



The European Federation of National
Associations of Measurement, Testing
and Analytical Laboratories

EUROLAB Presentation – Finntesting Seminar

29 May 2024

Representing **since 1990** Testing, Measurement and Calibration laboratories

	<i>Full members</i>
	AUSTROLAB (Austria)
	BELAB (Belgium)
	CROLAB (Croatia)
	EUROLAB-CZ (Czechia)
	EUROLAB Danmark (Denmark)
	Finntesting (Finland)
	EUROLAB France (France)
	EUROLAB Deutschland (Germany)
	Hellaslab (Greece)
	ICELAB (Iceland)
	ALPI (Italy)
	FENELAB (Netherlands)
	POLLAB (Poland)
	RELACRE (Portugal)
	EUROLAB Spain (Spain)
	EUROLAB Sverige (Sweden)
	EUROLAB CH (Switzerland)

 **17** Full Members

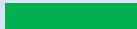
 **3** Associated Members

 **1** Observer Member

 **3** International Affiliates

eurolab

Grouping over **3 000** conformity assessment bodies and representing **over 150 000** technical experts and laboratory practitioners

	<i>Associate members</i>
	LEBLAB (Lebanon)
	MAKLAB (FYROM)
	TURKLAB (Turkey)
	<i>International affiliates</i>
	ASCOLAB (Congo)
	NLA-SA (South Africa)
	NCSLI (USA)
	<i>Observer members</i>
	Croatian Metrology Society HMD (Croatia)



EUROLAB SECRETARIAT in Brussels: Active on a Strategic and Operational level

Engagement and
collaboration with **EU
institutions** and **key
stakeholders**

Following and engaging
on **EU legislation** and
**international
developments**



Laura Martin
Secretary General



Francesca Poma
Policy Officer Intern

Publication of
**newsletter, Technical
and Policy papers** and
**Communication
materials**

Organising **meetings,
trainings** and **events**

Positioning and raising
awareness within
laboratory communities

Research, Drafting and
Participating in **EU
projects**

EUROLAB PRIORITY AREAS 2024

Regulation Bodies

Developments in European legislation on testing, conformity assessment and product safety in the fields:

- ESG

Sustainability, Green Deal,
Corporate Social Responsibility

- Food

- Medical Devices

- Energy

- Metrology and Calibration

- Accreditation and Standardisation

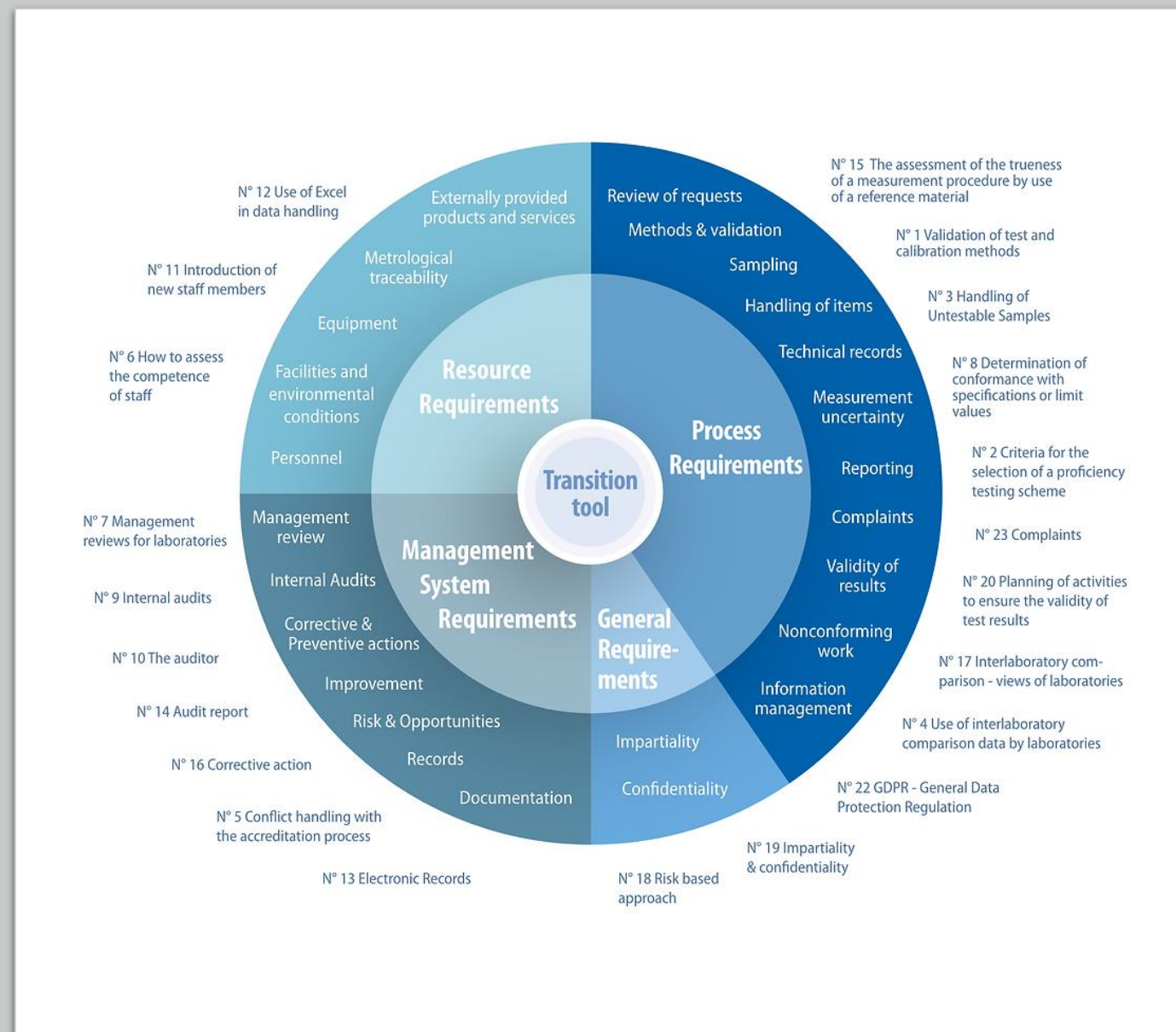
- The Lab of the Future

Machine learning, Digitalisation,
Cybersecurity, Robotisation, AI,
Blockchain, etc.

EUROLAB TCQA:

Technical Committee on Quality Assurance

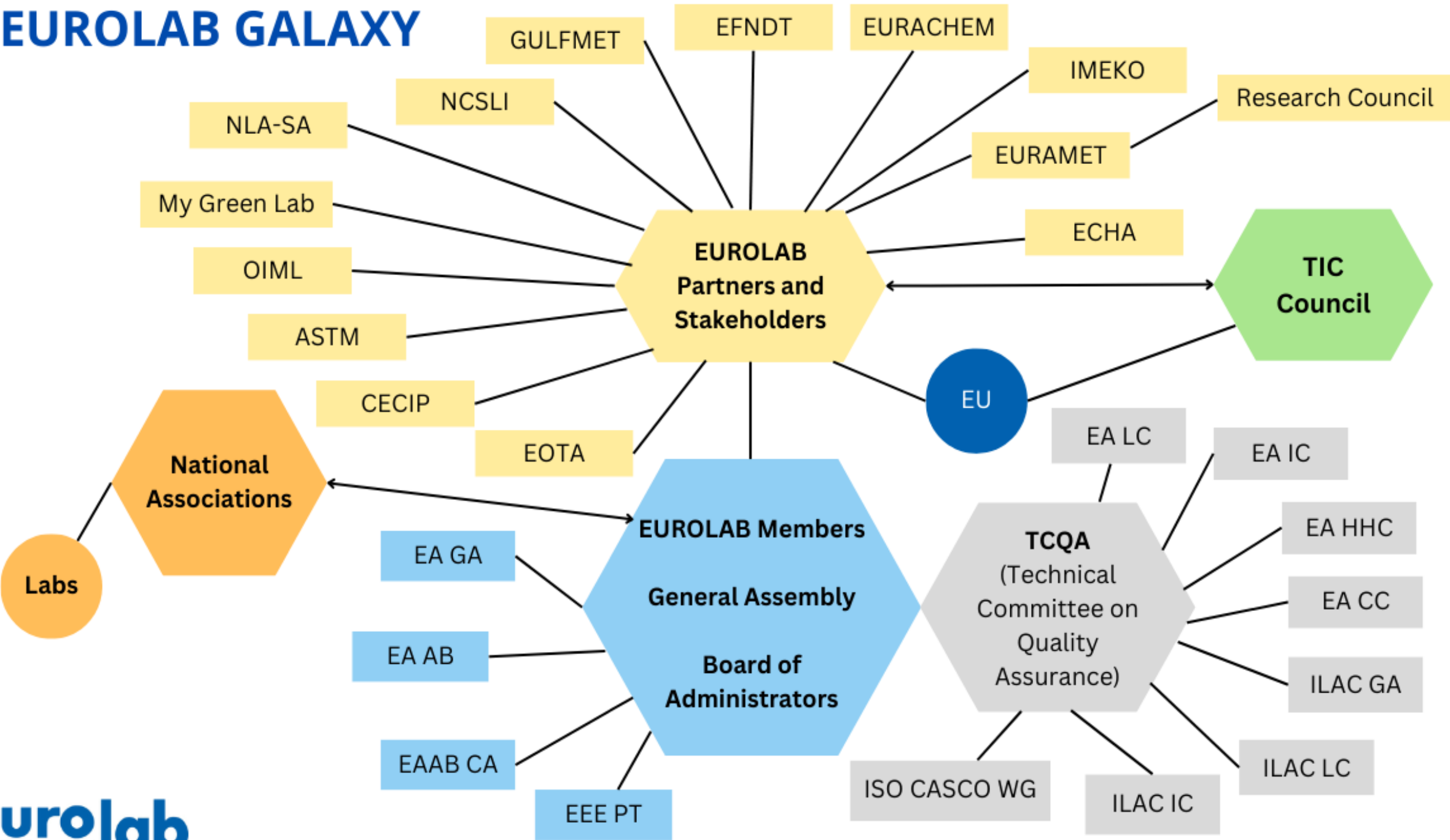
- Cook Books on ISO 17025 and technical reports
- Webinars on key technical issues
- International exchange forum for laboratories
- Working Groups on identified priority topics
 - Accreditation & Standardisation
 - Cook Books & Technical Reports
 - Digitalisation
 - Sustainability





ENGAGEMENT STRATEGY WITH STAKEHOLDERS

EUROLAB GALAXY



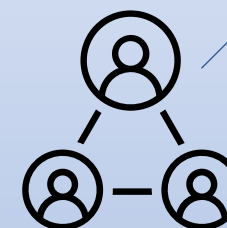
KEY PRIORITIES AND STRATEGIC ENGAGEMENT WITH STAKEHOLDERS

- **On a technical level through:**

- participation in different technical working groups
- sharing of best practices & preparation of joint technical documentation
- organisation of technical roundtables on issues of relevance

- **On a strategic level through:**

- building a strong representation for the Lab community on a European and International scale
- raising awareness on key policy priorities and build joint positions when possible
- promotion and co-ordination of scientific knowledge transfer and experience
- organise joint trainings and events to bring an added value in supporting the laboratories' evolution
- contributing to building up a strong European Quality Infrastructure



RECENT ENGAGEMENT STRATEGIC ACTIONS WITH STAKEHOLDERS



INTERNATIONAL METROLOGY CONGRESS
CIM2025

EUROLAB Secretary General L. Martin is part of the **CIM Organising committee meetings** – on monthly basis online for the *International Metrology Conference CIM 2025*

EUROLAB signed the *Technical Cooperation Agreement with GULFMET* to enlarge collaboration within the Gulf Area

EUROLAB President P. Moscatti participated at the GULFMET conference in Dubai on the 24 April 2024 giving a presentation on “Sustainability and Digitalisation leading the Lab of the Future”

 **Eurachem**

EUROLAB has been supporting EURACHEM’s webinar and it has been engaging in the upcoming Presidency

EUROLAB has been collaborating on the Joint Task Group leading the drafting of the *Validation of Measurement Procedures that Include Sampling document (VaMPIS)* - Collaboration via the joint EEE-PT



EUROLAB has engaged in continuous communication with EURAMET's Secretariat and gave a presentation at the annual meeting of the **EURAMET TC for Metrology in Chemistry**, in February

EUROLAB has contributed to the IMEKO newsletter and keeps on fostering the continuous working with **IMEKO's technical committees**

EUROLAB is engaging with IMEKO in the project proposal: “ *Building Methodological Infrastructure for Testing Employee Knowledge in Laboratories According to ISO/IEC 17025:2017* ”



EA COMMUNICATION NETWORK MEETING - 3rd April 2024



EUROLAB Secretary General L. Martin representative in EA GA and EA COMMs Network, engaging and finding collaboration opportunities with EA members and stakeholders

EUROLAB PROJECTS



Qualification training for laboratory staff in areas related to digitalisation – Erasmus+

Project aims at developing an online platform providing laboratory experts access to the latest and most relevant education



Draft proposal for the application to an EU Horizon Programme on the topic of blockchain

EUROLAB is currently discussing collaboration opportunities with various stakeholders that are directly involved and working on the topic of blockchain

**METROLOGY
PARTNERSHIP**



**EURAMET Metrology Partnership
Industry Call 2023**

EUROLAB joined the consortium working on the proposal **“Food contaminants in the circular economy: Metrology underpinning informed strategies for recycling of packaging and for food safety”**



Erasmus+ Capacity Building VET

EUROLAB joined the consortium working on the proposal for this EU-funded project on **“Environmental sustainability of clinical analysis laboratories - BIOLABs”**

EUROLAB added value to its members

SECRETARIAT SHARE OF INFORMATION, EVENTS AND LOCAL SUPPORT

- **Accreditation and standardisation** knowledge sharing
- Information provision of **relevant developments at the European and international level**
- Participation and support in **trainings, seminars and events**
- Raise **visibility of members' local activities** through our communication channels

1

EXCHANGE OF TECHNICAL EXPERTISE THROUGH THE TCQA

• **Discussion platform with experts** through our TCQA and WGs

• Access to **technical reports and Cook Books** and possibility to co-author any new/updated versions

• Organisation of **trainings/seminars on technical issues**

2

EUROLAB added value to its members

VISIBILITY AND AWARENESS RAISING FOR THE LABORATORY COMMUNITY IN EUROPEAN AND INTERNATIONAL FORA

3

- Facilitated access to the **EU institutions and various European Commission DGs**
- Representation in **international and European accreditation/standardisation**
- Contacts with local directors to address issues and concerns at the national level

COLLABORATION AND PROJECT OPPORTUNITIES FOR OUR MEMBERS WITH KEY STAKEHOLDERS

- Participation in **call for tenders and project funding** opportunities
- Opportunities for members to be **official stakeholders in EU organisations**
- Representation in **key EU agencies/associations and their TCs**
- Facilitated **collaboration platform with key international stakeholders**

4

Communications: Activities and Key Publications

EUROLAB PUBLICATIONS

EUROLAB Newsletter No. 1/2024



EUROLAB Annual Report 2023

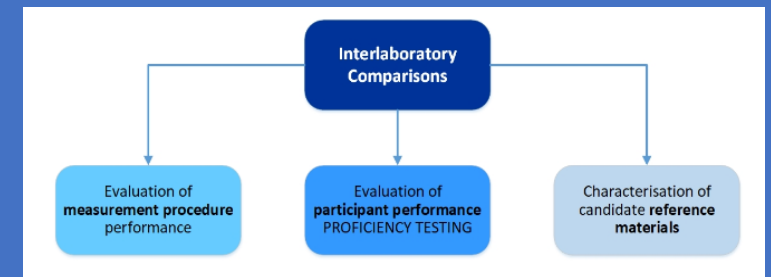


General Assembly Highlights 2024



JOINT PUBLICATIONS

EEE-PT Joint WG Leaflet "Interlaboratory Comparisons other than Proficiency testing"





EUROLAB Raising awareness

EVENTS

EUROLAB **National Members' Meeting** on 17-18 October 2024 in Athens (Greece), hosted by HellasLab.



President P. Moscatti participated in the Labsummit as a speaker

labsummit® 2024



eurolab

Institutional Sponsor

Join us at labsummit
16—18 May 2024

Convento São Francisco
Coimbra, Portugal

More info at
labsummit.com



EUROLAB meetings with its **members** to enhance collaboration and brainstorm project opportunities



EUROLAB **General Assembly 2025**

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Achievement of 10k on LinkedIn



Video for the World Laboratory Day

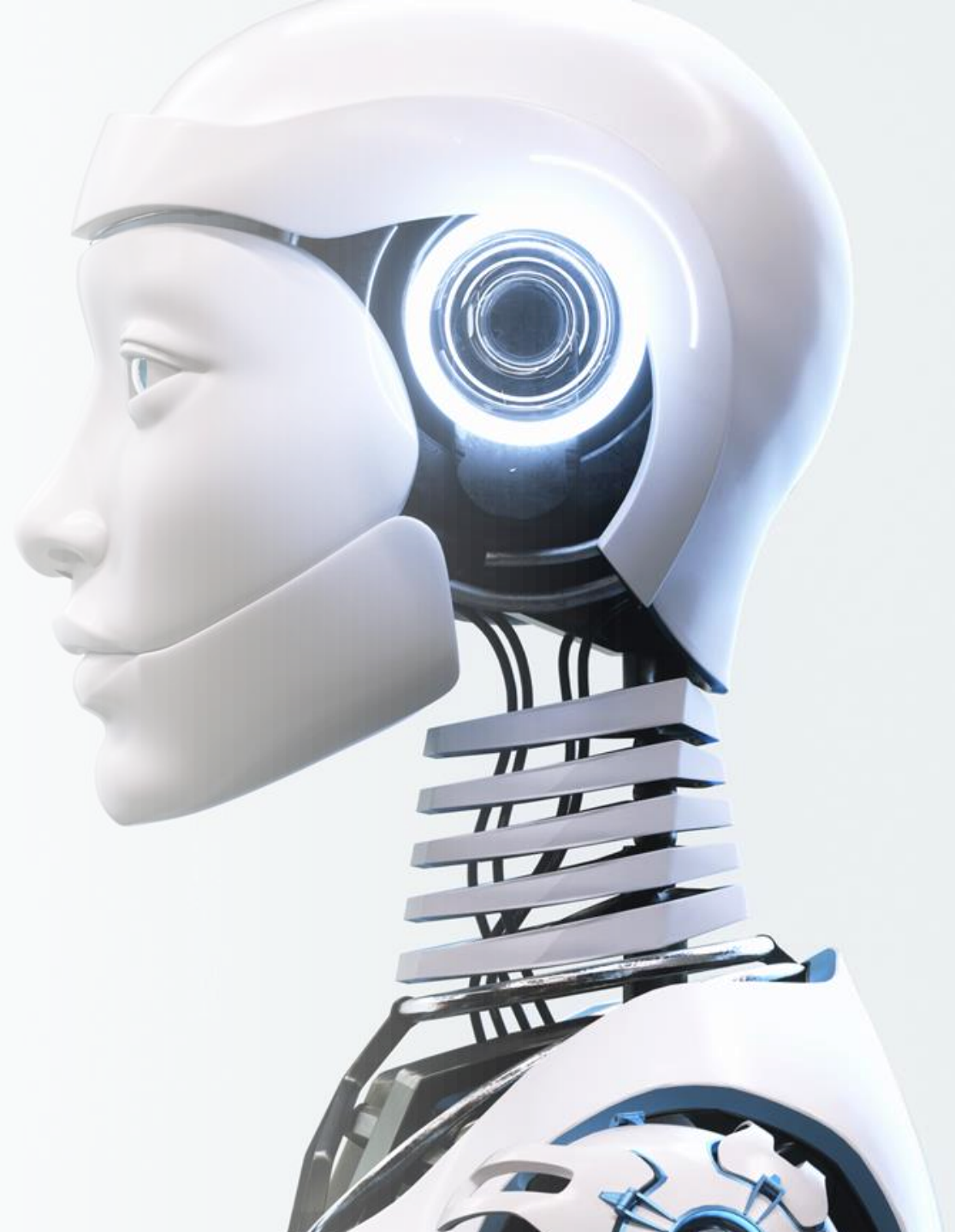




THE LAB OF THE FUTURE

KEY TOPIC:

Activities and results from the survey



Projects on The Lab of the Future



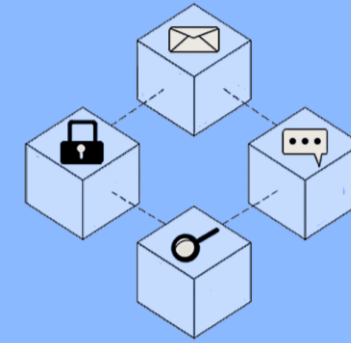
EUROLAB Project - Proposal for a qualification training for laboratory staff in areas related to digitalisation



Develop an online platform providing laboratory experts access to the latest and most relevant education and training materials on specific topics that are foreseen as key in the laboratory of the future.



Data management, Robotisation and automation, The sustainable future of your lab



Blockchain

['bläk-,chän]

A digital database or ledger that is distributed among the nodes of a peer-to-peer network.

Draft proposal for the application to an EU Horizon Programme on the topic of blockchain “Proposal for the use of an open Blockchain to ensure conformity assessment documents traceability in the international market”.



THE LAB OF THE FUTURE

EUROLAB Survey on the level of digitalisation within the laboratory community

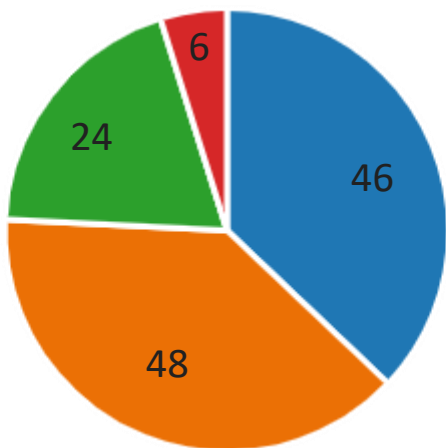


The survey aims to identify the current status of digitalisation within the laboratories, their needs and key challenges for a sustainable digitalisation strategy, and the next steps and topics that EUROLAB could consider to support its members in this process.

EUROLAB survey

Digitalisation needs and challenges

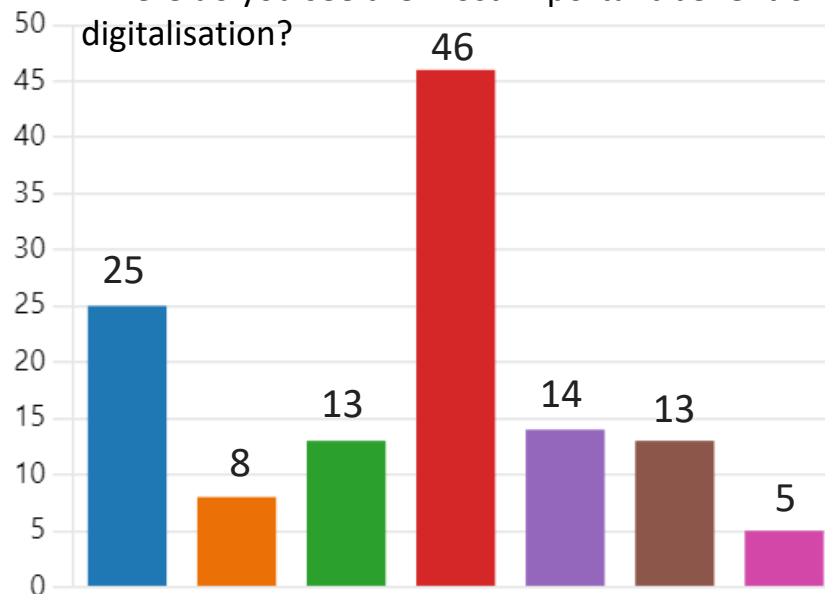
Do you and your employees educate yourselves about digital technologies which could be useful?



- Yes, continuously
- Not continuously, but we are following news about digital trends and solutions and pick education of interest from time to time
- Only if there is an urgent need
- No, i.e. I can't remember when we had last education or some information about the newest digital trends and solutions for laboratories

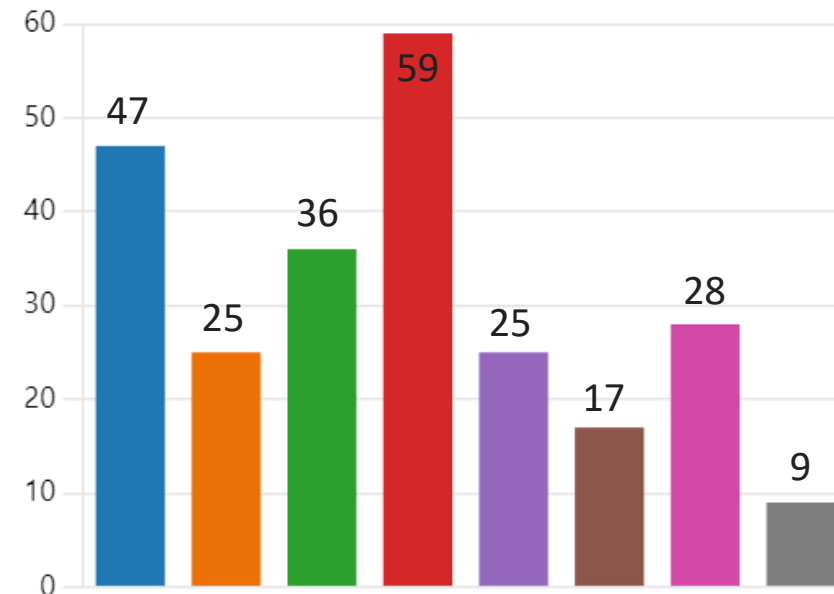
- Transferring data from measuring instrument to PC or notebook
- Automatic formatting of data, i.e. the decreased time needed for formatting
- Automatic calculations needed for the report, i.e. decreased time needed for formatting
- Automatic generating of the final report, i.e. decreased time needed for writing the report
- Automated data analysis such as machine learning algorithms and models, etc.
- Communication with the customer
- Communication with various institutions, like legal/accreditation bodies, metrology institutes, etc.

Where do you see the most important benefit of digitalisation?



- The costs for digitalisation
- Lack of IT infrastructure
- Lack of expertise or staff training in digital tools
- Difficulty integrating digital tools with existing systems
- Security and data privacy concerns
- Lack of awareness of available digital tools
- Lack of interoperability/compatibility between different applications and IT systems, e.g. problems with different data formatting, etc.
- Other

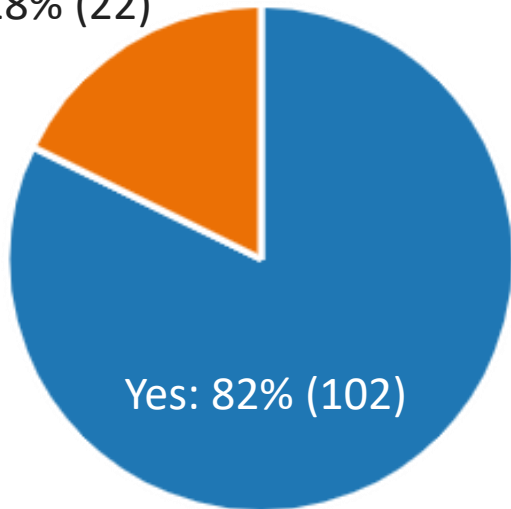
What are the primary challenges your laboratory faces when it comes to digitalisation?



EUROLAB support and possible actions

Would you be interested in attending trainings/seminars organised by EUROLAB around issues related to the digitalisation of laboratories?

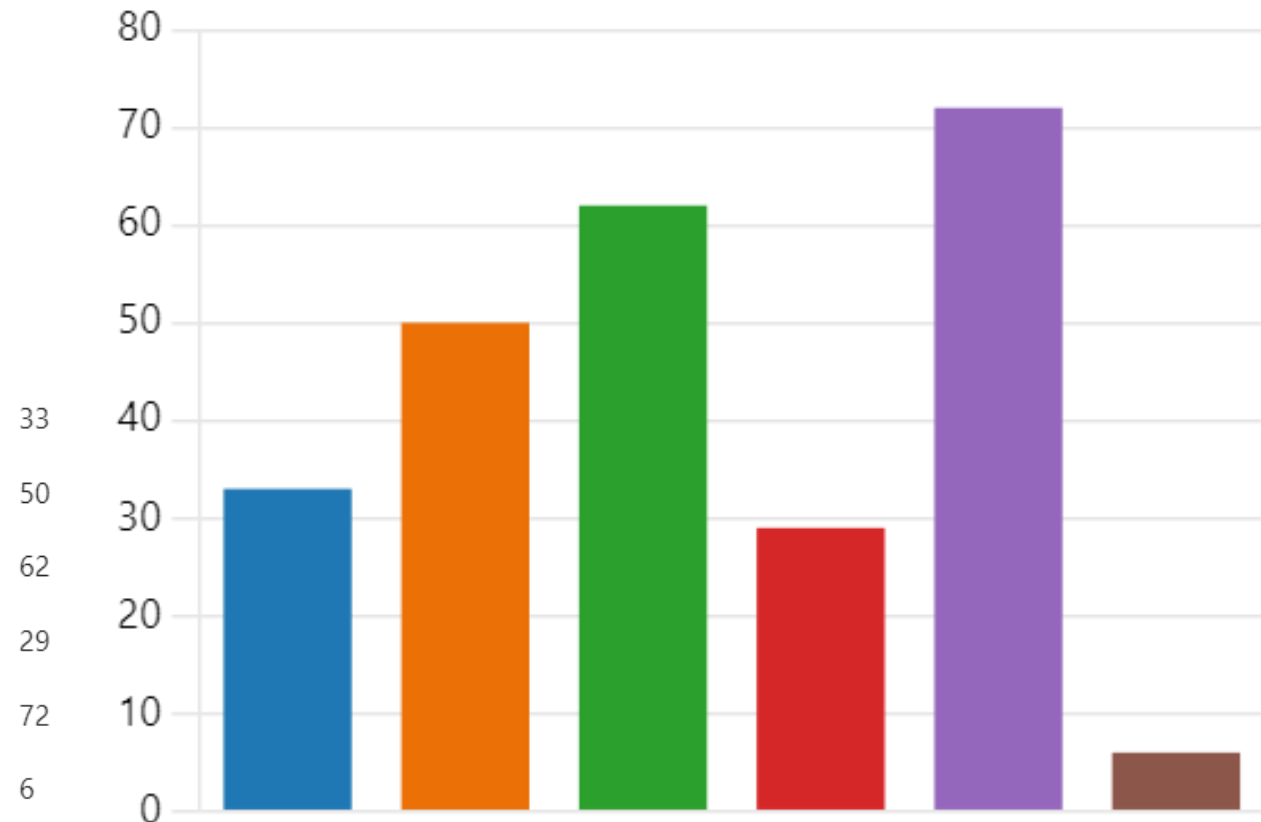
No: 18% (22)



Yes: 82% (102)

- Blockchain technologies
- The use of Artificial intelligence
- The use of management systems (e.g. LIMS)
- Connected machines/robotics
- Building the digital strategies for labs
- Other

On which specific topics?



WEBINARS AND TRAININGS

EUROLAB organised a high-level webinar on the topic of the **Lab of the Future**
Recordings are available contacting:
info@eurolab.org





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Thank you!

EUROLAB Secretariat

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