



**CCQM Inorganic Analysis Working Group  
Meeting to be held on 10 - 12 September 2019  
UNIIM, Ekaterinburg, Russia**

**Agenda**

**Tuesday, 10 September**

**Preliminary Issues**

- 0930 **Introduction** Mike Winchester, Chair  
*Tour de table, agenda, minutes of the last meeting,  
overview of IAWG activities*
- A brief update on current studies and key comparisons  
not included elsewhere on the agenda*
- An update on the IRWG*

**Reports on Key Comparisons and Pilot Studies of Isotopic and Matrix Materials**

- CCQM-K158 and CCQM-P200 Measurement of a range of spiked and natural elements in rice material in addition to Sr (with natural isotope ratios), associated Rb and inorganic As Kazumi Inagaki, NMIJ and Yong-Hyeon Yim, KRISS  
*Update on progress, including discussion of the protocol and schedule*
- 1030 **Coffee**
- 1045 CCQM-K144 and CCQM-P182 Trace elements in alumina powder Kyoung-Seok Lee, KRISS  
*Update on progress*
- CCQM-K145 and P183 Toxic and essential elements in bovine liver Wang Jun, NIM  
*Update on the final reports*
- CCQM-K160 and P203 Platinum Group Elements in Automotive Catalyst Sarah Hill, LGC  
*Update on progress*



1200 **Lunch**

**Reports on Key Comparisons and Pilot Studies of Matrix Materials (continued)**

- 1315 CCQM-K155 and P196 Elements in seawater  
*Update on progress in planning* Süleyman Can, UME and Alvin Fung, GLHK
- CCQM-P194 Number concentration of colloidal particles in solution  
*Update on issues raised at previous meetings, progress of the draft report/publication, and questionnaire on need for a subsequent comparison* Heidi Goenaga Infante, LGC
- CCQM-K162 and P208 Selenoproteins in serum  
*Update on progress in planning* Heidi Goenaga Infante, LGC
- CCQM-K161 and P207 Anions in seawater  
*Update on progress in planning* Ma Liandi, NIM

1500 **Coffee**

**Planned and Proposed RMO Studies**

- 1530 Proposal for an APMP supplementary comparison on elements in lipstick material  
*Update on progress* Deborah Sim Lay Peng, HSA
- Proposal for an APMP supplementary comparison and pilot study on inorganic arsenic and elements in seafood  
*Update on progress in planning* Alvin Fung, GLHK
- SIM.QM-S10 Supplementary comparison for trace elements in skim milk powder  
*Discussion and approval of technical protocol* Patricia Grinberg, NRC

1700 **Adjourn for the day**

## Wednesday, 11 September

### Reports on Key Comparisons and Pilot Studies of Pure Materials

- 0930 CCQM-K143 and CCQM-P181 Copper calibration solutions John Molloy, NIST  
*Update on progress with the reports and discussion of any future plans in this area*
- CCQM-K152 and P192 Assay of potassium iodate Alena Sobina, UNIIM  
*Update on progress with the reports*
- 1030 **Coffee**
- 1045 CCQM-K34.2016.1 Assay of potassium hydrogen phthalate Ma Liandi, NIM  
*Update on progress*
- CCQM-K151 and P191 (Protein Analysis WG) Yong-Hyeon Yim, KRISS  
Quantitation of a S-containing protein (insulin)  
*Update on reports*
- 1200 **Lunch**

### Proposals for Key Comparisons and Pilot Studies of Pure Materials

- 1315 Proposal for a key comparison on EDTA assay or acid/base back titration (tris?) underpinning capabilities in complexometric determinations Michal Mariassy, SMU  
*Update and discussion of proposal*

### CMCs and Core Capabilities

- 1400 The IAWG has implemented a revised core capability approach with the aim of making support for the CMC review process more efficient and transparent and developing support for broad scope CMCs based on demonstrations of core competencies Paola Fisicaro, LNE and Heidi Goenaga Infante, LGC  
*Update and discussion of progress developing and using the new approach*
- 1500 **Coffee**



## IAWG Strategy

- 1520 Implementation of IAWG “five-year plan” for KCs Paola Fisicaro, LNE  
*An update on the current plan, reviewing agreed, proposed and required key comparisons*

## General Issues

- 1630 Traceability issues arising from withdrawal of the JRC (IRMM) from EURAMET Mike Winchester  
*Several NMIs or DIs have CMCs relying on IRMM standards for traceability to the SI. This is potentially an issue if the IRMM CMCs are “greyed out” by EURAMET*

### Spring 2020 IAWG Meeting

20 – 21 April 2020, hosted by BIPM, Sevres, France (CCQM week is 18 – 24 April 2020, exact dates of IAWG meeting could change)

### Fall 2020 IAWG Meeting

Available details to be presented

- 1700 **Adjournment of the meeting** Mike Winchester

**Mike Winchester**

[mrw@nist.gov](mailto:mrw@nist.gov)

**Thursday, 12 September****IAWG Workshop “Direct and indirect approaches to the purity assessment of high purity metals and salts”**

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|------|--|-----------------------|
| 0900 | Experience of UNIIM for the purity assessment of salts and metals by direct and indirect approaches                | Egor Sobina, UNIIM    |
| 0920 | Purity assessment of high purity metals and uncertainty considerations – LGC’s journey                             | Sarah Hill, LGC       |
| 0940 | Purity assessment of high purity metals and salts by direct and indirect approaches in NIM                         | Ma Liandi, NIM        |
| 1000 | EAWG comparisons on assay of organic acids and conversion of amount of substance content to mass fraction (purity) | Michael Mariassy, SMU |
| 1020 | NIST Primary Materials in Support of Single Element Standard Solutions Program                                     | John Molloy, NIST     |
| 1040 | Labs Tour  |                       |
| 1200 | <b>Lunch at Osobnyak</b>   |                       |