



Organisation Internationale de
Métrieologie Léegale
International Organization of
Legal Metrology



Introducing the OIML Digitalisation Task Group (DTG)

Dr. Sascha Eichstädt (Chairperson)

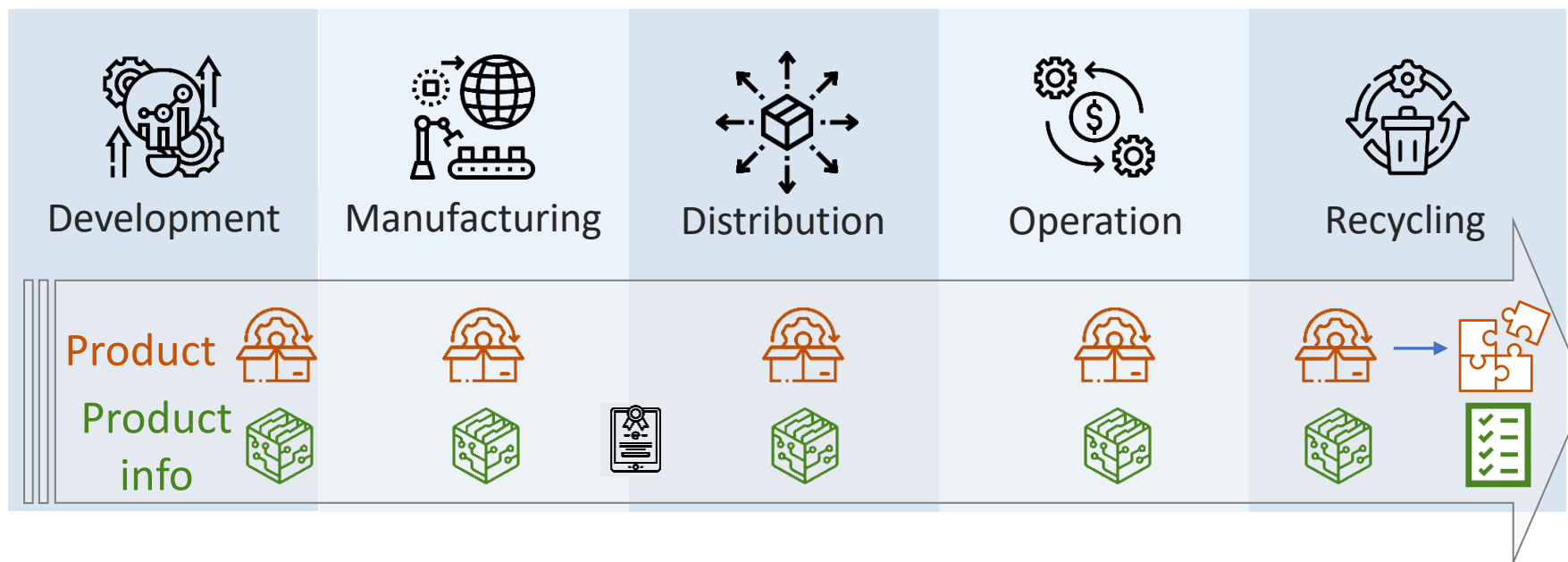


Introduction

- DTG based on CIML Resolution 2021/07 (esp. Addendum 4.4)
- The DTG is
 - a strategic Task Group,
 - a horizontal Task Group looking at the various OIML activities , and
 - a contact point for other International Organisations signing the Joint Statement of Intent coordinated by the BIPM
- The DTG’s major purpose is to analyze the challenges of the digital transformation of the various legal metrology processes and activities , and prepare respective proposals



Motivation: product lifecycle



Physical products with digital information (digital certificate, digital twin, cloud platform, etc.)



Motivation: Joint Statement of Intent



CIE
INTERNATIONAL COMMISSION ON ILLUMINATION



CODATA
COMMITTEE ON DATA OF THE ISC



IEC
INTERNATIONAL ELECTROTECHNICAL COMMISSION



ILAC
INTERNATIONAL LABORATORY ACCREDITATION COOPERATION



IMEKO
INTERNATIONAL MEASUREMENT CONFEDERATION



ISC
INTERNATIONAL SCIENCE COUNCIL



ISO
INTERNATIONAL ORGANIZATION FOR STANDARDIZATION



OIML
INTERNATIONAL ORGANIZATION OF LEGAL METROLOGY

Joint statement of Intent

On the digital transformation in the international scientific and quality infrastructure

[...]

We the undersigned undertake to support in a way appropriate to each organisation the development, implementation, and promotion of the SI Digital Framework as part of a wider digital transformation of the international scientific and quality infrastructure.



DTG Membership

- The following Member States are represented in the OIML DTG:
 - Australia, Austria, Canada, China (P.R.), Czech Republic, Germany, India, Japan, Korea (R.), Switzerland, United States.
- The following Corresponding Members are represented:
 - Argentina, Iraq, Latvia, Malaysia.
- The following Organisations / Institutions in Liaison are represented:
 - CECIP, IECEx
- In addition, the CEEMS Advisory Group (AG) is invited to nominate an observer as standing guest in the DTG meetings



Structure of the DTG

- DTG Chairperson: Dr. Sascha Eichstädt, PTB, Germany
- Deputy Chairperson: Dr. Ping Yang, NIM, China (P.R.)
- Sub-committees
 - Organization of a Special Session at the IMEKO TC6 M4Dconf2022 in September 2022
 - Support of technical work / project groups regarding “SMART”
- Other collaborations
 - Ongoing support of the OIML CEEMS AG in the development of guidelines and good practice in online / digital technologies



IMEKO TC6 M4Dconf2022 (19-21 Sep 2022)

- DTG organized special session “Digital transformation in legal metrology”
- Three scientific presentations on legal metrology aspects
- Panel discussion with representatives from CEEMS, CECIP, OIML-CS, NMI-A and German market surveillance

IMEKO M4Dconf2022 overall:

221 attendees, 44 papers, 16 invited talks, 16 sessions

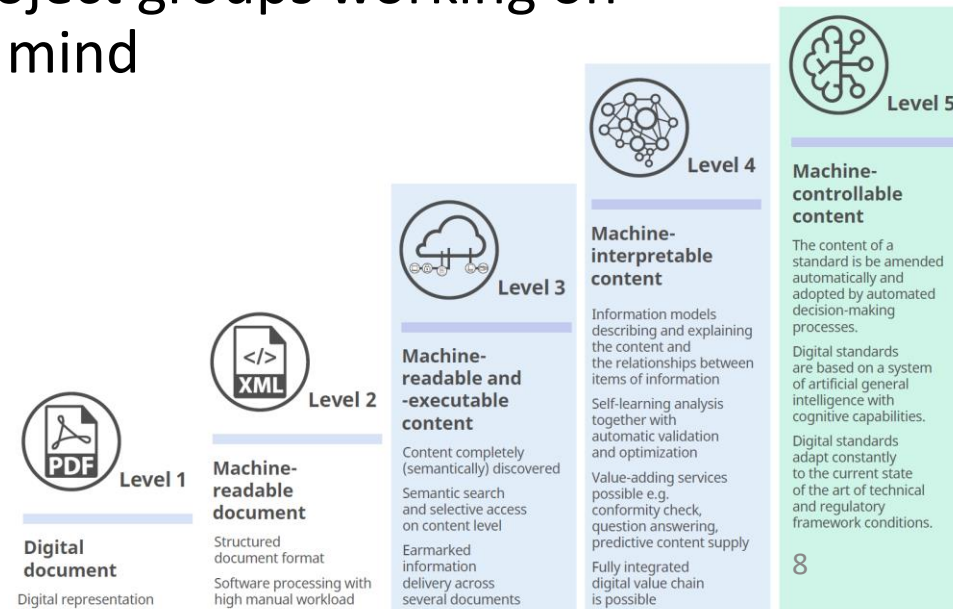
Fully hybrid conference





Support of technical work / project groups regarding “SMART” OIML documents

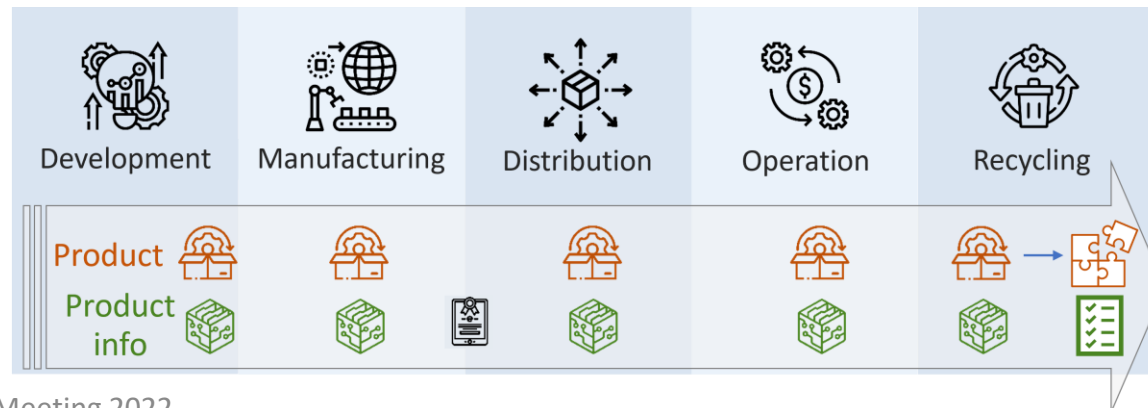
- Aligned and in collaboration with work coordinated by ISO/IEC
- Considered to be organised as sub-committee of the DTG with experts to be invited from external groups
- Consultation with existing OIML project groups working on OIML documents with “SMART” in mind





Strategic items for the role of the OIML in an international digital metrology system

- Need to identify, clarify and harmonise understanding of basic and fundamental aspects in digital transformation
- Development of suggestions and advice for role of OIML-CS in the digital world
- Preparing and maintaining contact to and collaboration with the envisioned CIPM Forum on digitalisation





Support of the “Online Technology Project” initiated by the CEEMS Advisory Group

- DTG Members commented on draft versions and approved the final draft of the CEEMS AG
- Several concrete recommendations jointly included by DTG and the CEEMS AG that take this collaboration forward
- CEEMS AG Chairperson as observer and consultant in DTG general meetings



Thank you

Sascha Eichstädt

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For further information:

<https://www.oiml.org/en/publications/bulletin/>

April 2022 “Inaugural meeting of the OIML Digitalisation Task
Group (OIML DTG)”