

The agenda for the first day addresses current issues relating to the BIPM and CIPM

**Day 1: Monday 24th October 2016
(Chair – Barry Inglis, President of the CIPM)**

0900 Welcome and Overview

Update items for information.

0910 Summary of BIPM Activities

- Highlights from the labs and coordination work (30 min)
- Progress with voluntarily-funded capacity-building activities (25 min)

- Decision of the WRC (2015) on the leap second (10 min)

1015 Coffee

A meeting of CC Presidents was held at BIPM in June 2016; amongst the discussion topics were the membership criteria of the CCs. This item provides the opportunity to provide feedback from the discussions and get further input ahead of discussions at the CIPM.

1045 Update from the CCs

- Feedback from the CC Presidents' Meeting (Barry Inglis)
- New criteria for Membership and Observership of the CCs

- Discussion

The CGPM in 2014 mandated the BIPM dotation for the years 2016-19 and set out the requirements to address the long-term sustainability of the BIPM Pension Fund. Progress on these issues will be reported. (Note - BIPM staff will be formally considering proposals for new pension arrangements in October so discussion may be constrained).

1130 Progress against CGPM Decisions

- Update on the BIPM Financial Position
- Progress with reform of the BIPM Pension Fund

The November 2018 CGPM is likely to be historic in presenting proposals for redefinition of the SI. This item provides the opportunity to share the planning for the CGPM.

1200 Planning for the CGPM in November 2018

- Redefinition of the SI
 - Plans for promotion of the new definitions – (Joachim Ullrich, PTB)
- Resolving historical arrears and exclusion issues - (Martin Milton, BIPM)

1230 Lunch and tour of BIPM laboratories

The Mutual Recognition Arrangement (CIPM MRA) dominated the discussion at the last NMI Directors Meeting. A Working Group under the chairmanship of Barry D. Inglis met in March. The afternoon's session provides the opportunity to discuss the implementation of the recommendations. (The Recommendations are available from the BIPM website).

1400 CIPM MRA: Review of Working Group Recommendations and Way Forward

- Introduction to review process (Barry Inglis) (15 min)
- Presentations by the convenors of the 4 task groups (60 min)
- Update from the JCRB (30 min)

- Coffee

- Discussion (60 min)
- Development of consensus on the next steps (20 min)

There will be a drinks reception at the BIPM following the close of the session

The second day will focus on topics of particular interest to NMI Directors with significant time for debate and discussion

Day 2: Tuesday 25th October 2016

0900 Welcome and Overview (Chair – Brian Bowsher, Member of the CIPM)

Rather than “re-opening” issues, we would prefer to focus Day 2 on new items for discussion amongst the NMI community. However, we recognise that a number of topics on Day 1 are substantial. Hence, this slot can act as a “buffer” to ensure satisfactory close-out of issues; should it not be needed, the subsequent items would benefit from greater time.

0915 Review of Day 1 Issues

0950 Proposal for a BIPM/VAMAS Workshop – Graham Sims, VAMAS Chair, NPL

1015 Coffee

Quantifying the impact of NMIs was the highest priority topic identified by NMI Directors in the 2015 survey. This discussion should address this issue. It is recognised that different countries/ NMIs may have very different funding arrangements and impact requirements. It is felt that a discussion on ways to demonstrate impact should offer greatest value. To inform the debate a few short initial national perspectives will be presented based on recent work in this area by the NMIs (where possible provided in advance). Experience on multi-national working will also be shared to aid future collaboration. The objectives of this session are to share different perspectives of demonstrating impact and hence helping the NMI community show the value and impact of their work. Whilst impact criteria may be specific to each NMI, country or region, the debate on methodologies should provide more universal insights.

1045 Metrology Strategies to deliver Impact (Chair - Brian Bowsher)

1045 Initial Presentations (10 minutes each)

- The 13th Five Year Plan for Metrology Science and Technology Development of NIM (2015-2020) – Yuning Duan, NIM
- The UK Measurement Strategy (2016-2020) – Peter Thompson, NPL
- Planning a New Laboratory for NMISA to deliver Impact in South Africa – Ndwakhulu Mukhufhi, NMISA
- The 3rd Master Plan (2017-2022) for NMIT - Prayoon Shiwattana, NIMT
- Multinational research cooperation: experiences from EMPIR – Jörn Stenger, PTB

1135 Panel discussion and debate

1245 Lunch

1400 Metrological Methodologies in the Health Sector (Chair – Willie May, NIST Director)

Health issues were identified as an area of strong interest from the survey. This agenda item is designed to move the discussion from a more general debate of impact to more specific outcomes in one important and growing area of metrology. To set the scene a number of national perspectives will be given. These should then facilitate a debate on extracting methodologies in areas such as innovative schemes to establish traceability and other metrological services in the field of health.

1400 Initial Presentations (10 minutes each)

- NIST Programs to address Next Generation Healthcare and Forensic Science Challenges – Willie May, NIST
- Developing chemistry and biology programmes in Korea – Sang Ryoul Park, KRISS
- Health challenges facing the developing world – Dinesh Aswal, NPL (India)
- Trace Element Analysis in Food – Takashi Usuda, NMIJ.

1430 Panel discussion and debate

At the last meeting NIST colleagues presented an exciting proposal for a resource register to aid collaborative working. This was particularly relevant to the growing topic of “Big Data”. This item provides the opportunity for an update on the NIST initiative as well as supporting an open debate on other collaborative opportunities.

1530 Collaboration between NMIs (Chair – Brian Bowsler)

1530 The NMI Resource Registry – an update (Bob Hanisch, NIST)

1545 General Discussion

Feedback will be sought from delegates on the success (or otherwise!) of the new format and ideas solicited for topics for discussion at future meetings and ways to ensure involvement (e.g. through the Directors’ Panel).

1600 Other Business

- Topics for Future Meetings

1620 Closing Remarks and close of meeting