

# APMP Report

To the 16<sup>th</sup> EURAMET GA

31 May 2022

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APMP Secretariat



# What is APMP ?

## Asia Pacific Metrology Programme (APMP) is

- An association of **National Metrology Institutes (NMIs)** from the Asia-Pacific region for improving regional metrology capability;
- One of the six **Regional Metrology Organisations (RMOs)** to implement the CIPM MRA for the worldwide mutual recognition of measurement standards and of calibration and measurement certificates;
- One of the **Specialist Regional Bodies (SRBs)** working with APEC to facilitate the development and implantation of standards and conformance infrastructures that addresses APEC goals.



Regional Metrology Organisations (RMOs)

# Membership

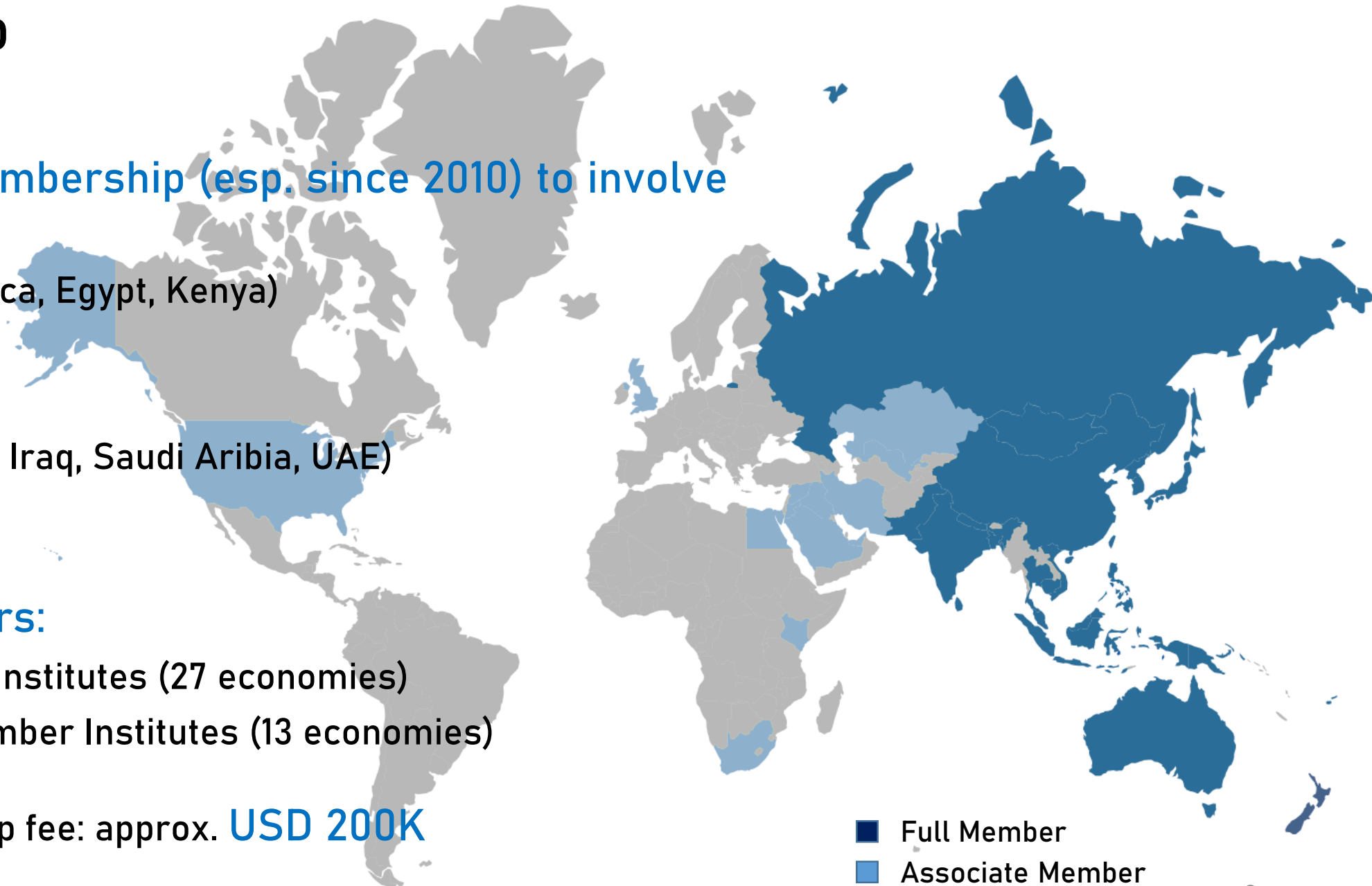
Expansion of membership (esp. since 2010) to involve countries in

- Africa (South Africa, Egypt, Kenya)
- Americas (U.S.)
- Europe (UK) and
- Middle East (Iran, Iraq, Saudi Arabia, UAE)

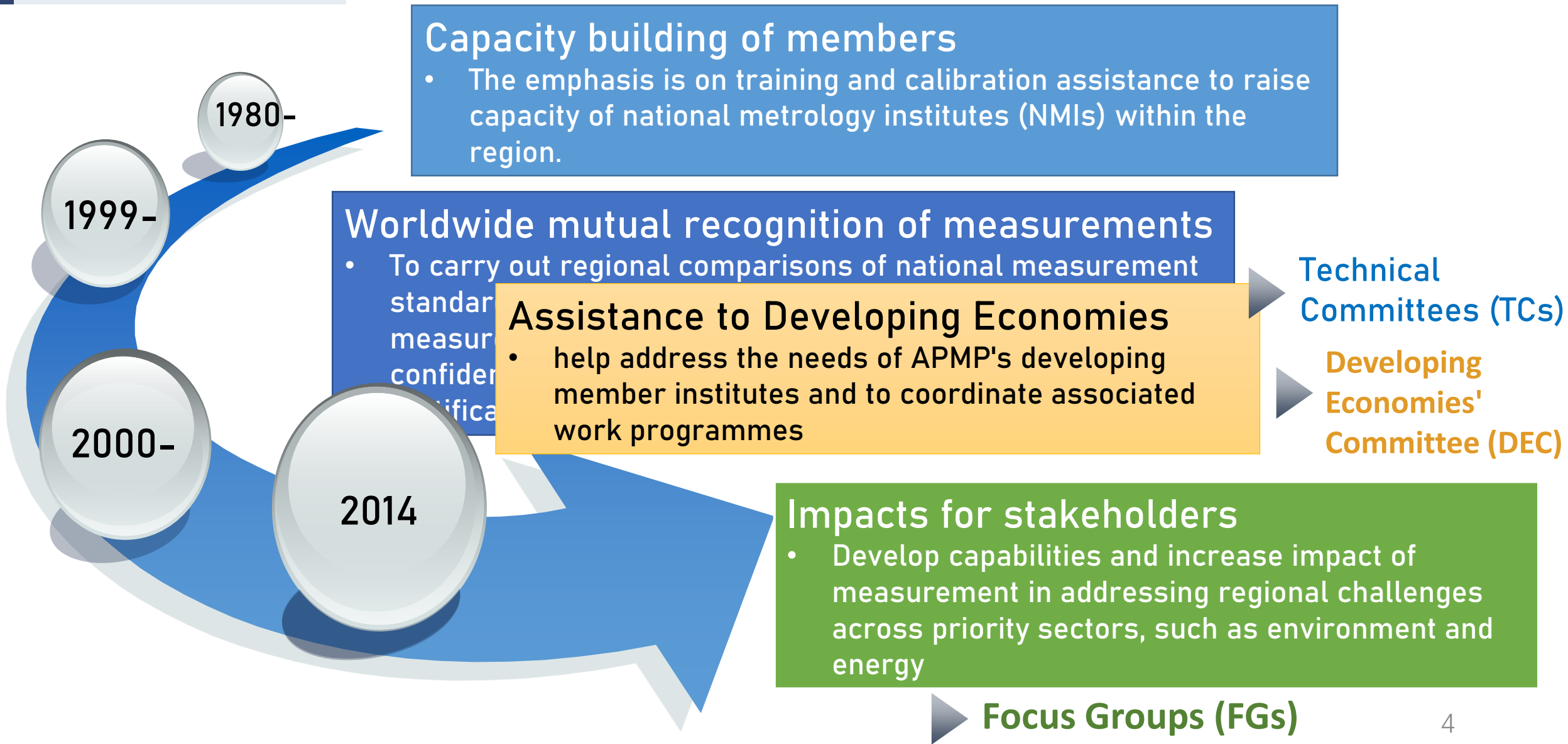
Current members:

- 45 Full Member Institutes (27 economies)
- 14 Associate Member Institutes (13 economies)

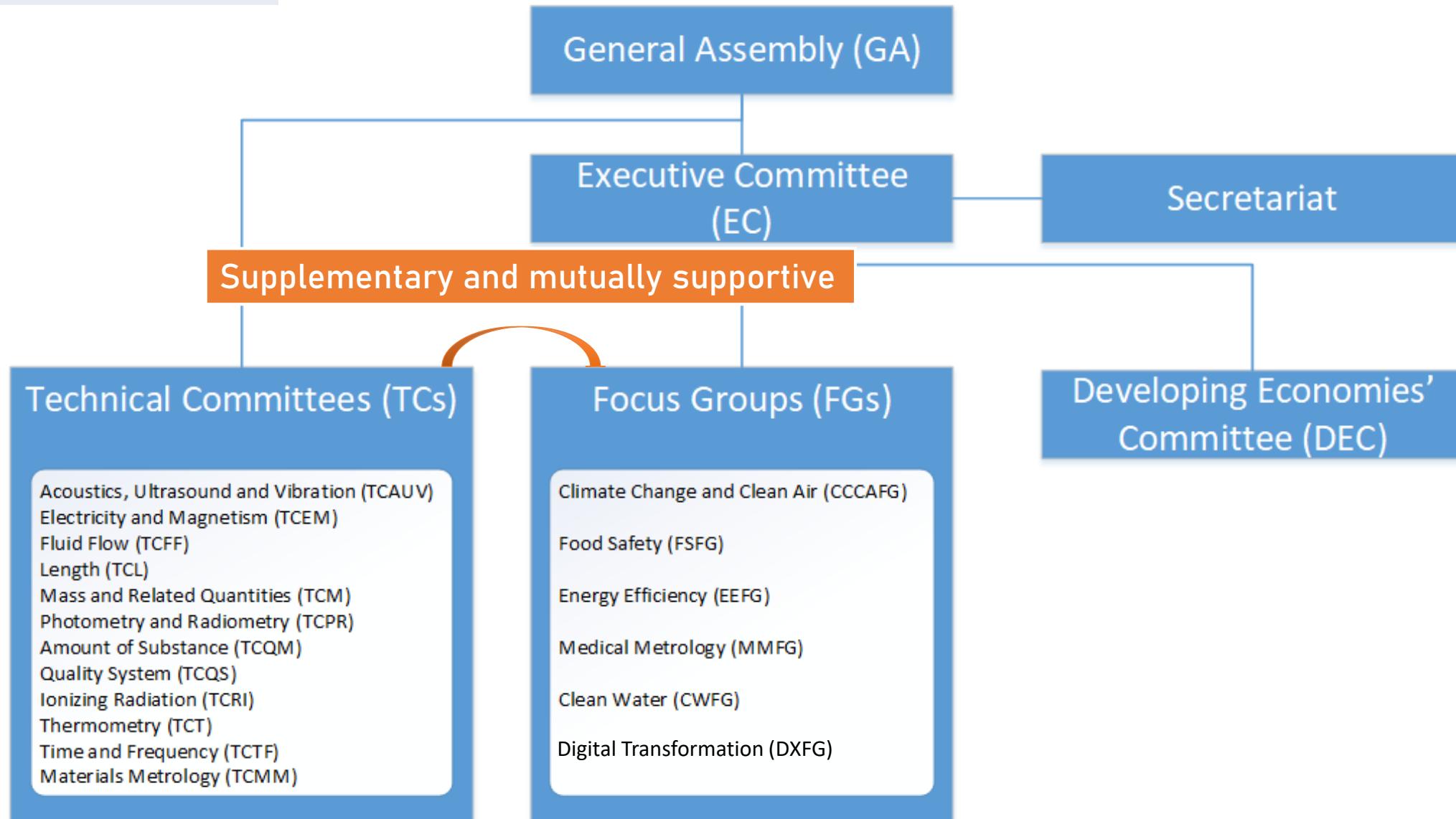
Annual membership fee: approx. **USD 200K**



# Responsibilities evolving with time



# Organisational structure





# GA & related meetings (November 2021)

16 Nov 2021		17 & 19 Nov 2021	18 Nov 2021	23 Nov 2021	25 & 26 Nov 2021
EC Meeting	TCC Meeting	DEC Meeting (1) & (2)	EC-CC Meeting	APMP NMI Directors' Workshop 2021	GA (1) & (2)



A subset of participants at the 37th APMP GA

# Organisation - EC members

A new Chairperson elected at GA 2021



**Fang Xiang**  
China  
2019 GA-2022 GA



**Ajchara Charoensook**  
Thailand  
2018 GA-**2022** GA



**Teo Tang Lin**  
Singapore  
2019 GA-2022 GA



**Chairperson-elect**  
**HYUN-MIN PARK**  
KRISS

Proposed by Fang Xiang NIM  
Seconded by Takashi Usuda, NMII



**Eleanor Howick**  
New Zealand  
2019 GA-2022 GA



**Morioka Takehiro**  
Japan  
2020 GA-2023 GA



**Wei-En Fu**  
Chinese Taipei  
2020 GA-2023 GA

# APMP COVID-19 Response Programme

- The programme was launched in 2020 and extended to 2022
- Call for proposals constantly open
- Evaluation conducted every 3 months

## 2021 Call

### 1<sup>st</sup> round of proposal submission

- 3 out of 4 proposals got supported

### 2<sup>nd</sup> round of proposal submission

- 2 proposals received and were rejected

### 3<sup>rd</sup> round of proposal submission

- 1 proposal received and is still under revision

## COVID-19 Programme status by now

**Total Budget:** US\$ 250,000 for FY2020&2021  
US\$ 100,000 for FY2022  
([USD 97,640](#) allocated by now)

## Projects approved

Possible metrological supports for COVID-19 crisis management

Comparison measurement and training courses on the ventilator tester

Investigation of the human speech/cough droplet size measurement and comparison for COVID-19 infection control

Accurate measurement of SARS-CoV-2 and development of nucleic acids reference material

Establish and validate national capabilities to support the growth in use of thermal imagers for public thermal screening

**(Progress reports available on APMP website – GA 2021)**



## A new Focus Group on Digital Transformation (DXFG) established at GA 2021

Resolution GA37-09: The 37th GA approved establishing a Focus Group on Digital Transformation in Metrology (DXFG) as a dedicated forum for regional collaborative activities relating to digital transformation in metrology, and approved the appointment of Dr Blair Hall (MSL, New Zealand) as its first Chair for a three year term from GA 2021 to GA 2024.

### Current status:

- Approximately 30 members joined the new FG, representing 12 member economies and 2 associates.
- The terms of reference, responsibilities and structure as well as strategic plan of DXFG has been developed under the leadership of Dr Blair Hall, the DXFG Chair.

# 2021 APMP NMI Directors' Workshop

## *Foster Asia-Pacific Metrology Collaboration in a Digital World*

The 12<sup>th</sup> APMP NMI Directors' Workshop was held on the theme "Foster Asia-Pacific Metrology Collaboration in a Digital World" for ideas sharing and discussions to develop a holistic understanding of metrology digitalisation and to review the preliminary work plan of the APMP Focus Group on Digital Transformation in Metrology (DXFG). The Workshop connected APMP NMI directors and invited participants virtually for a forward-oriented dialogue driven by digitalisation on 23 November 2021.

Topics that featured prominently on the agenda are:

*Topic 1: How is digital transformation changing NMIs?*

*Topic 2: Key areas of digital transformation for APMP*

*Topic 3: Regional collaboration in metrology for digital transformation*



Workshop Chair: Dr. Morioka Takehiro  
APMP Executive Committee Member



Dr. Takashi USUDA  
Director General, NMIJ /  
CIPM Secretary



Mr. FANG Xiang  
Director, NIM, China /  
APMP Chairperson



Dr. Hyun-Min Park  
President,  
KRISS



Ms. Ajchara Charoensook  
Director,  
NIMT



Dr. Cui Shan  
Scientist III,  
NMC, A\*STAR



Dr. Blair Hall  
Principal Research Scientist,  
MSL



Mr. Mark Kuster  
Chair,  
NCSLI 141 Measurement  
Information Infrastructure &  
Automation Committee  
(MII&AC)



Dr. Sascha Eichstädt  
Convener, EURAMET TC-IM Working Group  
'Metrology for Digital Transformation' (WG M4D) /  
Head of Dept. Metrology for  
Digital Transformation, PTB /  
Chair of IMEKO TC6 "Digitalization"



Dr. Héctor Laiz  
Research Director of  
Metrology, INTI,  
Argentina /  
CIPM Member



Ms. Chang Kwei Fern  
APAC Chair /  
Director, SAC,  
Enterprise Singapore

# APMP Strategic Plan (2021-2023)

## 5 key aspects of current context:

- Significant and long-term impacts of the COVID-19 pandemic.
- Advances in measurement science and technology and the rise of global challenges
- Uneven development among Members
- Effective and efficient governance
- Stronger regional and international engagement

## 6 strategic work priorities:

### 2021 Priority

Work together in the fight against the pandemic

### 2022 Priority

Promote R&D excellence in emerging areas

Increase APMP's impact and value to members and to “leave no one behind”

Enhance quality and efficiency of APMP's governance and operations

Fulfill RMO obligations under the CIPM MRA

Enhance global engagement and partnership

# A new issue of APMP Newsletter released in February 2022

Main activities of APMP in 2021 can be found in this issue.

The newsletter can be accessed at  
<http://www.apmpweb.org/documents/newsletters.php>

## APMP NEWSLETTER

Asia Pacific Metrology Programme

### Inside this Issue

APMP General Assembly & Related Activities, 2021  
APMP Focus Group on Digital Transformation in Metrology (DXFG) Established  
2021 APMP NMI Directors' Workshop  
APMP COVID-19 Response Programme Continued  
Enhancing Sustainability of TCI/FGI Projects  
Guidelines on Financial Support for Equipment Leasing by DEC Members  
DEC Highlights  
Progress of MEDEA 3.0  
21<sup>st</sup> NMI Directors and Member State Representatives Meeting  
APMP New Website on the Way  
Greetings from Chairperson-elect and New TC Chairs  
2021 APMP Awards  
News from Members



**Issue 46**  
February 2022



# Online Workshop on Water Quality



Making an Impact on Water Quality for  
Public Health and Safety

*Workshop on Building Laboratory Measurement Techniques*

23 & 24 MARCH 2022 | 1:30-4:00 UTC | ZOOM WEBINAR



Supported by:



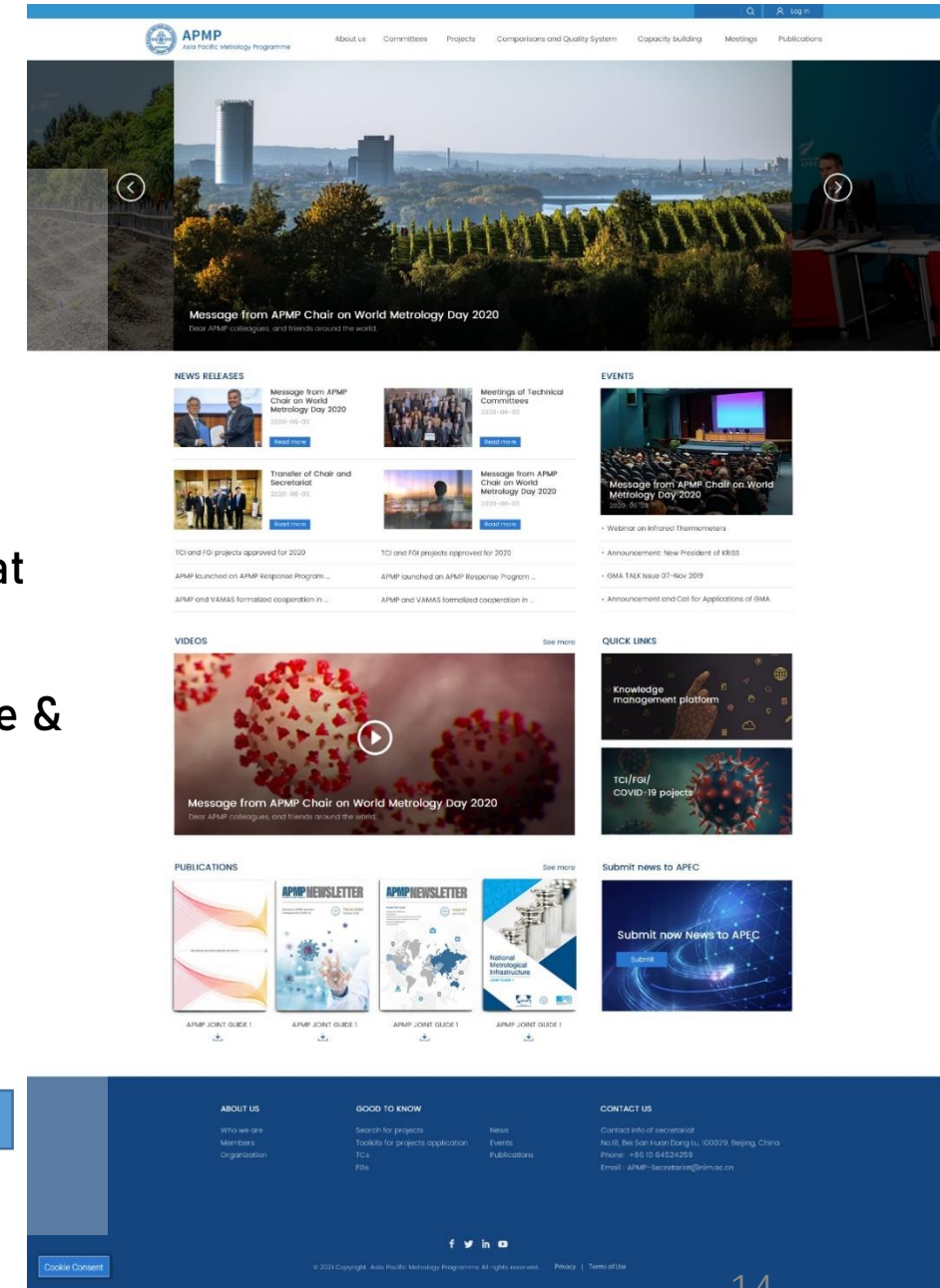
- The online workshop was held on 23 & 24 March 2022, 1:30-4:00 UTC *via* Zoom platform.
- Eight talks covering regulations, analytical measurement techniques, metrological traceability, conformity, uncertainty of measurement, sampling and accuracy-based proficiency tests were presented by experts from metrology institutes, water regulatory agencies, accreditation body and academia.
- Slightly over 220 participants from APEC and non-APEC economies attended the workshop on each day.

Presentation slides can be found at <http://mddb.apec.org/>



# APMP Website Renovation

1. Contract signed with a website design company
2. APMP Website Expert Group (WEG) established
  - Dr Takehiro Morioka, EC member
  - Dr Victoria Coleman, the Lead TC Chair
  - Dr Inseok Yang, TCT Chair
  - Dr KAI Fuu Ming, CCCAFG Chair
  - Dr Angela Samuel, DEC Chair
  - Dr A. Praba Drijarkara, DEC member
  - Ms Ada Cai, APMP Executive Secretary
  - Ms Kelly Yan, Member of the APMP Secretariat
3. New homepage & website structures established by the Secretariat after extensive investigations and discussions
4. The 1<sup>st</sup> WEG meeting, held on 15 June 2021, agreed on the homepage & website structures
5. A Demo-website ready for review at GA 2021
6. Jan – Feb: Circulation of demo-website among all committees for comments
7. **Mar – June: Website building** & information migration
8. **July – Sep:** Trial operation
9. **Before GA 2022:** Launch of the new website





# Thank you for your attention !

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