

## 20<sup>th</sup> Meeting of the Directors of NMIs and Member State Representatives

*The programme has been developed by a panel of NMI Directors coordinated by Maguelonne Chambon (LNE).*

<b>Day 1 - Thursday 17<sup>th</sup> October 2019 at 09:30</b>		
<b>Opening Session</b>		
<i>The agenda for the first day will focus on the outcomes of the 26<sup>th</sup> CGPM in 2018, and, in particular, on the revision of the SI.</i>		
	<ul style="list-style-type: none"> <li>• Welcome from the CIPM President and presentation of new CIPM members and CIPM bureau (<b>Wynand Louw – CIPM</b>)</li> <li>• Update from the new CIPM bureau and Sub-committees (<b>Takashi Usuda – CIPM</b>)</li> <li>• Highlights from the work of the BIPM Scientific and Technical Secretariat (<b>Martin Milton – BIPM</b>)</li> </ul>	
<b>SI implementation following the revision of November 2018</b>		
<i>The speakers in this session will reflect on their experience of the opportunities opened up by, and the challenges raised by, the changes to the SI.</i>		
	<ul style="list-style-type: none"> <li>• Future impact of the new definitions on NMI &amp; BIPM strategy (<b>Michael Stock – BIPM</b>)</li> </ul> <p style="text-align: center;"><b>Discussion followed by photograph and coffee</b></p> <ul style="list-style-type: none"> <li>• New opportunities with strategic significance for the future in mass and related quantities (<b>Thomas Grenon – LNE</b>)</li> </ul> <p style="text-align: center;"><b>Discussion</b></p>	
<b>Promoting the revision of the SI</b>		
<i>A large global effort was devoted to promoting the decision to revise the SI in November 2018. In this session, two speakers will review some of the ways that the revisions were presented to a broad audience, and how the momentum generated in the media can be maintained.</i>		
<i>The session will also include a discussion of the experiences of different NMIs with the legal implementation of the revisions. The floor will be open for short contributions.</i>		

	<ul style="list-style-type: none"> <li>• A competition to promote the SI - “Throwing the kg” (<b>Cliff Hastings – MSL</b>)</li> <li>• The experience of the legal implementation of the revised SI in Japan (<b>Takuya Maeba – METI</b>)</li> <li>• Measuring time and space with Dr Who (<b>Bruce Warrington – NMIA</b>)</li> </ul> <p><i>Open discussion on experiences with the legal implementation of the 2019 revision to the SI.</i></p> <ul style="list-style-type: none"> <li>• Questionnaire on the implementation of the SI (<b>Michael Stock – CCU</b>)</li> </ul> <p style="text-align: center;"><b>Discussion followed by lunch</b></p>	
<p><b>14:15 Reporting from the CIPM and BIPM</b></p> <p><i>At the meeting of the CGPM in November 2018, a new CIPM was elected. This session will include reports from the CIPM on the new challenges they are addressing and the progress being made with the BIPM capacity-building activities.</i></p>		
	<ul style="list-style-type: none"> <li>• Steps towards the implementation of the resolutions of the 26<sup>th</sup> CGPM (<b>Wynand Louw – CIPM</b>)</li> <li>• Progress with Liaison activities (<b>Jim Olthoff – CIPM</b>)</li> <li>• Update on Capacity-Building activities (<b>Andy Henson – BIPM</b>)</li> </ul> <p style="text-align: center;"><b>Discussion followed by tea/coffee</b></p>	
<p><b>16:20 Reports from the Consultative Committees</b></p> <p><i>Progress on key challenges being addressed by three of the Consultative Committees.</i></p>		
	<ul style="list-style-type: none"> <li>• Towards a new definition for the second (<b>Noël Dimarcq – CCTF</b>)</li> <li>• Is there anything new with the meter? (<b>Ismael Castelazo – CCL</b>)</li> <li>• Future plans for World Metrology Day (<b>Andy Henson – BIPM</b>)</li> </ul> <p style="text-align: center;"><b>Discussion</b></p>	
<p><b>Close of Day 1 followed by a reception in the BIPM Garden</b></p>		
<p><b>19:00 - World premiere of the film “The Last Artifact” at the SEL Arts Centre, Sèvres</b></p>		

<p><b>Day 2 - Friday 18<sup>th</sup> October 2019 at 09:00</b></p> <p><b><u>A Working Group of Member State representatives will meet during this morning session in the Grande Salle of the Pavillon de Breteuil.</u></b></p>		
<p><b>09:00 – Welcome</b></p> <p><i>The second day will focus on topics of particular interest to NMI Directors with significant time for debate and discussion.</i></p>		
	<ul style="list-style-type: none"> <li>• Welcome and opening of Day 2 (<b>Maguelonne Chambon</b>)</li> <li>• What is next for the candela? (<b>Maria Luisa Rastello – CCPR</b>)</li> </ul>	
<p><b>09:30 – Current operational challenges at the NMIs</b></p> <p><i>In this session the meeting will have the opportunity to broaden its scope to discuss some current policy challenges facing NMIs. Several NMIs have agreed to share some of their experience in addressing current HR issues.</i></p>		
	<p style="text-align: center;"><b>Addressing and improving Inclusivity and equity amongst NMI staff.</b></p> <p><i>Speakers from NIST (<b>Walt Copan</b>), INM (<b>Edwin Cristancho-Pinilla</b>) and NPL (<b>Pete Thompson</b>) will share their experiences in order to stimulate discussion.</i></p> <p style="background-color: yellow;"><i>There will be time for any other NMI to share a few slides on the topic.</i></p> <p style="text-align: center;"><b>Discussion followed by coffee</b></p>	
<p><b>11:20 – New opportunities for NMIs to contribute to national QI</b></p> <p><i>In this second session on policy challenges, one NMI working to develop its national metrology system within its national Quality Infrastructure (QI) will share its experience.</i></p>		
	<p style="text-align: center;"><b>Expanding the scope of a national metrology system</b></p> <ul style="list-style-type: none"> <li>• Experience of setting up new projects to address food safety in Columbia (<b>Edwin Cristancho-Pinilla – INM</b>)</li> <li>• A toolkit for the development of national quality infrastructure (<b>Susanne Wendt – PTB</b>)</li> <li>• Expanding the scope of the national metrology system employing the revised SI (<b>Tokihiko Kobata – NMIJ</b>)</li> <li>• The revision of the SI and its contribution to environmental impact and economic growth (<b>Tzeng-Yow Lin – CMS/ITRI</b>)</li> </ul>	

	<p><i>The meeting will be open for one or two other presentations on this theme and other QI topics followed by discussion.</i></p> <p style="text-align: center;"><b>Discussion Followed by Lunch</b></p>	
<p><b>14:15 to 15:30 – New frontiers for metrology</b></p>		
	<ul style="list-style-type: none"> <li>• The “digital SI” a machine-readable data format for the exchange of metrological data and digital certificates” (<b>Frank Haertig – PTB</b>)</li> <li>• Metrological tools and methods for the evaluation of performances of artificial intelligence (<b>Guillaume Avrin – LNE</b>)</li> </ul> <p style="text-align: center;"><b>Discussion followed by tea/coffee</b></p>	
<p><b>16:10 to 16:30 – Conclusions from Day 1 and Day 2 and open discussion</b></p> <p><i>This final session will be open for discussion of any topics arising during the meeting.</i></p> <p><i>There will be an opportunity to propose names for the coordinator of the meeting in 2020. Over recent years, the meeting has been coordinated from EURAMET (2016 and 2019) and SIM (2017). Volunteers from other regions will be welcome.</i></p>		
	<p><b>Discussion and close of meeting</b></p>	