501.700 €	435.200 €	0,6
2.5.E Iridium-specific costs	13.850 €	13.850 €	0,1
2.6 Re-specific costs	7.400 €	7.400 €	0,02
2.7 Refinables-specific costs	772.700 €	75.200 €	0,3
2.8 SVHC Roadmap-specific costs	81.250 €	61.250 €	0,5
2.9 Volume per use	50.000 €	50.000 €	
2.10 Ag Water Framework Directive	100.000 €	100.000 €	0,5
TOTAL	4.379.750 €	3.355.250 €	6,447

FOR APPROVAL



8.1. 2017 Organigramme



8.2 2018-2019 forecast: for information

	PMC 2018 Budget to be spent	PMC 2018 Budget to be invoiced	PMC 2018 HR	PMC 2019 Budget to be spent	PMC 2019 Budget to be invoiced	PMC 2019 HR
2.1 Administrative costs	572.550 €	572.550 €	2,2	612.000 €	612.000 €	2
2.1.1 Salaries and salary-related costs	290.750 €	290.750 €		289.500 €	289.500 €	
2.1.2 Office costs	65.000 €	65.000 €		65.000 €	65.000 €	
2.1.3 Meeting, travel and accommodation costs	55.000 €	55.000 €		55.000 €	55.000 €	
2.1.4 External costs	161.800 €	161.800 €		202.500 €	202.500 €	
2.2 Ag-specific costs	1.526.555 €	1.251.555 €	1	350.647 €	350.647 €	0,5
2.2.1 Ag REACH registration	0 €	0 €		0 €	0 €	
2.2.2 Ag REACH dossier maintenance	893.000 €	893.000 €		263.000 €	263.000 €	
2.2.3 Ag REACH evaluation	495.000 €	220.000 €		10.000 €	10.000 €	
2.2.4 Ag REACH classification & labelling	5.000 €	5.000 €		5.000 €	5.000 €	
2.2.5 Ag REACH authorisation (<i>not relevant</i>)	0 €	0 €	0	0 €	0 €	
2.2.6 Ag internal and external fixed Scientific Managers	133.555 €	133.555 €		72.647 €	72.647 €	
2.2.7 Ag Building reserves						
2.3 Au-specific costs	170.524 €	170.524 €	0,1	165.529 €	165.529 €	0,1
2.3.1 Au REACH registration	0 €	0 €		0 €	0 €	
2.3.2 Au REACH dossier maintenance	156.000 €	156.000 €		151.000 €	151.000 €	
2.3.3 Au REACH evaluation	0 €	0 €		0 €	0 €	
2.3.4 Au REACH classification & labelling (<i>not relevant</i>)	0 €	0 €		0 €	0 €	
2.3.5 Au REACH authorisation (<i>not relevant</i>)	0 €	0 €		0 €	0 €	
2.3.6 Au internal and external fixed Scientific Manager	14.524 €	14.524 €		14.529 €	14.529 €	
2.3.7 Au Building reserves						
2.4 PM CN- -specific costs	225.345 €	225.345 €	0,4	181.309 €	181.309 €	0,2
2.4.1 PM CN- REACH registration	0 €	0 €		0 €	0 €	
2.4.2 PM CN- REACH dossier maintenance	167.250 €	167.250 €		152.250 €	152.250 €	
2.4.3 PM CN- REACH evaluation	0 €	0 €		0 €	0 €	
2.4.4 PM CN- REACH classification & labelling	0 €	0 €		0 €	0 €	
2.4.5 PM CN- REACH authorisation (<i>not relevant</i>)	0 €	0 €		0 €	0 €	
2.4.6 PM CN internal and external fixed Scientific Manager	58.095 €	58.095 €		29.059 €	29.059 €	
2.4.7 PM CN Building reserves						



8.2 2018-2019 forecast: for information

	PMC 2018 Budget to be spent	PMC 2018 Budget to be invoiced	PMC 2018 HR	PMC 2019 Budget to be spent	PMC 2019 Budget to be invoiced	PMC 2019 HR
2.5.A Platinum-specific costs	281.621 €	281.621 €	0,4	1.263.618 €	1.263.618 €	0,6
2.5.A.1 Pt REACH registration	0 €	0 €		0 €	0 €	
2.5.A.2 Pt REACH dossier maintenance	226.000 €	226.000 €		1.181.000 €	1.181.000 €	
2.5.A.3 Pt REACH evaluation	0 €	0 €		0 €	0 €	
2.5.A.4 Pt REACH classification & labelling	0 €	0 €		0 €	0 €	
2.5.A.5 Pt REACH authorisation	0 €	0 €		0 €	0 €	
2.5.A.6 Pt internal and external fixed Scientific Managers	55.621 €	55.621 €		82.618 €	82.618 €	
2.5.A.7 Pt Building reserves						
2.5.B Palladium-specific costs	574.095 €	574.095 €	0,4	362.309 €	362.309 €	0,3
2.5.B.1 Pd REACH registration	0 €	0 €		0 €	0 €	
2.5.B.2 Pd REACH dossier maintenance	516.000 €	516.000 €	0	321.000 €	321.000 €	
2.5.B.3 Pd REACH evaluation	0 €	0 €		0 €	0 €	
2.5.B.4 Pd REACH classification & labelling	0 €	0 €		0 €	0 €	
2.5.B.5 Pd REACH authorisation	0 €	0 €		0 €	0 €	
2.5.B.6 Pd internal and external fixed Scientific Managers	58.095 €	58.095 €		41.309 €	41.309 €	
2.5.B.7 Pd Building reserves						
2.5.B.8 Chloropalladates						
2.5.C Rhodium-specific costs	334.624 €	334.624 €	0,3	267.750 €	267.750 €	0,3
2.5.C.1 Rh REACH registration	0 €	0 €		0 €	0 €	
2.5.C.2 Rh REACH dossier maintenance	1.000 €	1.000 €		1.000 €	1.000 €	
2.5.C.3 Rh REACH evaluation	0 €	0 €		0 €	0 €	
2.5.C.4 Rh REACH classification & labelling	0 €	0 €		0 €	0 €	
2.5.C.5 Rh REACH authorisation	0 €	0 €		0 €	0 €	
2.5.C.6 Rh internal and external fixed Scientific Managers	38.624 €	38.624 €		36.750 €	36.750 €	
2.5.C.7 Rh Building reserves						
2.5.D Ruthenium-specific costs	236.674 €	236.674 €	0,4	112.279 €	112.279 €	0,4
2.5.D.1 Ru REACH registration	0 €	0 €		0 €	0 €	
2.5.D.2 Ru REACH dossier maintenance	186.000 €	186.000 €		61.000 €	61.000 €	
2.5.D.3 Ru REACH evaluation	0 €	0 €		0 €	0 €	
2.5.D.4 Ru REACH classification & labelling	0 €	0 €		0 €	0 €	
2.5.D.5 Ru REACH authorisation	0 €	0 €		0 €	0 €	
2.5.D.6 Ru internal and external fixed Scientific Managers	50.674 €	50.674 €		51.279 €	51.279 €	
2.5.D.7 Ru Building reserves						

8.2 2018-2019 forecast: for information

	PMC 2018 Budget to be spent	PMC 2018 Budget to be invoiced	PMC 2018 HR	PMC 2019 Budget to be spent	PMC 2019 Budget to be invoiced	PMC 2019 HR
2.5.E Iridium-specific costs	18.050 €	18.050 €	0,1	18.250 €	18.250 €	0,1
2.5.E.1 Ir REACH registration	0 €	0 €		0 €	0 €	
2.5.E.2 Ir REACH dossier maintenance	6.000 €	6.000 €		6.000 €	6.000 €	
2.5.E.3 Ir REACH evaluation	0 €	0 €		0 €	0 €	
2.5.E.4 Ir REACH classification & labelling	0 €	0 €		0 €	0 €	
2.5.E.5 Ir REACH authorisation	0 €	0 €		0 €	0 €	
2.5.E.6 Ir internal and external fixed Scientific Managers	12.050 €	12.050 €		12.250 €	12.250 €	
2.5.E.7 Ir Building reserves						
2.6 Re-specific costs	8.400 €	8.400 €	0,02	8.400 €	8.400 €	0,02
2.6.1 Re REACH registration	0 €	0 €		0 €	0 €	
2.6.2 Re REACH dossier maintenance	8.400 €	8.400 €		8.400 €	8.400 €	
2.6.3 Re REACH evaluation (<i>not relevant</i>)	0 €	0 €		0 €	0 €	
2.6.4 Re REACH classification & labelling	0 €	0 €		0 €	0 €	
2.6.5 Re REACH authorisation (<i>not relevant</i>)	0 €	0 €		0 €	0 €	
2.6.6 Re internal and external fixed Scientific Manager	0 €	0 €		0 €	0 €	
2.6.7 Re Building reserves						
2.7 Refinables-specific costs	405.548 €	405.548 €	0,2	405.559 €	405.559 €	0,2
2.7.1 Refinables REACH registration	0 €	0 €		0 €	0 €	
2.7.2 Refinables REACH dossier maintenance	376.500 €	376.500 €		376.500 €	376.500 €	
2.7.3 Refinables REACH evaluation	0 €	0 €		0 €	0 €	
2.7.4 Refinables REACH classification & labelling	0 €	0 €		0 €	0 €	
2.7.5 Refinables REACH authorisation	0 €	0 €		0 €	0 €	
2.7.6 Refinables internal and external fixed Scientific Manager	29.048 €	29.048 €		29.059 €	29.059 €	
2.7.7 Refinables Building reserves						
2.8 SVHC Roadmap-specific costs	91.964 €	91.964 €	0,5	92.250 €	92.250 €	0,5
2.8.1 Authorisation work programme	20.000 €	20.000 €		20.000 €	20.000 €	
2.8.2 Monitoring and advocacy	0 €	0 €		0 €	0 €	
2.8.3 Prioritization on authorisation	10.000 €	10.000 €		10.000 €	10.000 €	
2.8.4 Internal Regulatory Affairs Manager	61.964 €	61.964 €		62.250 €	62.250 €	
2.9 Volume per use	20.000 €	20.000 €		20.000 €	20.000 €	
TOTAL	4.465.950 €	4.190.950 €	6,02	3.859.900 €	3.859.900 €	5,22



8.2 Overview of expenses 2007-2015 + budget 2016-2019

		Expenses							
		2007-2009	2010	2011	2012	2013	2014	2015	TOTAL
1.2.1	Admin costs	721.797	527.210	164.617	146.512	256.512	308.651	401.610	2.526.908
1.2.2	Ag-specific costs	373.066	619.762	216.903	533.415	687.333	280.945	252.942	2.964.365
1.2.3	Au-specific costs	10.983	34.498	119.767	133.962	175.034	220.763	97.014	792.021
1.2.4	PM CN- -specific costs	10.090	23.943	102.432	88.988	235.064	213.016	242.369	915.902
1.2.5	<i>PGM-specific costs (All)</i>	<i>232.768</i>	<i>380.357</i>	<i>593.365</i>	<i>798.254</i>	<i>847.482</i>	<i>1.380.381</i>	<i>958.911</i>	<i>5.191.518</i>
1.2.5a	Pt-specific costs	55.282	90.335	146.934	189.860	209.762	327.086	258.298	1.277.558
1.2.5b	Pd-specific costs	55.282	90.335	146.934	189.860	209.762	328.293	213.473	1.233.939
1.2.5c	Rh-specific costs	55.282	90.335	145.880	188.396	209.762	327.086	212.048	1.228.790
1.2.5d	Ru-specific costs	55.282	90.335	145.880	188.396	208.564	327.086	212.048	1.227.592
1.2.5e	Ir-specific costs	11.638	19.018	7.738	41.742	9.631	70.829	63.043	223.639
1.2.6	Re-specific costs	58.714	76.362	122.885	157.977	38.408	19.334	18.535	492.215
1.2.7	Refinables-specific costs	0	266.375	311.234	246.569	302.267	379.130	46.171	1.551.746
	TOTAL	1.407.418	1.928.507	1.631.204	2.105.677	2.542.099	2.802.220	2.017.551	14.434.676

		Budget to be invoiced				
		2016	2017	2018	2019	TOTAL
1.2.1	Admin costs	618.800	567.250	572.550	612.000	2.370.600
1.2.2	Ag-specific costs	689.903	862.550	1.251.555	350.647	3.154.655
1.2.3	Au-specific costs	79.550	201.200	170.524	165.529	616.803
1.2.4	PM CN- -specific costs	288.200	64.200	225.345	181.309	759.054
1.2.5	<i>PGM-specific costs (All)</i>	<i>1.785.448</i>	<i>1.366.200</i>	<i>1.445.064</i>	<i>2.024.206</i>	<i>6.620.918</i>
1.2.5a	Pt-specific costs	645.102	738.400	281.621	1.263.618	2.928.741
1.2.5b	Pd-specific costs	622.173	25.200	574.095	362.309	1.583.777
1.2.5c	Rh-specific costs	171.217	153.550	334.624	267.750	927.141
1.2.5d	Ru-specific costs	345.956	435.200	236.674	112.279	1.130.109
1.2.5e	Ir-specific costs	1.000	13.850	18.050	18.250	51.150
1.2.6	Re-specific costs	11.400	7.400	8.400	8.400	35.600
1.2.7	Refinables-specific costs	277.550	75.200	405.548	405.559	1.163.857
	TOTAL	3.750.851	3.144.000	4.078.986	3.747.650	14.721.487

Total expenses + budget of € 29m!

8.2 2018 indicative invoices

ID Code	2018 Ag-applicable cost-share per Member incl. Admin costs	2018 Au-applicable cost-share per Member incl. Admin costs	2018 PM CN - applicable cost-share per Member incl. Admin costs	2018 Pt-applicable cost-share per Member incl. Admin costs	2018 Pd-applicable cost-share per Member incl. Admin costs	2018 Rh-applicable cost-share per Member incl. Admin costs	2018 Ru-applicable cost-share per Member incl. Admin costs	2018 Ir-applicable cost-share per Member incl. Admin costs	2018 Re-applicable cost-share per Member incl. Admin costs	2018 Ref-applicable cost-share per Member incl. Admin costs	2018 SVHC/Roadmap-applicable cost-share per Member incl. Admin costs*	Total amount to be invoiced in 2018
1	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €
2	0,00 €	4.323,01 €	0,00 €	11.150,23 €	8.782,22 €	13.260,53 €	19.218,86 €	4.303,04 €	0,00 €	0,00 €	4.279,63 €	65.317,51 €
3	15.429,47 €	7.875,59 €	0,00 €	7.142,33 €	8.782,22 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.279,63 €	43.509,23 €
5	53.364,76 €	7.875,59 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	95.647,93 €	4.279,63 €	161.167,90 €
6	36.333,86 €	0,00 €	50.635,86 €	7.142,33 €	20.785,53 €	0,00 €	0,00 €	0,00 €	0,00 €	6.667,19 €	4.279,63 €	125.844,40 €
7	29.597,77 €	4.323,01 €	42.185,42 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.279,63 €	80.385,82 €
8	18.526,23 €	7.875,59 €	16.241,06 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.279,63 €	46.922,50 €
9	36.333,86 €	15.196,05 €	0,00 €	19.433,21 €	26.787,19 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.279,63 €	102.029,94 €
10	14.848,83 €	4.323,01 €	24.988,02 €	0,00 €	8.782,22 €	13.260,53 €	0,00 €	0,00 €	0,00 €	0,00 €	4.279,63 €	70.482,22 €
11	78.527,18 €	11.643,47 €	50.635,86 €	55.860,53 €	126.724,30 €	125.832,34 €	71.562,41 €	4.303,04 €	0,00 €	84.831,92 €	4.279,63 €	614.200,69 €
12	18.526,23 €	7.875,59 €	0,00 €	7.142,33 €	8.782,22 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.279,63 €	46.605,99 €
13	53.364,76 €	4.323,01 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	2.382,95 €	4.279,63 €	64.350,34 €
14	54.140,85 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.279,63 €	58.420,47 €
15	223.106,44 €	15.411,36 €	33.734,97 €	60.046,55 €	138.727,62 €	75.820,63 €	90.649,01 €	7.913,04 €	2.419,62 €	31.819,54 €	4.279,63 €	683.928,40 €
16	25.301,02 €	4.323,01 €	0,00 €	19.255,08 €	14.485,15 €	47.632,22 €	36.338,96 €	6.108,04 €	0,00 €	31.968,02 €	4.279,63 €	189.691,12 €
17	50.463,45 €	7.875,59 €	42.185,42 €	0,00 €	8.782,22 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.279,63 €	113.586,29 €
18	15.429,47 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.279,63 €	19.709,09 €
19	15.429,47 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.279,63 €	19.709,09 €
20	18.526,23 €	7.875,59 €	0,00 €	0,00 €	8.782,22 €	0,00 €	0,00 €	0,00 €	0,00 €	2.363,68 €	4.279,63 €	41.827,34 €
21	18.526,23 €	7.875,59 €	0,00 €	7.142,33 €	8.782,22 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.279,63 €	46.605,99 €
23	14.848,83 €	4.323,01 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.279,63 €	23.451,46 €
24	14.848,83 €	4.323,01 €	0,00 €	7.142,33 €	8.782,22 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.279,63 €	39.376,01 €
25	61.496,28 €	11.858,78 €	0,00 €	35.910,11 €	67.603,90 €	44.540,58 €	63.638,58 €	6.108,04 €	1.521,10 €	67.569,15 €	4.279,63 €	364.526,15 €
27	15.429,47 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.279,63 €	19.709,09 €
28	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	1.655,36 €	0,00 €	0,00 €	1.655,36 €
29	0,00 €	4.323,01 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.279,63 €	8.602,63 €
30	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	1.138,97 €	0,00 €	0,00 €	1.138,97 €
31	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	1.001,26 €	0,00 €	0,00 €	1.001,26 €
32	15.429,47 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	6.667,19 €	4.279,63 €	26.376,29 €
33	25.881,66 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.279,63 €	30.161,29 €
34	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	2.325,15 €	4.279,63 €	6.604,77 €
35	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	1.138,97 €	0,00 €	0,00 €	1.138,97 €
36	15.429,47 €	4.323,01 €	0,00 €	7.142,33 €	8.782,22 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.279,63 €	39.956,65 €
39	15.429,47 €	7.875,59 €	0,00 €	7.142,33 €	8.782,22 €	0,00 €	0,00 €	0,00 €	0,00 €	19.462,11 €	4.279,63 €	62.971,34 €
40	40.011,26 €	7.875,59 €	24.691,51 €	7.409,53 €	32.191,40 €	0,00 €	0,00 €	0,00 €	0,00 €	40.561,43 €	4.279,63 €	157.020,34 €
41	15.429,47 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.279,63 €	19.709,09 €
42	0,00 €	4.323,01 €	0,00 €	7.142,33 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.279,63 €	15.744,97 €
43	64.397,59 €	4.323,01 €	0,00 €	7.142,33 €	14.485,15 €	0,00 €	0,00 €	0,00 €	43.257,78 €	0,00 €	4.279,63 €	137.885,49 €
44	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €
45	15.429,47 €	4.323,01 €	0,00 €	11.150,23 €	14.485,15 €	13.260,53 €	0,00 €	0,00 €	0,00 €	0,00 €	4.279,63 €	62.928,01 €
46	18.526,23 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.279,63 €	22.805,85 €
47	15.429,47 €	4.323,01 €	0,00 €	7.142,33 €	8.782,22 €	13.260,53 €	19.218,86 €	4.303,04 €	1.138,97 €	0,00 €	4.279,63 €	77.878,05 €
48	222.525,80 €	0,00 €	0,00 €	7.142,33 €	8.782,22 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.279,63 €	242.729,98 €
49	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €
50	26.462,30 €	0,00 €	0,00 €	35.553,86 €	61.602,24 €	36.720,57 €	0,00 €	0,00 €	0,00 €	0,00 €	4.279,63 €	164.618,60 €
51	32.655,82 €	4.323,01 €	0,00 €	11.239,29 €	14.783,88 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.279,63 €	67.281,62 €
TPR 1									1.383,39 €			1.383,39 €
TOTAL	1.405.436,96 €	185.512,03 €	285.298,12 €	345.574,31 €	638.048,12 €	383.588,47 €	300.626,69 €	33.038,22 €	11.397,64 €	435.524,06 €	162.625,76 €	4.190.950,00 €



8.2 2019 indicative invoices

ID Code	2019 Ag-applicable cost-share per Member incl. Admin costs	2019 Au-applicable cost-share per Member incl. Admin costs	2019 PM CN - applicable cost-share per Member incl. Admin costs	2019 Pt-applicable cost-share per Member incl. Admin costs	2019 Pd-applicable cost-share per Member incl. Admin costs	2019 Rh-applicable cost-share per Member incl. Admin costs	2019 Ru-applicable cost-share per Member incl. Admin costs	2019 Ir-applicable cost-share per Member incl. Admin costs	2019 Re-applicable cost-share per Member incl. Admin costs	2019 Ref-applicable cost-share per Member incl. Admin costs	2019 SVHC/Roadmap applicable cost-share per Member incl. Admin costs	Total amount to be invoiced in 2019
1	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €
2	0,00 €	4.361,46 €	0,00 €	41.986,80 €	6.440,60 €	13.037,05 €	17.398,41 €	4.992,70 €	0,00 €	0,00 €	4.802,08 €	93.019,10 €
3	5.920,52 €	7.809,99 €	0,00 €	24.003,62 €	6.440,60 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.802,08 €	48.976,82 €
5	16.548,82 €	7.809,99 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	96.268,66 €	4.802,08 €	125.429,55 €
6	11.777,28 €	0,00 €	39.462,65 €	24.003,62 €	14.015,84 €	0,00 €	0,00 €	0,00 €	0,00 €	7.285,47 €	4.802,08 €	101.346,94 €
7	9.890,04 €	4.361,46 €	32.663,57 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.802,08 €	51.717,15 €
8	6.788,14 €	7.809,99 €	11.789,20 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.802,08 €	31.189,41 €
9	11.777,28 €	14.916,05 €	0,00 €	79.152,02 €	17.803,46 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.802,08 €	128.450,89 €
10	5.757,84 €	4.361,46 €	18.826,84 €	0,00 €	6.440,60 €	13.037,05 €	0,00 €	0,00 €	0,00 €	0,00 €	4.802,08 €	53.225,88 €
11	23.598,55 €	11.467,53 €	39.462,65 €	242.599,08 €	80.873,30 €	103.111,64 €	42.230,49 €	4.992,70 €	0,00 €	85.452,36 €	4.802,08 €	638.590,38 €
12	6.788,14 €	7.809,99 €	0,00 €	24.003,62 €	6.440,60 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.802,08 €	49.844,43 €
13	16.548,82 €	4.361,46 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	3.001,11 €	4.802,08 €	28.713,47 €
14	16.766,25 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.802,08 €	21.568,33 €
15	64.105,20 €	15.125,06 €	25.864,49 €	261.381,51 €	88.448,54 €	63.094,66 €	51.285,28 €	8.642,70 €	2.520,07 €	32.438,51 €	4.802,08 €	617.708,10 €
16	8.686,22 €	4.361,46 €	0,00 €	78.352,77 €	10.039,70 €	40.539,63 €	25.520,28 €	6.817,70 €	0,00 €	32.586,99 €	4.802,08 €	211.706,84 €
17	15.735,96 €	7.809,99 €	32.663,57 €	0,00 €	6.440,60 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.802,08 €	67.452,20 €
18	5.920,52 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.802,08 €	10.722,60 €
19	5.920,52 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.802,08 €	10.722,60 €
20	6.788,14 €	7.809,99 €	0,00 €	0,00 €	6.440,60 €	0,00 €	0,00 €	0,00 €	0,00 €	2.981,84 €	4.802,08 €	28.822,65 €
21	6.788,14 €	7.809,99 €	0,00 €	24.003,62 €	6.440,60 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.802,08 €	49.844,43 €
23	5.757,84 €	4.361,46 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.802,08 €	14.921,38 €
24	5.757,84 €	4.361,46 €	0,00 €	24.003,62 €	6.440,60 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.802,08 €	45.365,61 €
25	18.827,02 €	11.676,53 €	0,00 €	153.082,84 €	43.562,69 €	38.065,85 €	38.471,38 €	6.817,70 €	1.621,55 €	68.189,11 €	4.802,08 €	385.116,75 €
27	5.920,52 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.802,08 €	10.722,60 €
28	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	1.755,81 €	0,00 €	0,00 €	1.755,81 €
29	0,00 €	4.361,46 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.802,08 €	9.163,54 €
30	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	1.239,42 €	0,00 €	0,00 €	1.239,42 €
31	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	1.101,71 €	0,00 €	0,00 €	1.101,71 €
32	5.920,52 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	7.285,47 €	4.802,08 €	18.008,06 €
33	8.848,90 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.802,08 €	13.650,98 €
34	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	2.943,30 €	4.802,08 €	7.745,38 €
35	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	1.239,42 €	0,00 €	0,00 €	1.239,42 €
36	5.920,52 €	4.361,46 €	0,00 €	24.003,62 €	6.440,60 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.802,08 €	45.528,29 €
39	5.920,52 €	7.809,99 €	0,00 €	24.003,62 €	6.440,60 €	0,00 €	0,00 €	0,00 €	0,00 €	20.080,74 €	4.802,08 €	69.057,55 €
40	12.807,58 €	7.809,99 €	18.588,28 €	25.202,50 €	21.214,03 €	0,00 €	0,00 €	0,00 €	0,00 €	41.180,64 €	4.802,08 €	131.605,10 €
41	5.920,52 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.802,08 €	10.722,60 €
42	0,00 €	4.361,46 €	0,00 €	24.003,62 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.802,08 €	33.167,16 €
43	19.639,88 €	4.361,46 €	0,00 €	24.003,62 €	10.039,70 €	0,00 €	0,00 €	0,00 €	0,00 €	43.877,07 €	4.802,08 €	106.723,81 €
44	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €
45	5.920,52 €	4.361,46 €	0,00 €	41.986,80 €	10.039,70 €	13.037,05 €	0,00 €	0,00 €	0,00 €	0,00 €	4.802,08 €	80.147,60 €
46	6.788,14 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.802,08 €	11.590,21 €
47	5.920,52 €	4.361,46 €	0,00 €	24.003,62 €	6.440,60 €	13.037,05 €	17.398,41 €	4.992,70 €	1.239,42 €	0,00 €	4.802,08 €	82.195,87 €
48	63.942,53 €	0,00 €	0,00 €	24.003,62 €	6.440,60 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.802,08 €	99.188,83 €
49	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €
50	9.011,58 €	0,00 €	0,00 €	151.484,34 €	39.775,07 €	31.808,65 €	0,00 €	0,00 €	0,00 €	0,00 €	4.802,08 €	236.881,72 €
51	10.746,81 €	4.361,46 €	0,00 €	42.386,42 €	10.228,22 €	0,00 €	0,00 €	0,00 €	0,00 €	0,00 €	4.802,08 €	72.525,00 €
TPR 1									1.483,84 €			1.483,84 €
TOTAL	449.678,11 €	184.535,62 €	219.321,25 €	1.381.654,91 €	423.327,46 €	328.768,63 €	192.304,26 €	37.256,21 €	12.201,24 €	443.571,25 €	187.281,06 €	3.859.900,00 €

* SVHC Costs shared between all Sub-Assemblies but Re-Sub assembly





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9. Data sharing: Switzerland initiative

France Capon, EPMF

REACH and CLP in Switzerland



- Switzerland updated its Chemicals Regulation (CR)
- In general:
 - Swiss CR is largely harmonised with the EU (REACH, CLP and BPR) BUT
 - For political reasons the chemical regulation is independent of the EU

- Switzerland follows :
 - Registrations
 - Harmonised CI&L
 - Restrictions
 - Authorisations
- So what is different?
 - Substance/case selection
 - Data sharing
 - Stricter enforcement

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Federal Department of Home Affairs FDHA
Federal Office of Public Health FOPH
Consumer Protection, Department Chemicals

Autonomous follow-up

- **Classification and Labelling**
 - update without evaluation)
- **Restrictions**
 - update after evaluation of other national legislations.
 - Decision may be different as in EU.
- **SVHC and authorisation list**
 - update after evaluation of other national legislations and socio-economic situation.
 - Decision may be different as in EU.

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Data Sharing Issue with Switzerland



JUST EXAMPLES

- **Swiss companies** are stimulated to use ECHA dissemination data for Swiss REACH and CLP compliance. No need to proof data access !
- **Granted Authorisations** in the EU will also be granted for that use in Switzerland

- Discussions are ongoing with Swiss authorities to clarify the issues
- EM sent a formal letter to ECHA and Commission
- ECHA and Commission contacted Swiss authorities
- Point of particular attention due to negative precedent

Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Federal Department of Home Affairs/FDMA
Federal Office of Public Health FOH/FOPH
Consumer Protection, Department Chemicals

Conclusion

- Chemicals legislation in Switzerland is independent but largely harmonised with EU legislation
- **Manufacturer / importer should use publicly available data (based on REACH registration) to fulfil their obligations**
- Authorities evaluate publicly available data / information to update regulatory risk management measures
 - ❖ **Similar level of protection with limited resources**

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10. AOB, next meeting and closing remarks

Guy Ethier, Umicore

- A.O.B.?

- Next Brainstorming meeting on PMC after 2018:
 - > 25 April 2017



- Next General Assemblies:
 - > 31/05-01/06/2017, Pforzheim



> 5-6/12/2017, Brussels





THANK YOU

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