



# APMP TCAUV Report, 2012

Qiao SUN  
the 8<sup>th</sup> CCAUV meeting  
13-14 June 2012  
BIPM



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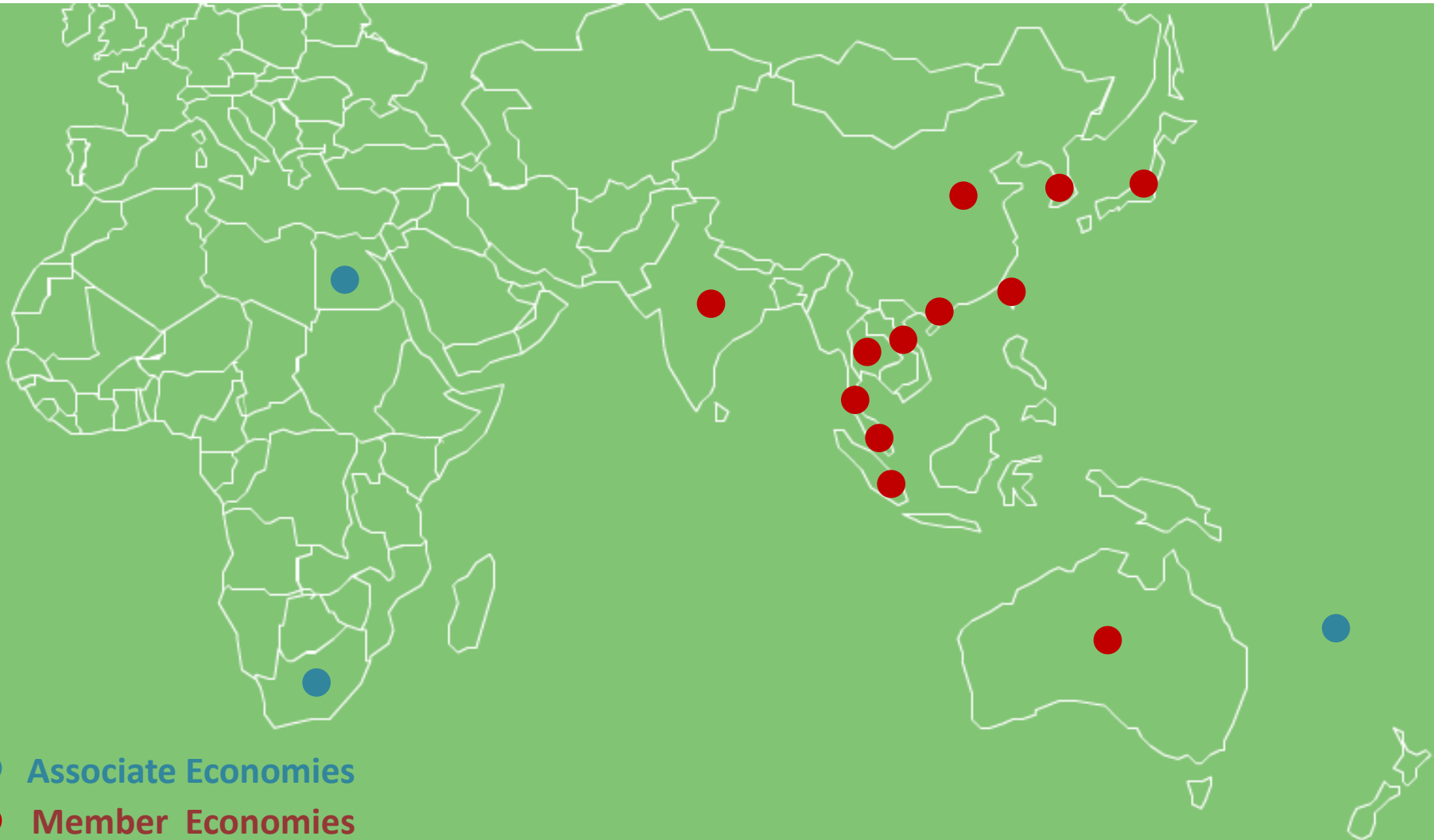
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# Introduction



- Associate Economies
- Member Economies



# Introduction

## 15 Members:

- **12 Full Member Economies**

Australia, China, Chinese Taipei, Hong Kong China, India, Indonesia, Japan, Korea, Malaysia, Singapore, Thailand and Vietnam

- **3 Associates**

Egypt, Fiji and South Africa



- **Mr. Qiao SUN, NIM, China**  
TCAUV Chair, GA 2011-2014



- **Dr. Takashi USUDA, NMIJ, Japan**  
TCAUV Vice Chair, GA 2011-2012



# APMP TC Initiative Projects

## TCAUV Project 2011

*Joint research project on primary shock acceleration comparison with laser interferometry (US\$ 5000, completed)*

## TCAUV Project 2012

*Research for free-field calibration in acoustics (US\$ 5000, in progress)*



# APMP TC Initiative Projects

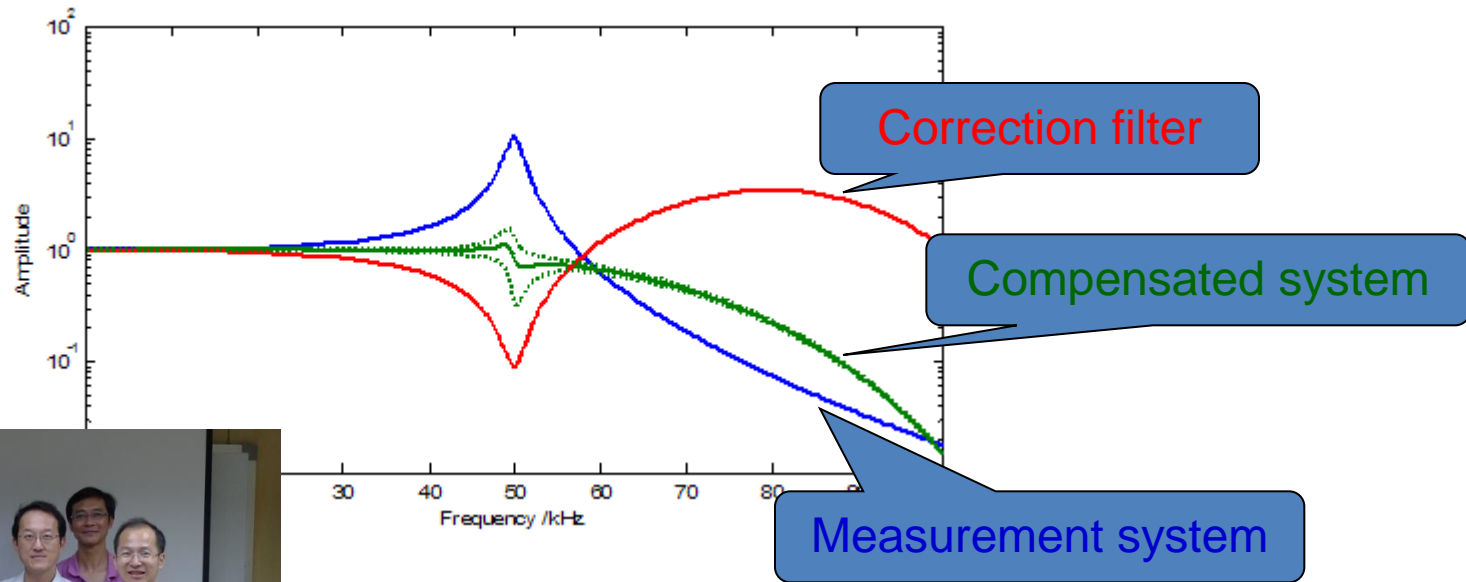
## TCAUV Project 2011

*Joint research project on primary shock acceleration comparison with laser interferometry (US\$ 5000, completed)*

- **Objective:**
  - Preparation for a possible APMP shock pilot comparison.
- **Tasks:**
  - Guest research of a NIM metrologist at CMS, Taiwan.
  - Workshop session collaborated by NMIJ, NIM and CMS.

# APMP TC Initiative Projects

TCAUV Project 2011





# Comparisons

CC Level

- **CCAUV.A-K5**  
with KRISS, NIM and NMIJ as participants.
- **CCAUV.U-K3**  
with KRISS, NIM, NMIA, NMIJ and NPLI as participants.
- **CCAUV.V-K2**  
with KRISS, NIM, NMIA, and NMIJ as participants.





# Comparisons

## TC Level

- **APMP.AUV.A-K3**  
with A\*STAR, CMS, KRISS, NIM, NIMT, NMIA, NMIJ, NML-SIRIM, NPLI and SCL as participants.
- **APMP.AUV.A-S1**  
with A\*STAR, CMS, KIM-LIPI, KRISS, NIM, NIMT, NIS, NMIA, NMIJ, NMISA, NML-SIRIM, NPLI and SCL as participants.
- **APMP.AUV.V-K1.1**  
with A\*STAR, NIMT and NMIJ as participants.
- **APMP.AUV.V-S1**  
with CMS, KRISS, NIM, NIMT, NMIA, NMIJ and NMISA as participants.



# CMCs



No.	Economy	Laboratory	Before 2010	Up to date	A	U	V
1	Australia	NMIA	23	23	13		10
2	China	NIM	21	53	19	3	31
3	Chinese TW	CMS	23	39	21		17
4	HK China	SCL	15	15	15		
5	India	NPLI	23	34	23		11
6	Indonesia	KIM-LIPI		15	15		
7	Japan	NMIJ	8	8	4		4
8	Korea	KRISS	41	41	33		8
9	Malaysia	NML-SIRIM	21	21	8		13
10	Singapore	A*STAR					
11	Thailand	NIMT					
12	Vietnam	VMI					
Total			175	249	151	3	95



# Meetings

TC meetings





# Meetings

TC workshops





*Thank you!*