

# 17<sup>th</sup> EURAMET GA – Plenary Session Minutes



Final 31/07/2023  
Online meeting, 31<sup>st</sup> May – 1<sup>st</sup> June 2023

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<b>Time</b>	Wednesday 31 <sup>st</sup> May 2023 <b>9h00 to 18h00 EEST</b> Thursday 1 <sup>st</sup> June 2023 <b>9h00 to 15h30 EEST</b>
<b>Place</b>	Hybrid meeting (Metrosert, hosted at the Estonian Academy of Sciences, Kohtu 6, 10130, Tallinn, Estonia / Microsoft Teams)
<b>Participants</b>	EURAMET Delegates Representatives of EURAMET Associates and Liaison Organisations TC-Chairs, incoming TC-Chairs, EMN-Chairs, JRC Representative, ME and GEOSTM as Corresponding Applicants, KMA Representatives, Working Group Convenors Research Council Staff of EURAMET Secretariat (for support)

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## **Minutes:**

<b>Keeper:</b>	Julien Vuillemin-Toledo    EURAMET Member Service Manager
<b>Approved</b>	By participants of the plenary session, as of 31 <sup>st</sup> July 2023
<b>Distribution</b>	Delegates and Alternates of EURAMET Members Representatives from EURAMET Associates Representatives from Liaison Organisations TC-Chairs EMN-Chairs BOD-WG Convenors Research Council Invited Guests to the GA EURAMET Secretariat
<b>Note</b>	Documents to which reference is made in these minutes and PowerPoint presentations given during the meeting are available on the EURAMET website under “General Assembly” (direct link: <a href="https://www.euramet.org/publications-media-centre/events/detail/event/17th-euramet-general-assembly">https://www.euramet.org/publications-media-centre/events/detail/event/17th-euramet-general-assembly</a> )  These minutes will not give summaries of the presentations at the meeting.

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## **1<sup>st</sup> Day of the Plenary Session – 31<sup>st</sup> May 2023**

### **G17.01 Welcome address**

Chairperson Jörn Stenger welcomed the participants of the 17<sup>th</sup> EURAMET General Assembly (GA) Plenary Session, organised as a hybrid meeting to allow maximum participation. He thanked BoD Member and Director of Metroserit Aigar Vaigu for hosting the event. After a brief welcome address, he gave the floor to Mr. Andres Sutt, MP and former Estonian Minister for Economy. He reminded the historical importance of education in Estonia to support the national development. The Academia of Science that hosted the EURAMET GA was a perfect illustration of that paradigm; science paving the way to structured, trustworthy and breakthrough evolutions. Among these major changes was the accelerated digital transformation of the national economy and society. Mr. Sutt also highlighted that metrology was a key element of the Estonian growth, supporting innovation, competitiveness and sustainable development of the country and in the European Union.

### **G17.02 Opening and adoption of the agenda**

Jörn Stenger opened the Plenary Session of the 17<sup>th</sup> EURAMET GA. The agenda was adopted without changes.

### **G17.03 Report from the Working Session Delegates Only**

The working session for Delegates had been organised the day before (30<sup>th</sup> May 2023) the plenary session. Jörn presented the most important developments since GA 2022:

- EURAMET operations are fully back to normal after the COVID pandemic, the EURAMET core business including work underpinning the Mutual Recognition Agreement and Capacity Building are progressing well.
- The European Partnership on Metrology (EPM) is being implemented successfully, and the BoD has initiated work towards a potential successor initiative.
- Successful developments of relations to Liaison Organisations, with the integration of KazStandard (National Metrology Institute of Kazakhstan) over Summer 2022.
- EURAMET is developing, with ME, Ukraine, and GEOSTM, Georgia, accepted as Corresponding Applicants in November 2022; they also started running their MRA processes under EURAMET since February 2023.

He continued on administrative matters addressed during the Delegates-only session:

1. Amendment of EURAMET Byelaws
2. Elections

**Chairperson elect: Dolores del Campo**, CEM, Spain (succeeding Jörn after GA 2024)

**BoD members:**      **Hanspeter Andres**, METAS, Switzerland

**Isabel Godinho**, IPQ, Portugal

**Michela Segal**, INRIM, Italy

Robert Edelmaier (BEV, Austria) was warmly thanked for his great contributions as a BoD member for 3 terms.

**TC chairs were re-elected for a 2<sup>nd</sup> term**

- TC-AUV                **Enver Sadikoglu**, TÜBITAK-UME, Turkey
- TC-L                 **Sten Bergstrand**, RISE, Sweden
- TC-M                **Zoltan Zelenka**, BEV, Austria
- TC-PR              **Joaquin Campos-Acosta**, IO-CSIC, Spain
- TC-TF              **Joseph Achkar**, LNE-SYRTE, France

Jörn expressed gratitude to Markus Zeier (METAS, Switzerland) and Isabelle Care (CETIAT, France) for their respective commitment in TC-EM and TC-F for 2 terms. Finally, he wished their successors Damir Ilić (FER-PEL, Croatia) in TC-EM and Erik Smits (VSL, The Netherlands) in TC-F, who were elected at the extraordinary EURAMET GA on 17<sup>th</sup> January 2023, best success for their terms.

3. Decision on unit fee increase

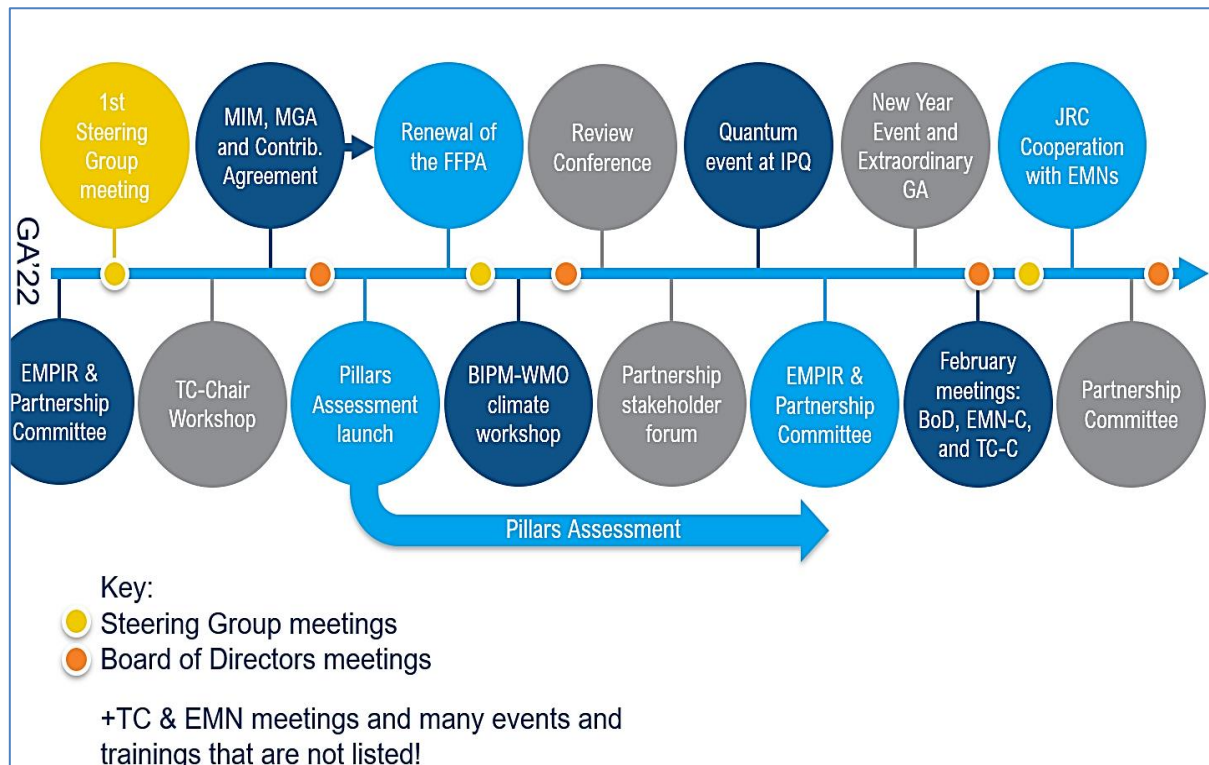
4. Re-structuration of Liaison Organisations

Finally, he announced that the EURAMET GA 2024 will take place in in Teddington, United Kingdom during the week starting 3<sup>rd</sup> June 2024.

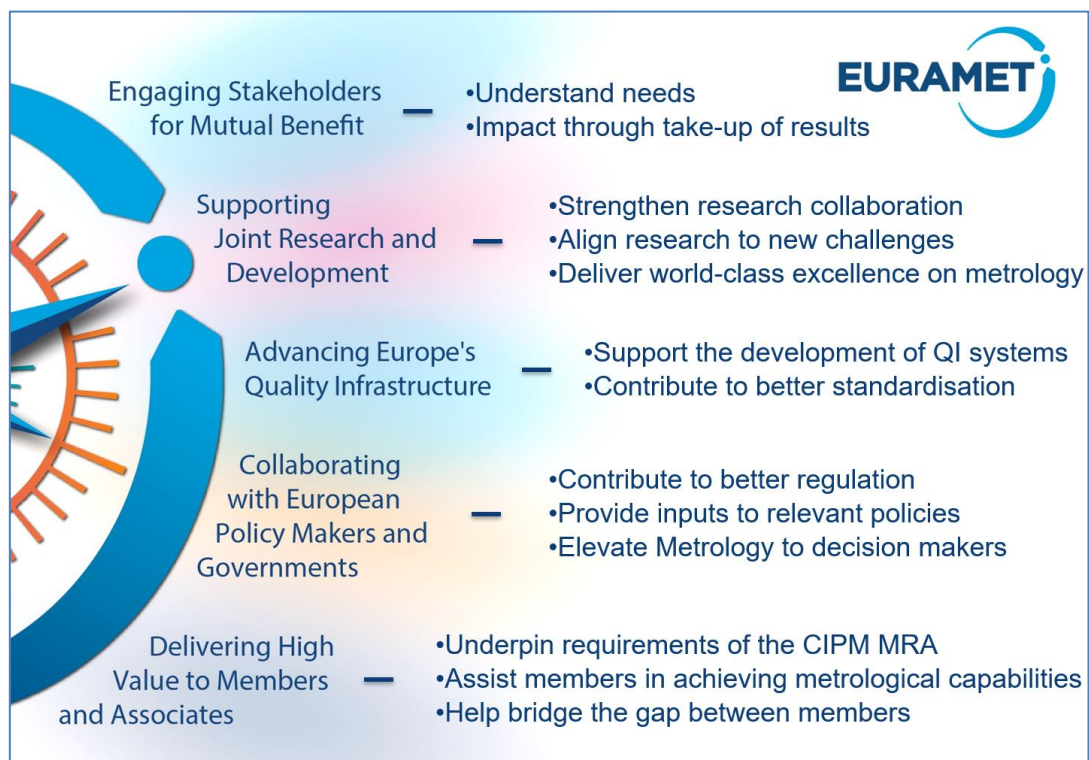
## **G17.04    EURAMET Activities**

### **G17.04.01 General Secretary's overview**

General Secretary Mikko Merimaa gave an overview of EURAMET activities over the last year (from GA 2022 to GA 2023). These highlights summarised the work of the whole EURAMET Community, including BoD, Committees, Work Groups, EMNs, TCs and related SCs, and the Secretariats (in Braunschweig and Teddington – MSU). (Please see illustration after).



All the areas illustrated above were then presented in detail in following slides. Mikko thanked all his colleagues for their excellent work and support to the implementation of the EURAMET 2030 Strategy (5 pillars and related actions illustrated below).



#### **G17.04.02 Member Services and updates on organisation**

Member Service Manager Julien Vuillemin-Toledo presented further details of recent developments of memberships and Chairs (Chairperson-elect), TCs, and BoD members. He highlighted in particular the contributions of his colleagues from the Secretariats (Braunschweig and MSU – Teddington), Technical Committees (TCs, detailed in G17.07), European Metrology Networks (EMNs, detailed in G17.10) and growing collaboration with Liaison Organisations (detailed in G17.06. and G17.08), and Research Programmes (detailed in G17.11).

#### **G17.04.03 Capacity Building**

Vice-Chairperson GA Miruna Dobre, and Capacity Building Officer Tanasko Tasic gave a general update on Capacity Building. After reminding the role of Capacity Building in EURAMET and actions of the “BoD WG on CB” towards capacity building and knowledge transfer, they detailed the recent developments. On these developments, Tanasko presented the implementation of the e-learning platform hosted by BIPM, trainings, a summer school in Temperature and Humidity measurements (11-15 September 2023, Ljubljana, Slovenia), and reminded that altogether 25 projects on Research Potential have been implemented since 2014. It was emphasised that these initiatives benefit the whole EURAMET Community, and contribute to the implementation on the EURAMET 2030 strategy.

#### **G17.04.04 Communications Strategy and Overview 2022 - 2023**

Communications Officer Anne Trumpfheller, and BoD member Aigar Vaigu gave an overview of the EURAMET Communication strategy, illustrated by a selection of implementation actions in 2022 and 2023.

### **G17.05. EURAMET STRATEGY 2030**

#### **G17.05.01 Strategy Status**

Jörn reviewed the implementation status of EURAMET 2030 Strategy along its 5 pillars:

##### **1. Engagement of stakeholders**

Foster stakeholder dialogue, develop long-term partnerships, increase the impact, complete the landscape of EMNs and operate them as the primary tool for stakeholder involvement.

##### **2. Further develop co-operation in R&D**

Deliver world-class fundamental metrology research, develop our core competences, respond to challenges associated to Green Deal, digital transformation, regulation, redefined SI units.

##### **3. Supporting quality infrastructure in Europe and internationally**

Develop a joint harmonised metrology infrastructure, contribute to better standardisation and technical rules, develop cooperation with bodies involved in regulation, esp. WELMEC.

##### **4. Increase influence with European policy makers and nat. Gov's**

Contribute to better regulation, work towards a new relationship with the EC, provide policy advice.

##### **5. Deliver high value to members and associates**

Move to a fit-for-purpose and truly coordinated metrology infrastructure in Europe, assist members in achieving metrological capability where needed, support participation of NMIs and DIs in MRA, facilitate the integration of member NMIs and DIs into EURAMET's activities.

He finally thanked colleagues for their contributions to these developments.



### **G17.05.02. Digital Transformation**

TC-IM Chair Robert Gunn reminded the mechanisms put in place to achieve the digital transformation objectives of the EURAMET 2030 strategy:

- Technical Committees with application in subject area (highlighted after)
- European Metrology Networks with applications specific to a stakeholder community
- TC-IM as a forum to support the development and implementation of EURAMET's strategy for digital transformation. This TC has set up a Working Group on Metrology for Digital Transformation (WGM4D) with a few projects detailed after.

- ⇒ **Project 1448**, on Digital Calibration Certificates (DCCs)
- ⇒ **EMPIR Project 1449**, on good practice in Research Data Management
- ⇒ **Project 1551**, on challenges and opportunities in Sensor Network Metrology

These activities included orientation events or workshops to identify trends and needs related to digital transformation, as well as key topics to progress on in the short term (e.g., uncertainty evaluation for machine learning, trustworthy principles of sensor network metrology). Robert described the active collaboration of WG M4D with other regional and international organisation (e. g. ad-hoc task group of OIML, BIPM, SIM, APMP, EUROLAB) to support worldwide synergies and progress on the topic. He finally invited further EURAMET members to join forces and contribute to pioneering initiatives supporting the digital transformation of measurement science.

The meeting continued with a series of presentations from the BIPM and RMOs. These presentations and related documents are available on the EURAMET website.

## **G17.06 BIPM and RMO reports**

### **G17.06.01 BIPM**

Presentation by Martin Milton, Director of the BIPM

### **G17.06.02 AFRIMETS**

Presentation by Wynand Louw, Head of AFRIMETS Secretariat

### **G17.06.03 APMP**

Presentation by Hyun Min Park, Chairperson of APMP

### **G17.06.04 GULFMET**

Presentation by Amina Hassan Al Bastaki, Chairperson of GULFMET

### **G17.06.05 SIM**

Presentation by Claudia Santo, SIM Executive Secretary

## **G17.07 Technical Committees Highlights**

### **G17.07.01 Overview of Developments**

Robert Gunn introduced the TC Highlights session, summarising TC activities and related developments since last GA in May 2022.

### **G17.07.02 TC highlights on key developments or projects' outcomes**

TC Chairs gave brief overviews with further details, which can be found in their annual reports (please consult the individual TC reports among the meeting documents for further details). This general presentation (also part of the meeting documents) showed a high level of activity and breakthrough developments to support the European industry and society.

## **2<sup>nd</sup> Day of the Plenary Session – 1<sup>st</sup> June 2023**

Jörn welcomed the participants and started by thanking the guests for having organised a very pleasant dinner the evening before.

## **G17.08 Liaison Organisations**

### **G17.08.01 Introduction**

Jörn Stenger gave a brief introduction to welcome the LO presenters.

### **G17.08.02 WELMEC**

Presentation by Pavel Klenovsky, WELMEC Chair

### **G17.08.03 OIML**

Presentation by Paul Dixon, OIML Assistant Director

### **G17.08.04 EUROLAB**

Presentation by Laura Martin, EUROLAB General Secretary and Paolo Moscatti, EUROLAB President

## **G17.09 Important developments amongst EURAMET Members & Associates**

### **G17.09.01 Ukraine – Ministry of Economic Development and Trade of Ukraine (ME)**

Ukrainian Deputy Minister for Economy, Mr. Oleksandr Gryban and Deputy General Director for Metrology in State Enterprise Ukrmetrteststandard Yuriy Kuzmenko gave an overview of the national metrology system and its integration in the international and European scene.



Since ME had joined EURAMET as corresponding applicant in November 2022, they

- have transferred CIPM MRA related activities (mainly ILCs and CMCs) to EURAMET
- have participated in TC annual meetings and other TC initiatives
- look forward to renewing their involvement in research projects under the Partnership


Mr. Gryban thanked the EU, EURAMET members and secretariat for their support to help ME and its DIs to progress and relieve the war burden.

Following that presentation, Jörn thanked Mr. Gryban and Mr. Kuzmenko for their participation. He thanked all colleagues who have supported the integration of ME in EURAMET, especially the Member Service Manager Julien Vuillemin-Toledo, and confirmed EURAMET's commitment to further support where possible the integration Ukraine's metrology and QI system in EURAMET and the European QI, respectively.

#### **G17.09.02. Georgia – Georgian National Agency for Standards and Metrology (GEOSTM)**

The director of the GEOSTM Metrology Institute, Nino Mikanadze, gave an overview of the national quality infrastructure, and described the ambition to fully integrate in the European and International quality systems. She highlighted the achievements of GEOSTM under the CIPM MRA.



GEOSTM CMC entries in BIPM database		
<div>  <b>Bureau International des Poids et Mesures</b> </div> <div> 65 results  <small>To filter, either use the tick boxes or click on the underlined item.</small>  <input checked="" type="checkbox"/> General physics (63)  <input checked="" type="checkbox"/> Ionizing radiation (2) </div> <div> <small>In the CMCs uncertainty statements, the notation <math>Q[a, b]</math> stands for the root-sum-square of the terms between brackets: <math>Q[a, b]</math>. Unless otherwise stated the expanded uncertainties given below correspond to <math>k = 2</math> (at a 95 % level of confidence).</small>  Georgia, GEOSTM (Georgian National Agency for Standards and Metrology) </div>		
Fields	Number of CMCs published	Month/Year
(T) Thermometry and thermal physics Relative Humidity	31 3	March/2014, March/2020 July/2021
(EM) Electricity and Magnetism	18	March-May/2015 March/2020
(M) Mass and Related quantities Mass standards	5	May/2015 October/2020
Pressure	2	May/August/2020
Liquid flow	3	March/2021
IR (Ionizing Radiation)	2	May/2019
L (Length)	1	July/2020
<b>Total</b>	<b>65</b>	

Since GEOSTM had joined EURAMET as corresponding applicant in November 2022, they

- have transferred CIPM MRA related activities (mainly ILCs and CMCs) to EURAMET
- have participated in TC activities and annual meetings
- plan an onsite peer review of their QMS in the second half of 2023 and an initial presentation of it in TC-Q


**GEOSTM Institutional Development programs (CIB)**

GEOSTM as one of the important institutions involved in EU-Georgia Deep and Comprehensive Free Trade Agreement (DCFTA) became one of the beneficiaries of EU funded CIB (Comprehensive Institution Building) program. **The program was divided into 3 phases.** Total budget of GEOSTM CIB program was around € 5 200 000. Duration of the implementation of 3 phases **2013-2017**.



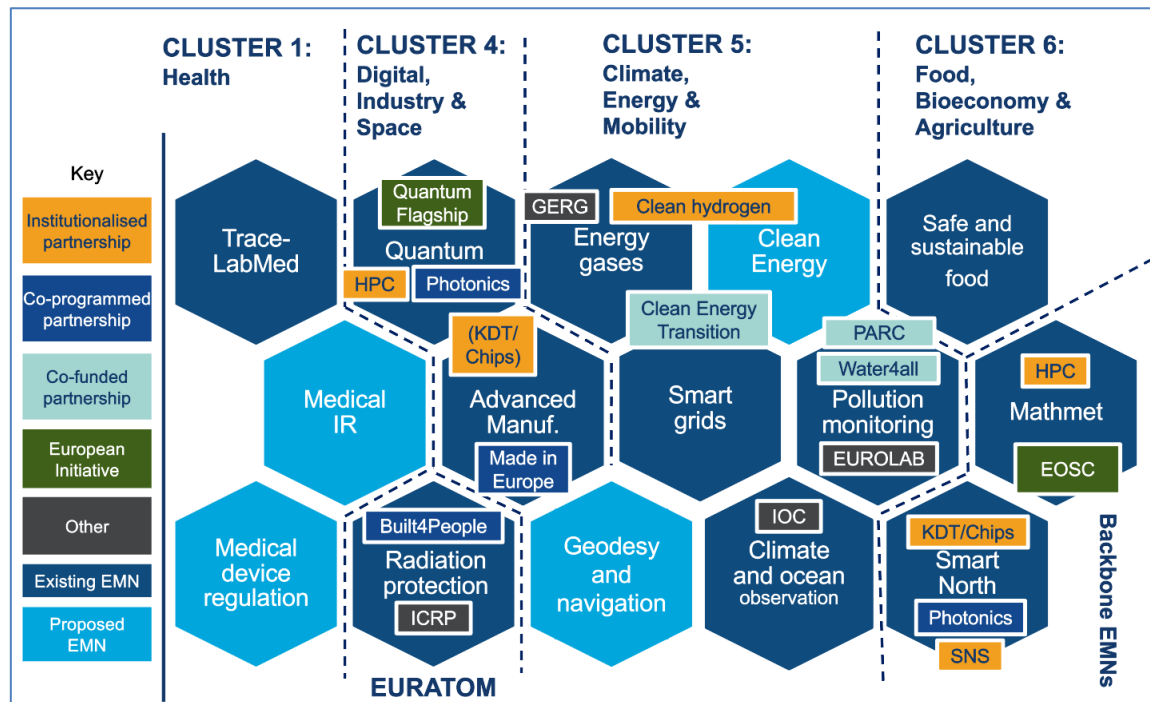
EU twinning project “Strengthening of institutional as well as human capacities of Georgian National Agency for Standards and Metrology (GEOSTM) according to the international/EU best practices” – implemented by Italian/Spain consortium, (2021-2023).

Finally, Nino thanked the EURAMET community and secretariat for their support to fully integrate the association in due time.

## **G17.10 EMN Highlights**

### **G17.10.01 EURAMET vision on EMN's**

The convenor of the GA WG on EMNs, Hans Arne Frøystein, presented a general vision on EMNs developments. Individually, they are well aligned with and supporting the implementation of EURAMET 2030 strategy. This vision on EMNs is also well integrated in the European research landscape with a comprehensive group of networks addressing the Horizon Europe challenges (as illustrated after).



## G17.10.02 EMNs' achievements and Plans

Representatives of EMNs provided highlights on their respective EMNs' developments, as illustrated in the following sequence.

Topics	EMNs
Energy: A clean and efficient energy transition	Energy Gases, Smart Grids
Environment and oceans: Protecting our biodiversity and ecosystems	Pollution Monitoring, Climate & Ocean, Radiation protection
One health: A better health for all	TraceLabMed, Safe and Sustainable Food
Industry: An industrial strategy for a competitive, green and digital Europe	Quantum, Advanced Manufacturing
Interdisciplinary	Smart North, Mathmet

**Note:** their presentations are available among the meeting documents on the EURAMET website.

## **G17.11 EMPIR & the Partnership on Metrology – Status**

EMPIR / Partnership Chair Maguelonne Chambon gave an overview on the development status of the research programmes, EMPIR and the newly implemented European Partnership on Metrology (EPM).

### European Partnership on Metrology



**Objective:** To create, by 2030, a world-class sustainable and coordinated system for metrology at European.

- A robust, **sustainable, excellent and coordinated** European Metrology Infrastructure
- To ensure state-of-the-art metrology R&D taken up by **innovators**
- To increase impact** of metrology (industry, Society..)
- Address **European and global challenges**, including:
  - European Green Deal
  - UN Sustainable Development Goals
  - The Digital transition, European Industry strategy, KET
  - Better Health for All



**Budget ambition  
up to now  
~ 690 M€**

- 390 M€ from Member States
- 300 M€ EC funding
- 23 countries
- UK situation

**=> still to be followed**

**Further information:** <https://www.euramet.org/partnership>

She then gave an overview on major EPM developments since the EURAMET GA 2022.



## European Partnership on Metrology



**Developments from last GA up to now**



**Contract amendment has to be done during summer 2022**


- FFPA and MGA have been agreed with EC in September
- Contribution agreement for call 2021 signed
- All contracts for call 2021 have been emitted by MSU and signed (October), and all funded beneficiaries are getting pre-financing.
- 16 JRPs of Call 2021 officially started 😊




**EU Pillar  
assessment  
successful**

These developments included pioneering research projects, and several stakeholder events.

## Partnership on Metrology – Some JRPs



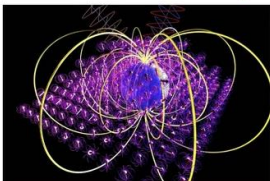


**2021**

- Carbon capture and storage
- Hydrogen supply chain
- Earth biosphere
- Emerging wireless standards
- Emerging EMC standards

**2022**

- Innovative nanotherapeutics
- Assessment of image-based AI systems for disease detection
- Genomic for diagnosis of early cancer detection
- Quantum based traceability of the Pa
- New generation of lamps for radiometry and photometry
- Trustworthy virtual experiments and digital twins
- Standardisation of hydrogen fuel sampling for heavy duty H<sup>2</sup> transport
- Radiation protection dosimeters



**Note:** her presentation his available among the meeting documents on the EURAMET website.

## **G17.12 Dialogue with the BoD**

Jörn opened the dialogue with the BoD, inviting the participants to ask any questions, comments or suggestions they had.

The following questions were raised:

- ***What is the plan to assure the sustainability of EURAMET?***

Based on the permanent missions of the members EURAMET is sustainably constituted. Its activities to support the development of the measurement science in Europe and at international level will naturally continue for ever. Depending on the evolution of research programmes, means may vary, however the in-kind contributions of members and staff involved in TC and EMN activities, which represent our principal technical foundations, will remain.

- ***What are your wishes for the future?***

- ✓ TCs contribute a lot from a technical point of view. It would be great if they could as well participate more in the definition of strategic developments.
- ✓ Maintain an active collaboration and support synergies between members, TCs and EMNs.
- ✓ That metrology and the work of EURAMET members gain visibility at governmental and societal level. Promoting via all relevant media (LinkedIn, Twitter, YouTube, Instagram, technical and general public media), in coordination with members' communications' department measurement science and its contribution on a day-to-day basis to industry, economy and society. Elevating awareness on the contribution of metrology to support daily activities and innovation, we could expect more financial support to carry on research activities that will sustain European competitiveness on the international scene (e. g. vs USA and China).
- ✓ That administrative activities in research projects are kept to the minimum necessary level to give more time to metrology scientist to dedicate on their core job and produce breakthrough findings.

- ***Shall we follow BIPM / CIPM / International metrology strategies?***

The harmonisation of the international metrology system is at its core and cooperation with other RMOs and the BIPM is essential. CIPM decisions such as technical decisions related to the SI are binding. On political level, the European NMIs have to comply with decisions of their governments and EURAMET should develop its own strategy in line with the European policies and according to the decisions of its Members.

## **G17.13 Chairs Handover**

Jörn thanked Robert Edelmaier for his commitment as BoD member and contributions to EURAMET. He then thanked Isabelle Care and Markus Zeier for their commitment as TC Chairs in respectively TC-Flow and TC-EM. He wished all the best to Dolores del Campo who will succeed him after GA 2024, and newly (re-)elected members of the Board of Directors, Isabel Godinho, Michela Sega and Hanspeter Andres.



Jörn then thanked the participants for their time and support to the GA, and in particular the Metroserf colleagues (Aigar, Mari, Arle, Jaanus, Maidu, Helina, Veronika, Amir), who hosted and co-organised the event.

Following that handover part, Jörn announced that the 18<sup>th</sup> EURAMET GA 2024 would take place at NPL, in Teddington, United Kingdom from the week starting 3<sup>rd</sup> June 2024.

With no other business to be discussed, the General Assembly was closed.

## ANNEX: List of Participants

Name	Institute	Country	31 May 2023	1 June 2023
Achkar, Joseph	LNE-SYRTE	France		
Al Bastaki, Amina	GULFMET		Online	Online
Andres, Hanspeter	METAS	Switzerland		
Aru, Mari	Metrosert	Estonia		
Auerbach, Dagmar	EURAMET			
Baldan, Annarita	VSL	Netherlands		
Bender, Jutta	EURAMET			
Blattner, Peter	METAS	Switzerland		
Bergstrand, Sten	RISE	Sweden	Apologies	Apologies
Bonnaud, Bertille	LNE	France	Online	Online
Bošnjaković, Alen	IMBiH	Bosnia and Herzegovina		
Bosse, Harald	PTB	Germany		
Brown, Richard	NPL	United Kingdom		
Bushrani-Ibraimi, Sebahat	KMA	Kosovo *		
Callegaro, Luca	INRIM	Italy	Online	Online
Calpini, Bertrand	WMO, Research Council			
Campos-Acosta, Joaquin	IO-CSIC	Spain		
Care, Isabelle	LNE-CETIAT	France	Online	Online
Cetintas, Mustafa	UME	Türkiye		
Chambon, Maguelonne	LNE	France		
Chunnilall, Christopher	NPL	United Kingdom		
Damitz, Thomas	EURAMET		Apologies	Apologies
de Pooter, Jacco	VSL	Netherlands	Online	Apologies
del Campo, Dolores	CEM	Spain		
Delatour, Vincent	LNE	France	Online	Online
Dixon, Paul	OIML			Online
Dobre, Miruna	SMD	Belgium		
Edelmaier, Robert	BEV	Austria		
Emrulai, Lejla	BoM	North Macedonia	Online	Online
Frazer, Rob	NGML	United Kingdom	Online	Online
Frøystein, Hans Arne	JV	Norway		
Godinho, Isabel	IPQ	Portugal		
Grenon, Thomas	LNE	France		
Gryban, Oleksandr	ME	Ukraine		
Gudelis, Arunas	FTMC	Lithuania		
Gunn, Robert	NPL	United Kingdom		
Hamiti, Drita	KMA	Kosovo *		

Name	Institute	Country	31 May 2023	1 June 2023
Heinonen, Martti	MIKES - VTT	Finland		
Hetherington, Paul	NSAI NML	Ireland	Online	Online
Hoffmanova, Silvie	EURAMET		Online	Online
Ikonen, Erkki	MIKES - VTT	Finland		
Imkamp, Dietrich	Zeiss, Research Council		---	Online
Mihail-Razvan, Ioan	IFIN-HH	Romania	Online	Online
Jahn, Kirsten	EURAMET			
Johansson, Jan	RISE	Sweden		
Kakoulides, Elias	EXHM/GCSL-EIM	Greece	Online	Online
Kamensky, Maros	SMU	Slovakia		
Kanakrieh, Omar	GULFMET			
Katana, Nataliia	ME	Ukraine	Online	Online
Klenovský, Pavel	CMI	Czechia		
Kopac, Samo	MIRS	Slovenia		
Kowal, Aleksandra	INTiBS	Poland	Online	Online
Kuzmenko, Iurii	SE "UKRMETR-TESTSTANDART"	Ukraine		
Lapuh, Rado	MIRS	Slovenia	---	
Levi, Filippo	INRiM	Italy	---	Online
Liesch, Claude	ILNAS	Luxembourg		
Lindberg, Mans	EC			
Lodetti, Stefano	NPL	United Kingdom		
Loizides, Loizos	MCIT	Cyprus	Apologies	Apologies
Low, Wynand	AFRIMETS		Online	Online
Mangutova-Stoilkovska, Biana	BoM	North Macedonia	Online	Online
Marina, Ludmila	LATMB	Latvia		
Martin, Laura	EUROLAB		Online	Online
Merimaa, Mikko	EURAMET			
Mikanadze, Nino	GEOSTM	Georgia		
Mikiel, Marcin	GUM	Poland	Online	Online
Milton, Martin	BIPM, Research Council			
Mooneram, Sanjiv	NPL	United Kingdom		
Moscatti, Paolo	EUROLAB, Research Council		Online	Online
Nagyné-Szilágyi, Zsófia	BFKH	Hungary	Online	Online
Näykki, Teemu	MIKES-SYKE	Finland		
Novosel, Brankica	DZM	Croatia		
Park, Hyunmin	APMP			
Pavlasek, Peter	SMU	Slovakia		

Name	Institute	Country	31 May 2023	1 June 2023
Pennecchi, Francesca	INRiM	Italy		
Petersen, Jan C.	DFM	Denmark		
Petrovic, Nikola	DMDM	Serbia		
Pianih, Alexei	INM-MD	Moldova		
Plumeri, Stéphane	LNE	France		
Popa, George-Florian	INM-RO	Romania	Online	Online
Rama, Petrit	DPM	Albania	Online	Online
Redgrave, Fiona	EURAMET		---	
Rempoutsika, Georgia	EIM	Greece		
Rethmeier, Jan	EURAMET			
Ristović Krstić, Milica	IMBiH	Bosnia and Herzegovina		
Robles, José Á.	CEM	Spain		
Röttger, Annette	PTB	Germany		
Rossi, Andrea	INRiM	Italy	Online	Online
Rudtsch, Steffen	PTB	Germany		
Sadikoglu, Enver	UME	Türkiye		
Samuelson, Geir	JV	Norway		
Santo, Claudia	SIM		Online	Online
Sega, Michela	INRiM	Italy		
Smid, Marek	CMI	Czechia		
Smits, Erik	VSL	Netherlands	---	Online
Stenger, Jörn	PTB	Germany		
Tasic, Tanasko	EURAMET			
Testa, Nikola	MCCAA-SMI	Malta	Online	Online
Trumpfheller, Anne	EURAMET			
Vaigu, Aigar	Metrosert	Estonia		
van Veghel, Marijn	VSL	Netherlands		
Voipio, Ville	Research Council		---	
von Klitzing, Klaus			---	Online
Vuillemin-Toledo, Julien	EURAMET			
Vukoslavovic, Goran	BMM	Montenegro	Online	Online
Woolliams, Emma	NPL	United Kingdom		
Yovcheva, Antoaneta	BIM	Bulgaria	Online	Online
Zamfir, Nicolae-Victor	Research Council		Online	Online
Zeier, Markus	METAS	Switzerland		
Zelenka, Zoltan	BEV	Austria	Online	Online
Zvizdic, Davor	FSB-LPM	Croatia	Online	Online

\* (This designation is without prejudice to positions on status, and is in line with UNSC 1244 and the ICJ Opinion on the Kosovo declaration of independence.)