



Organisation Internationale de
Métrologie Légale
International Organization of
Legal Metrology



SIM Week – 2022

OIML

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Introduction

- International Intergovernmental Organisation
- 127 Members
- Four pillars:
 1. Technical document standard development and publication
 2. Harmonised international certification
 3. Capacity building and outreach
 4. International engagement





Laying the foundations

- The OIML is orientating itself to develop and implement more adaptive, flexible, contemporary, and fit-for-purpose standards.
- This will enable the OIML to respond to evolving consumer and industry demands.
- This requires the high frequency review, revision and renewal of OIML publications.





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Laying the foundations

- In doing so, the OIML will continue to assert itself as a leading international standard-setting organisation.
- To facilitate the above we have been working actively with our Project Groups, Technical Committees and stakeholders.





Foundation: Governance and recent appointments

- The following posts were approved by the CIML at its 57th meeting:
 - Dr Roman Schwartz confirmed that he will step down as CIML President at the 58th CIML Meeting.
 - The CIML elected Dr Bobjoseph Mathew, CIML Second Vice-President as CIML President for a six-year term starting at the 58th CIML Meeting.
 - Mr Jaco Marneweck was appointed CEEMS AG Chairperson and Mr Han Jianping was appointed CEEMS AG Vice-Chairperson by the CIML.
 - Dr Sascha Eichstädt was appointed Chairperson of the OIML Digitalisation Task Group (DTG) and Dr Ping Yang was appointed Deputy Chairperson.



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Foundation: Joint Statement of Intent

on the digital transformation in the international scientific and quality infrastructure

- The “Joint Statement” was signed by the OIML and partner organisations in March 2022.
- It lays the foundations of the work of the OIML DTG and how the international Quality Infrastructure organises itself and its priorities for the future.
- By signing the Joint Statement, the OIML signals its support of the principles contained in it.
- The Joint Statement provides a framework for the OIML DTG to operate.



Signing of the Joint Statement of Intent

Clockwise from top left:

Wynand Louw, CIPM President (on behalf of the BIPM)
Mathieu Denis, ISC Science Director and Acting CEO
Barend Mons, CODATA President
Roman Schwartz, CIML President (on behalf of the OIML)
Frank Härtig, IMEKO President



Foundation: Formation of the OIML Digitalisation Task Group

- The OIML is actively engaging with, and advancing the digital transformation of legal metrology.
- The DTG consists of 15 representatives from OIML Members and international and regional organisations.
- The DTG will support, coordinate and promote the international harmonisation and implementation of digital transformation in legal metrology.





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SIM and OIML

- The most recent Member of OIML (October 2022) is from the SIM region – welcome Saint Lucia!
- In 2022 the OIML and the BIPM decided for the World Metrology Day theme in 2023 to be focussed on “Measurements and the global food system” and awarded the poster design to the SIM region – INTI Argentina.





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SIM and OIML

- At the 57th CIML Meeting, the 2022 OIML CEEMS Award was awarded to the Guyana National Bureau of Standards (GNBS) for their outstanding contributions to the work of the OIML.
- Colombia leads the Promotion and Awareness Raising Working Group of the OIML-CS and is also a member of the OIML-CS Management Committee along with Canada, Cuba and the United States.





Cooperation with the BIPM

- The OIML cooperates with the BIPM on many subjects, including:
 - Collaboration with organisations in liaison;
 - Shared messaging, representation, and resourcing;
 - World Metrology Day and the UNESCO bid for a World Day of Metrology;
 - Digitalisation and the digital transformation of our Organisations;
 - The Joint Statement;
 - Organisational, corporate and governance matters.
- Additionally, Joint Task Group meetings have been convened and strategy established.





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Cooperation with the BIPM

- There is regular dialogue between the executives of the two organisations.
- There has been continued engagement with the International Network on Quality Infrastructure (INetQI), with OIML IT support.





Strategy: Profile raising - UNESCO

- Joint OIML-BIPM proposal to the United Nations Educational, Scientific and Cultural Organization (UNESCO) for a World Day of Metrology.
- Direct coordinated liaison with UNESCO and its Member States through representations made to embassies and permanent missions to advance the joint proposal.



Item 41 World Metrology Day (215 EX/41; 215 EX/PG.1-INF.3; 215 EX/DG-INF Rev.)

19. After considering this item, the Programme and External Relations Commission recommended that the Executive Board adopt the following draft decision:

The Executive Board,

1. Having examined document 215 EX/41,
2. Considering that greater global awareness and understanding of the role of metrology in modern life is vital in order to address challenges in areas such as sustainable development, energy and community health, and to improve the quality of life in both the developed and the developing worlds,
3. Stressing that accurate and internationally accepted measurements are vital for economic advancement and for the implementation of new technology and the application of science, including for the basic needs of food, health, housing, roads and transport, water, energy and the management of the planet's resources,
4. Noting the broad and significant impact of recent initiatives of UNESCO's capacity-building programmes in science and technology and the enthusiastic commitment of the world metrology community to continue to work with UNESCO on international coordinated capacity-building programmes in metrology,
5. Recognizing that it is vital to ensure that existing gains from previous UNESCO initiatives in science and education are effectively followed up and strengthened,
6. Also recognizing the commitment of UNESCO and its Member States to the 2030 Agenda for Sustainable Development,
7. Further recognizing the need to address the issue of gender segregation in metrology by showcasing important metrology role models and developing programmes to encourage more women and girls to consider metrology as a career,
8. Decides to:
 - (a) welcome and endorse the recommendation to proclaim 20 May of each year world metrology day;
 - (b) invite the Director-General to support all efforts that will lead to the proclamation of a world metrology day;
 - (c) include this item in the agenda of the 42nd session of the General Conference;
 - (d) recommend that the General Conference at its 42nd session proclaim 20 May of each year world metrology day;
 - (e) encourage Member States, non-governmental organizations, universities and other partners to actively celebrate world metrology day in a manner that each considers most appropriate and without any financial implications for UNESCO's regular budget.



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Strategy: Profile raising - OECD

- The OIML and the BIPM have both actively contributed to the OECD *Partnership of international organisations for effective international rule-making*.
- Examples of good practice have been contributed by the OIML to assist other IOs.
- Learnings derived from the IO Partnership have been applied.
- Case-studies on the OIML and BIPM have been published.



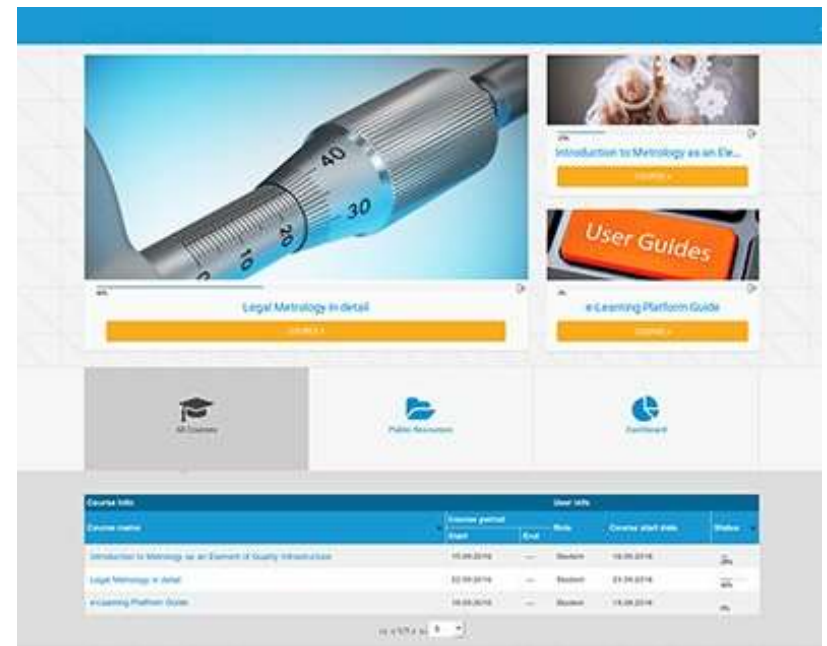


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e-Learning strategy

- Continues to be refined and advanced and will interact with the work of the OIML DTG, the BIPM and other bodies.
- Sharing of e-Learning material and other learning resources has increased with and between RLMOs/RMOs.
- Work has begun on a joint OIML-BIPM e-Learning module on D 1.

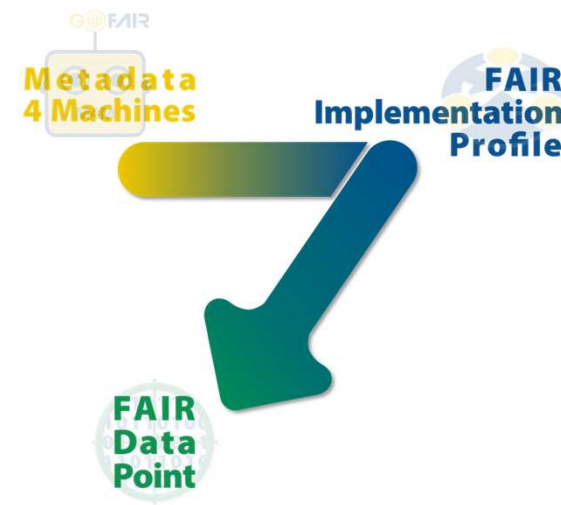


<https://lms.oiml.org/>



A framework: Findable, Accessible, Interoperable and Reusable (FAIR)

- To encourage digital openness, equality, communication and cataloguing, metrology's International Organisations are embracing the **F**indable, **A**ccessible, **I**nteroperable and **R**eusable (**FAIR**) principles.
- The FAIR Guiding Principles are a three-point framework describing the essential steps towards the end goal, a global Internet of FAIR Data and Services where data are FAIR.



Reference: <https://www.go-fair.org/how-to-go-fair/>



Relevance and impact assessment

- International standards are most effective when they are widely accepted and trusted by those who are affected by them.
- Ongoing but renewed emphasis to assess the true impact of the work that the OIML undertakes as an international standard-setting organisation.
- Need to consider and assess the impacts, both pre- and post-production, of the standard and the flow through to economic impacts and quality of life metrics.
- Better alignment with and mapping to the United Nations SDG.





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Relevance and impact assessment

- OIML and BIPM mapping of metrology functions with UNIDO to build on the work undertaken as part of the previous tripartite publication through the QI4SD Index by UNIDO.
- This is a unique initiative, measuring both the impact of Quality Infrastructure and Sustainable Development and is one of the first times that this has been mapped from a quantitative perspective.
- The OIML's focus and prioritisation of activities is on where we can truly add value to society to support the implementation of the SDGs.
- This includes the areas of health, environmental sustainability, inclusivity through digital transformation, safety, and trade.
- We do this by ensuring that our standards are trusted and are inclusive in their development and their application.





- Promote the adoption and implementation of international standards within the IO and international QI sphere - engage Members to do the same.
- For example: raising the profile, increasing the accessibility and reducing the complexity of international frameworks and initiatives such as the OIML-CS.
- Consulting with industry and consumers: feedback as to which standards are essential, their accessibility, and which standards need to be revised or consolidated.
- Integration and alignment between metrology and industry policy at all levels.
- Metrology's ability to contribute to and shape policy, legislation and international rules and to be an active, assertive and trusted participant in this dialogue.





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Close

