

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

16 - 17 May 2017, Madrid, Spain

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<b>Time</b>	Tuesday 16 May	9h00 – 18h00
	Wednesday 17 May	9h00 – 13h00
<b>Place</b>	Hotel Tryp Madrid Atocha, Calle de Atocha 83, Madrid, Spain	
<b>Participants</b>	EURAMET Delegates Representatives of EURAMET Associates and Liaison Organisations Research Council TC-Chairs TG/WG-Convenors Invited Guests Staff of EURAMET Secretariat	

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## **Minutes:**

<b>Keeper</b>	Wolfgang Schmid, EURAMET Member Service Manager
<b>Approved</b>	By participants of the Plenary Session, as of 3 July 2017
<b>Distribution</b>	Delegates and Alternates of EURAMET Members Representatives from EURAMET Associates Representatives from Liaison Organisations TC-Chairs TG & 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="http://www.euramet.org/about-euramet/general-assembly/">http://www.euramet.org/about-euramet/general-assembly/</a> )  These minutes will not give summaries of the presentations at the meeting.

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## **G11.01 Welcome address**

Chairperson Beat Jeckelmann opened the 11<sup>th</sup> EURAMET General Assembly (GA) and welcomed participants to Madrid.

He explained that this year it is a special GA, because 30 years ago, the Memorandum of Understanding (MoU) for EUROMET was signed in Madrid. This was the reason to come again to Madrid. 10 years ago, EURAMET e.V. was established as legal entity. Beat emphasised on the open spirit of EURAMET, and resumed that much was achieved in the last years, but major challenges are ahead of EURAMET.

### **G11.01.01 Welcome address by the General Secretary of Industry and SME of Spain**

Ms. Bregoña Cristeto Blasco, General Secretary of Industry and SME welcomed participants to Madrid.

In her welcome address, she emphasised on the importance of metrology as a vector of competitiveness. She stressed that Spain was among the founding members of the Metre Convention; the first president of CIPM, General Ibanez de Ibero, was a Spaniard. Spain is very engaged in international and European metrology and has many bilateral agreements, in particular in Latin-American countries. Ms. Cristeto Blanco emphasised on the importance of international cooperation in metrology, as a single country cannot cope with the needs. For that reason, she underlined the importance of EURAMET for Spain and Europe and supported the idea of more coordination within EURAMET.

The full speech can be found in the annex 3.

### **G11.01.02 Overview: CEM and metrology infrastructure in Spain**

Jose Manuel Bernabé, Director of CEM, gave an overview on CEM and the metrology system in Spain (see slides).

## **G11.02 Opening and adoption of the agenda**

The agenda of the meeting was adopted without changes.

## **G11.03 30 years of collaboration in European metrology**

Beat Jeckelmann gave a short overview on the last decades of cooperation in European metrology.

## **G11.04 Report from the Working Session Delegates Only**

The working session for Delegates only took place the afternoon before the plenary session. Beat Jeckelmann gave a short feedback and presented the most important results:

### **a) EURAMET Membership**

INM-Moldova was accepted as Corresponding Applicant.

The Designated Institutes LABSAGAS and IW, both from Bosnia-Herzegovina, were accepted as Associates (A-DI).

### **b) Elections**

Hans Arne Frøystein (Justervesenet, Norway), was elected as Chairperson for the period from 06/2018 to 05/2021. He will join the Board of Directors (BoD) immediately as Chair-elect.

Two new BoD-Members were elected and one BoD-Member was re-elected for a further term for the period 05/2017 to 05/2019:

Zijad Džemić (IMBiH, Bosnia-Herzegovina)	2 <sup>nd</sup> term
Robert Edelmaier (BEV, Austria)	1 <sup>st</sup> term
Hugo Vos (VSL, Netherlands)	1 <sup>st</sup> term

Five TC Chairs were re-elected for a second term:

TC-EM	Luca Callegaro (INRIM, Italy)
TC-F	Petra Milota, BEV (Austria)
TC-L	Harald Bosse, PTB (Germany)
TC-M	Isabel Spohr (IPQ, Portugal)
TC-MC	Hanspeter Andres (METAS, Switzerland)

### **c) Further decisions**

- A revised version of the EMPIR Rules of Procedure (RoP) was approved.
- The budget for 2018 was approved.
- The next General Assembly will be from 28 May to 1 June 2018 in Bucharest, Romania.

## **G11.05 EURAMET activities**

The meeting continued with presentations on strategic and members' support activities of EURAMET. The content of the presentations can be consulted in the PP-slides and further documents which are available on the EURAMET website, and will not be repeated here.

### **G11.05.01 General Secretary's overview**

Presentation by Duncan Jarvis, General Secretary

#### **G11.05.02 Strategic activities of EURAMET**

Presentation by Beat Jeckelmann, EURAMET Chairperson

#### **G11.05.03 Joint research activities: EMRP & EMPIR**

Presentation by Erkki Ikonen, Vice-Chairperson (EMPIR)

#### **G11.05.04 Update on membership and organisation**

Member Service Manager Wolfgang Schmid presented a summary of changes on membership in EURAMET and its bodies since the last GA. Decisions on new members and associates and elections of BoD and TC-Chairs carried out during the Working Session Delegates-only are listed in G11.04.

Furthermore, three new TC-Chairs, who had been elected already during 2016, started their term:

TC-AUV	Stephen Robinson (NPL, UK)	start in October 2016
TC-PR	Stefan Kück (PTB, DE)	start on 18 May 2017
TC-TF	Peter Whibberley (NPL, UK)	start on 18 May 2017

#### **G11.05.05 Capacity Building**

Presentation by Ömer Altan, Convenor of the BoD Working Group for Capacity Building (BOD-WGCB)

#### **G11.05.06 EURAMET communication**

Presentation by Anne Trumpfheller, Communications Officer

Several presentations related to the Mutual Recognition Arrangement of the CIPM (CIPM MRA) and presentations from horizontal TCs of EURAMET followed. PP-slides can be consulted among the meeting documents.

### **G11.06 CIPM MRA related matter**

#### **G11.06.01 Report from BIPM and CIPM**

Presentation by Andy Henson, BIPM

#### **G11.06.02 EURAMET's support to members and TCs**

Presentation by Wolfgang Schmid, Member Service Manager

#### **G11.06.03 EURAMET's contributions to review of CIPM MRA**

Presentation by Beat Jeckelmann, EURAMET Chairperson

### **G11.07 EURAMET horizontal TCs and their activities**

#### **G11.07.01 TC-Q**

Presentation by Enver Sadikoglu, TC-Q Chair

#### **G11.07.02 TC-IM**

Presentation by Robert Edelmaier, TC-IM Chair

### **G11.07.03 Overview on activities of EURAMET TCs**

Presentation given by Robert Edelmaier, TC-IM Chair, who is coordinating the horizontal cooperation between the EURAMET TC Chairs.

## **G11.08 Highlights from Technical Committees & Task Groups – part 1**

In this sessions G11.08 and G11.10, the EURAMET TC Chairs gave presentations on some specific highlights of current activities of their TC. EURAMET Task Group Convenors gave presentations on measurement challenges in the horizontal areas health, environment and energy. PP-slides and annual reports of the TCs can be consulted among the meeting documents.

### **G11.08.01 Sector topic environment**

Presentation by Andrea Merlone, TG Convenor for Environment

### **G11.08.02 TC-T**

Presentation by Graham Machin, TC-T Chair

### **G11.08.03 TC-L**

Presentation by Harald Bosse, TC-L Chair

### **G11.08.04 TC-M**

Presentation could not be given, as the TC Chair was unable to join the meeting. TC-report and PP-presentation are among the meeting documents.

### **G11.08.05 TC-MC**

Presentation by Hanspeter Andres. TC-MC Chair

### **G11.08.06 TC-PR**

Presentation by Jarle Gran, TC-PR Chair

## **G11.09 Important developments amongst Liaison Organisations**

Representatives from Liaison Organisations of EURAMET gave presentations on important developments. PP-slides can be consulted among the meeting documents.

### **G11.09.01 WELMEC**

Presentation by Anneke van Spronssen, previous Chair of WELMEC

WELMEC had its General Assembly the week before EURAMET. Two results of specific relevance for EURAMET are:

- INM Moldova became associate member
- Gregor Dudle (METAS, Switzerland) was elected as new Chair. Gregor's vision is that the metrology communities of Europe speak with one single voice. Various scenarios of a closer cooperation between legal and scientific metrology are under consideration.

**G11.09.02 SIM**

Presentation by Hector Laiz, President of SIM

**G11.09.03 NCSLi**

Presentation by Jim Olthoff, President of NCSLi

**G11.09.04 Eurachem**

Presentation by Hanspeter Andres, TC-MC Chair, and representative in Eurachem

**G11.09.05 CEN/CENELEC**

Presentation by Ashok Ganesh, Director Innovation

**G11.09.06 EUROLAB**

Presentation by Álvaro Ribeiro, President of EUROLAB

**G11.09.07 COOMET**

No presentation given, as representative was not able to join the meeting. A report is attached to the meeting documents.

**G11.10 Highlights from Technical Committees & Task Groups – part 2****G11.11.01 Sector topic health**

Presentation by Tobias Schäffter, TG Convenor for Health

**G11.11.02 TC-IR**

Presentation by Ulrike Ankerhold, TC-IR Chair

**G11.11.03 TC-AUV**

Presentation by Stephen Robinson, TC-AUV Chair

**G11.11.04 TC-TF**

Presentation by Ramiz Hamid, TC-TF Chair

**G11.11.05 TC-F**

Presentation by Petra Milota, TC-F Chair

**G11.11.06 TC-EM**

Presentation Luca Callegaro, TC-EM Chair

**G11.11.07 Sector topic energy**

Presentation by Jan Petersen, Guardian of the TG, on behalf of Gert Rietveld, TG Convenor for Energy.

## **G11.12 Important developments amongst EURAMET Members & Associates**

### **G11.12.01 INM Moldova**

Alexandra Crudu gave an overview on the metrology infrastructure in Moldova and the measurement capabilities of INM Moldova.

### **G11.12.02 RISE Sweden**

Presentation by Jan Johansson and Leslie Pendrill

SP, the previous NMI of Sweden was merged with RISE, and is now part of RISE. Jan and Leslie gave an overview on the new structure.

### **G11.12.03 BFKH Hungary**

Presentation by Zsófia Nagyné Szilágyi

MKEH, the previous NMI of Hungary has been reorganised and renamed to BFKH. Laboratories, staff and tasks remained the same. Zsófia gave a short overview on the new structure.

## **G11.12 Dialogue with BoD**

Beat Jeckelmann gave the opportunity to the participants, to ask questions to the BoD and to comment on the format of the GA.

A few comments were made on the format of the GA.

## **G11.13 AOB**

Beat Jeckelmann thanked the organisers of the General Assembly, in particular José Robles and Salustiano Ruíz from CEM and Jutta Bender from the EURAMET Secretariat for the excellent organisation.

Beat thanked all speakers of the GA and closed the meeting.

## ANNEX 1: List of Participants

Name	Institute	Country	Function
Altan, Ömer	UME	Turkey	Working Group Convenor
Andres, Hanspeter	METAS	Switzerland	TC-MC Chair
Ankerhold, Ulrike	PTB	Germany	TC-IR Chair
Arnason, Gudmundur	NEST	Iceland	Delegate
Belic, Cedomir	DMDM	Serbia	Delegate
Bender, Jutta	EURAMET		Secretariat
Benyon Puig, Robert	INTA	Spain	Representative
Bernabé Sánchez, José M.	CEM	Spain	Guest
Bosse, Harald	PTB	Germany	TC-L Chair
Boyer, Philippe			Research Council
Butas, Dusan	SMU	Slovakia	Alternate
Buzoianu, Mirella	INM	Romania	Delegate
Callegaro, Luca	INRIM	Italy	TC-EM Chair
Campos-Acosta, Joaquin	IO-CSIC	Spain	Representative
Carneiro, Kim			Guest
Cetintas, Mustafa	UME	Turkey	Delegate
Chambon, Maguelonne	LNE	France	Delegate, BoD-member
Crudu, Alexandra	INM	Moldova	Representative
Dobre, Miruna	SMD	Belgium	Alternate
Drnovšek, Janko	MIRS/UL-FE/LMK	Slovenia	Representative
Dudle, Gregor	METAS	Switzerland	Alternate
Džemic, Zijad	IMBiH	Bosnia-Herzegovina	Delegate, BoD-member
Edelmaier, Robert	BEV	Austria	Delegate, TC-IM Chair
Foulon, Henri	LNE-LADG	France	Representative
Frøystein, Hans Arne	JV	Norway	Delegate
Ganesh, Ashok	CEN-CENELEC		Research Council
Godinho, Isabel	IPQ	Portugal	Alternate
Gran, Jarle	JV	Norway	TC-PR Chair
Grasserbauer, Manfred			Research Council
Grenon, Thomas	LNE	France	Guest
Gulka, Craig	NCSLi		Representative
Hamid, Ramiz	UME	Turkey	TC-TF Chair
Henson, Andy	BIPM		Representative
Hilenko, Oleksandr	ME	Ukraine	Representative
Ikonen, Erkki	VTT MIKES	Finland	EMPIR Chair
Ilchev, Paun	BIM	Bulgaria	Delegate
Jarvis, Duncan	EURAMET		General Secretary
Jeckelmann, Beat	METAS	Switzerland	EURAMET Chair
Johansson, Jan	RISE	Sweden	Alternate
Kadok, Philippe	ILNAS	Luxembourg	Delegate
Kopac, Samo	MIRS	Slovenia	Delegate
Kowal, Aleksandra	INTiBS	Poland	Representative
Kück, Stefan	PTB	Germany	Incoming TC-PR Chair
Kühne, Michael			Guest
Laiz, Héctor	SIM		Representative
Lapuh, Rado	MIRS	Slovenia	EMPIR Deputy-Chair
Leitner, Arnold			Guest
Lenoir de Carlan, Loïc	LNE-LNHB	France	Representative
Lewandowski, Włodzimierz	GUM	Poland	Delegate



Name	Institute	Country	Function
López Esteban, Maria Teresa	CEM	Spain	Guest
Machin, Graham	NPL	United Kingdom	TC-T Chair
Melenciuc, Anatolie	INM	Moldova	Representative
Merimaa, Mikko	VTT MIKES	Finland	Delegate
Merlone, Andrea	INRIM	Italy	Task Group Convenor
Mikiel, Marcin	GUM	Poland	Guest
Milota, Petra	BEV	Austria	TC-F Chair
Morazzani, Valérie	LNE	France	Alternate
Nagyné-Szilágyi, Zsolia	BFKH	Hungary	Delegate
Naujalis, Evaldas	FTMC	Lithuania	Delegate
Nedialkov, Sasho	BIM	Bulgaria	Alternate
Olthoff, James	NCSLi		Representative
Pendrill, Leslie	RISE	Sweden	Delegate
Petersen, Jan C.	DFM	Denmark	Delegate, BoD-member
Rastello, Maria Luisa	INRIM	Italy	Delegate, Vice-Chair (GA)
Redgrave, Fiona	EURAMET		MSU
Ribeiro, Álvaro Silva	EUROLAB aisbl		Research Council
Riuz González, Salustiano	CEM	Spain	Guest
Robinson, Stephen	NPL	United Kingdom	TC-AUV Chair
Robles Carbonell, José Á.	CEM	Spain	Delegate, BoD-member
Sadikoglu, Enver	UME	Turkey	TC-Q Chair
Samuelsen, Geir	JV	Norway	Alternate
Sargent, Michael	LGC	United Kingdom	Representative
Schäffter, Tobias	PTB	Germany	Task Group Convenor
Schmid, Wolfgang	EURAMET		Member Service Manager
Schwitz, Wolfgang			Guest
Severn, Ian	NPL	United Kingdom	Alternate
Spires, Lonnie	NCSLi		Representative
Stenger, Jörn	PTB	Germany	Delegate, BoD-member
Tafel, Barbara	EURAMET		Legal Advisor
Tasic, Tanasko	EURAMET		Capacity Building Officer
Tesar, Jiri	CMI	Czech Republic	Alternate
Testa, Nicola	MCCAA-SMI	Malta	Delegate
Trumpfheller, Anne	EURAMET		Communications Officer
Tsiporenko, Sergii	Ukrmetrtest standard	Ukraine	Representative
Valero, Alvaro	LCOE	Spain	Representative
van Spronssen, Anneke	WELMEC		Representative
von Klitzing, Klaus			Research Council
Vos, Hugo	VSL	Netherlands	Delegate
Whibberley, Peter	NPL	United Kingdom	Incoming TC-TF Chair
Winroth, Gustaf	European Commission		
Zvizdic, Davor	HMI	Croatia	Delegate
Wallard, Andrew			Guest

## ANNEX 2: Board of Directors and TC-Chairs

### Board of Directors

Status	Name		2014	2015	2016	2017	2018	2019	2020	2021	2022
Chairperson	B. Jeckelmann	CH	Ch.E		Chairperson		Past Ch.				
Chairperson	H.A. Froystein	NO				Ch-elect	Chairperson		P.Ch.		
Vicechair (GA)	M. Rastello	IT		1st	2nd			1st			
Vicechair (EMPIR)	E. Ikonen	FI					1st				
BoD Member	Z. Dzemic	BA		1st		2nd		3rd			
BoD Member	M. Chambon	FR			1st		2nd				
BoD Member	R. Edelmaier	AT						1st			
BoD Member	H. Vos	NL						1st			
BoD Member	J. Stenger	DE					1st				
BoD Member	P. Klenovsky	CZ			1st		2nd				

### TC-Chairs

Period	20..	13/14	14/15	15/16	16/17	17/18	18/19	19/20
AUV	Stephen Robinson	UK				1st		
EM	Luca Callegaro	IT		1st		2nd		
F	Petra Milota	AT		1st		2nd		
IM	Robert Edelmaier	AT		1st		2nd		
IR	Ulrike Ankerhold	DE			1st			
L	Harald Bosse	DE		1st		2nd		
M	Isabel Spohr	PT		1st		2nd		
MC	Hanspeter Andres	CH		1st		2nd		
PR	Stefan Kück	DE				1st		
Q	Enver Sadikoglu	TR		1st		2nd		
T	Graham Machin	UK		1st		2nd		
TF	Peter Whibberley	UK				1st		

### **ANNEX 3: Welcome Address by General Secretary of Industry and SME**

Honourable chair, fellow delegates and distinguished guests,

It is an honour for me, as President of the CEM, to welcome you to Madrid and host the 11th General Assembly of EURAMET.

Metrology plays a key role in the development of science and societies. Since the dawn of civilization, measurements have defined the society, the government and the progress of civilizations. A science indispensable in our industrialized and increasingly globalized world and it is of great importance in almost all areas of our daily life. The accuracy and precision in industrial processes, the reliability of medical diagnoses, the monitoring of the environment, even the road safety, and many other applications rely on correct and comparable measurements. We can now to consider Metrology as a vector of competitiveness in technologically advanced societies.

Spain has been part of the past of metrology, we can remember that we were among the founders of the metro convention and the first president of the CIPM was a Spaniard, General Ibanez de Ibero. Spain is part of the present, we belong to the most representative metrological organizations, such as EURAMET, but we also want to be part of the future, with the CEM at the head of our national metrological infrastructure.

Allow me to offer you some figures that support this claim:

- More than 150 experts working in metrology.
- More than 5500 calibration certificates issued per year
- More than 160 calibration laboratories accredited by ENAC
- About 500 CMC
- Members of many CIPM Consultative Committees;
- Bilateral agreements with many non-European countries Especially in Latin America the Mexico, Peru, Uruguay, Brazil, Costa Rica, Colombia, Chile, etc.

If we focus on EURAMET, we participate in all the technical committees, we have been and we are in many EMPR and EMPIR research projects and through this path, we want to follow.

Today we open a new general assembly of EURAMET, an example of successful collaboration

Collaboration of the States in the field of metrology has been a constant throughout time, since the concept State exists. The metrology demand was growing more and more, and still does, so it was not possible to give a response from a single country to all the needs that were raised, it was necessary to coordinate efforts.

In Europe, this collaboration has been greatly enhanced and developed with the emergence of EUROMET in 1987 and its transformation into EURAMET in 2007. EUROMET, created, precisely, in Madrid in September 1987 with the signing of a Memorandum of Understanding, played a key role during its 20 years of existence, promoting the collaboration among European NMIs, creating the conditions and adequate environment for a new stage of coordination, integration and smart specialization in the XXI century, which is currently led by EURAMET.

During these 10 years, EURAMET has faced continuing challenges to respond to the expectations of its members and Europe. It has always maintained as a priority to help and assist in the progress of society, to improve the competitiveness of industries and respond to social challenges in areas such as health, environment or energy, through the contributions that Metrology provides.

These 10 years have been a constant development and adaptation to social, economic and legal environment, starting in 2007 a path that has no return. EURAMET is now a fundamental institution, developing and disseminating an integrated, cost effective and internationally competitive measurement infrastructure for Europe.

However, what is done is done, we cannot be conformists. We have many challenges ahead.

The metrology needs and the request for new services together with the technological complexities are constantly growing. New technologies are having a very important impact in this sense. Innovation and investment in new metrology capabilities and their disseminations are essential to follow the trends in demand and must be faced by a collaborative and efficient approach.

Furthermore, some of the present faced challenges are global, such as health, climate change, environment, energy or sustainability. These challenges require global solutions supported by reliable measurements that, in many cases, are beyond a single nation. That is the reason why to take advantage of the present metrological resources beyond national borders is essential to face the key societal challenges.

We should keep in mind that diversity, if properly managed, brings major benefits as distinctiveness and singularity, creation and innovation, decision-making based on a broad basis, better alternatives, wide experience and leadership of their members and last, but not least, flexibility and respect in the organization. The general objective should be to raise the European metrology level in order to make it more internationally competitive.

We need a strong and visible European Metrology with only one clear voice; we must simplify and take advantage of synergies. Legal and scientific metrology needs each other, so why not collaborate more closely, even within a single organization fruit of the union of WELMEC and EURAMET.

The new scientific developments can be implemented in new metrological techniques and new primary standards to support a high quality industrial production adapted to societal demand. As an example it is a fact that the so called 4th industrial revolution, industry 4.0, and the quantum technologies need metrology and EURAMET has a great deal to contribute to all of that in the coming years.

EURAMET is an actor and plays a central role to support the EU with metrology and make real the next decade challenge.

In our hands is that in the future we can celebrate another anniversary, the 20 years, and that those years are full of success and advances in metrology. This will mean that our society and our citizens have made progress, improving their living conditions.

To do this, we must continue to support EURAMET to make it even bigger, more useful.

Welcome again and I wish that the work you are going to develop these days will be as fruitful as possible.