



International Organization of Legal Metrology

Organisation Internationale de Métrologie Légale

Digital transformation of the Quality Infrastructure (QI) - The approach and view of the OIML -

Sascha Eichstädt, Chair of the OIML DTG

CIPM Forum MD, 20 – 21 February 2025



Summary of activities

2024

- Organised a webinar series on digitalisation in legal metrology
- Carried out a survey among OIML Members and stakeholders
- Initiated preparation of a beginners' course e-learning material
- Initial steps towards SMART OIML documents

2025

- Publish an OIML Bulletin on “FAIR principles in legal metrology”
- Organise a special session at IMEKO M4Dconf (3-5 Sep 2025)
- Implement a first simple SMART OIML Recommendation
- Implement an initial e-learning course on digital transformation



OIML DTG Overview

- Founded May 2022 (confirmed by 57th CIML)
- Over 30 Members from over 20 different countries and economies, and two organisations in liaison
- Sascha Eichstädt (Germany) as Chairperson and Yang Ping (China) as Deputy Chairperson
- Sub-committee “Smart Standards”, Convener Katya Delak (USA)
- Sub-committee “e-Learning”, Convener Catharina Kulka-Peschke (Germany)



DTG Survey 2024

The survey questions covered a wide range of technical aspects of digital transformation, partially covered in the DTG's webinar series.

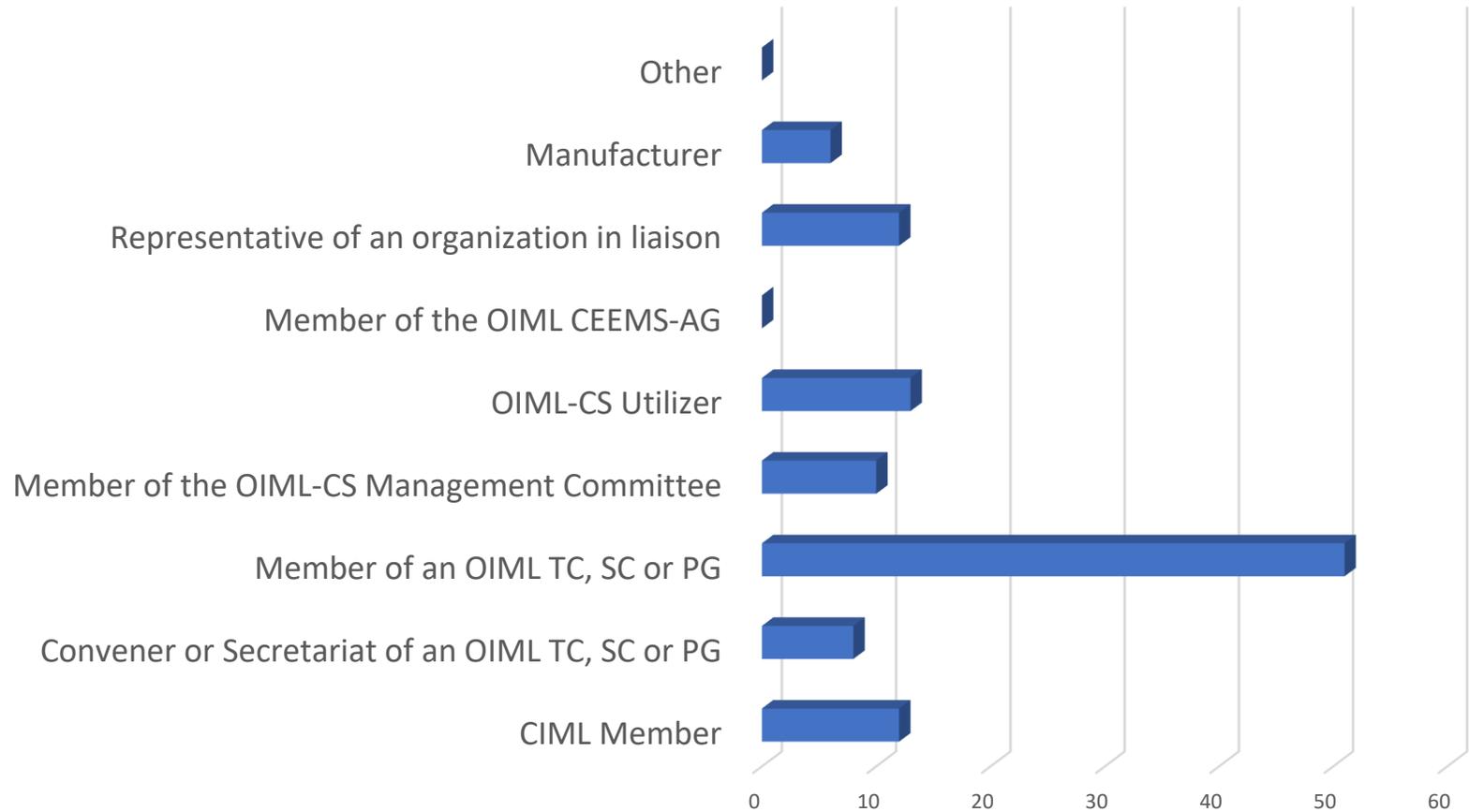
Answers to this survey will help the DTG to prioritise its activities.

- Role / relation to the OIML
- Competence and digital maturity
- Priorities of activities for the DTG
- Understanding of “smart” and “digital readiness”
- Anticipations when moving towards digital

Survey published since early September and lasted until end of October 2024



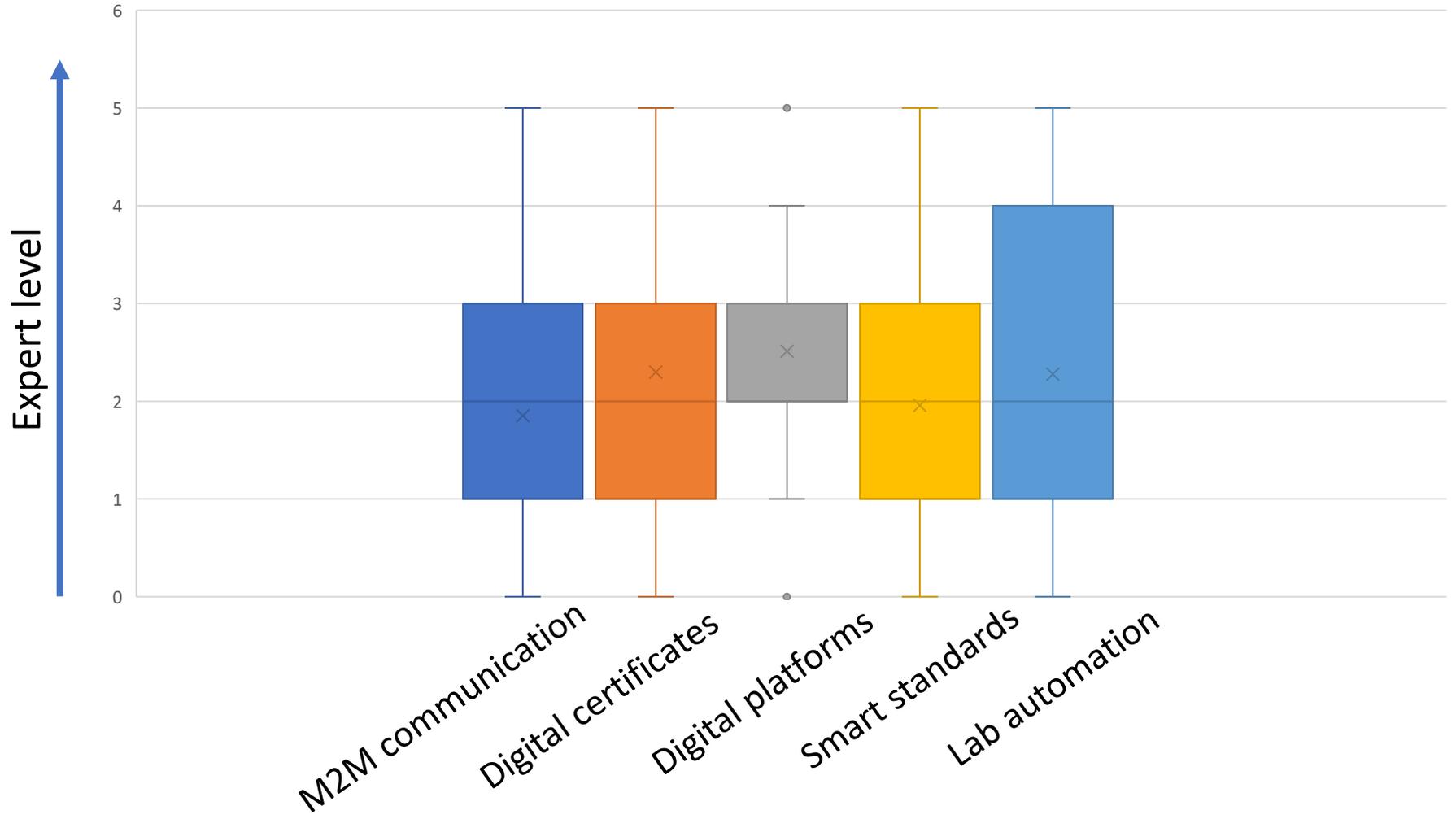
Participants



Total: 111

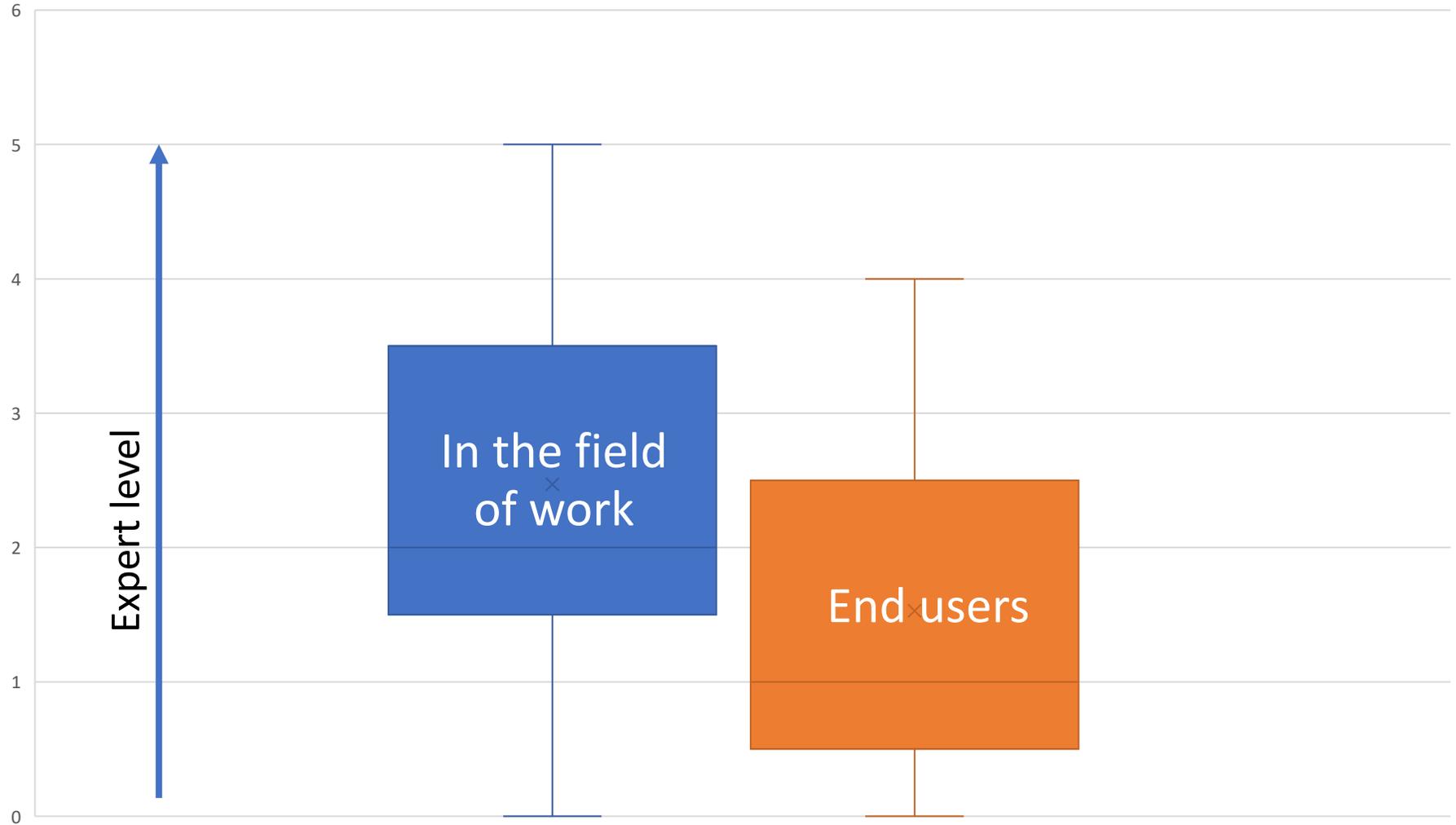


Participants





Digital competence in the field





Digital competence in OIML

What is your perception of the digital competence within the OIML?

Expert level

High digital competence

Little digital competence



Few concrete examples

Concrete examples

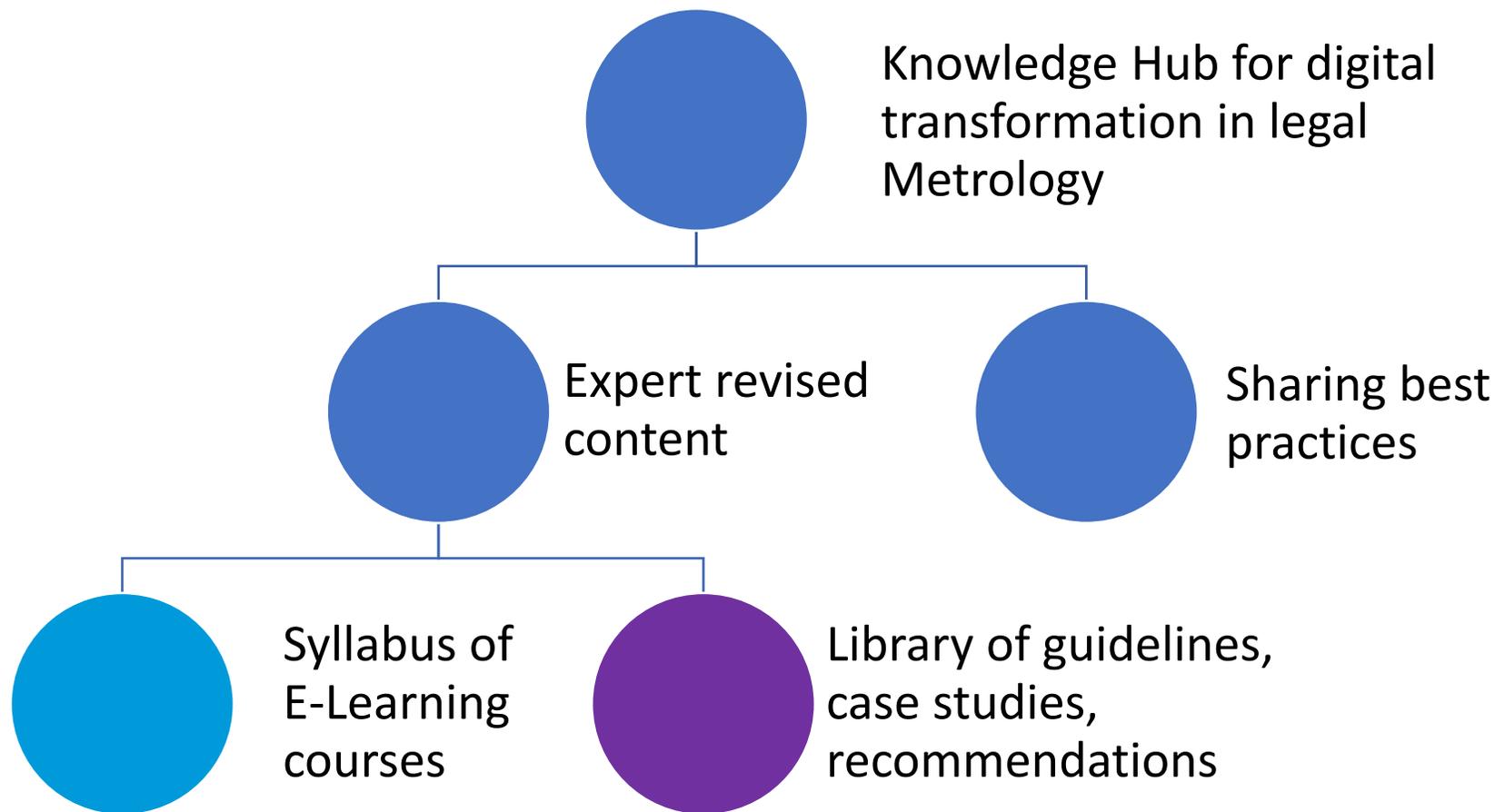


DTG SC e-Learning – Vision

- **Compilation and creation of content** for an OIML e-Learning platform that serves as knowledge hub for digitalization in legal metrology
- Metrologists will be introduced into the subject of digital transformation in legal metrology and can **successively increase their knowledge with modularly built e-Learning courses** for self-learning
- Ultimately, the OIML e-Learning platform should contain a syllabus of e-Learning modules on **foundations of digital transformations in legal metrology**, such as common understanding of terms, principles, and guidelines, **as well as distributed technical e-Learning courses**



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