

QUALITY IN METROLOGY

All sections to appear here





Introduction

What is quality?

- the standard of something as measured against other things of a similar kind; the degree of excellence of something

a distinctive attribute or characteristic possessed by someone or something



Why is important?

- encourages consistency, competitive markets, reduced waste, ensures customer satisfaction as well as increased revenues.

Quality is important because it makes sure products and services meet the required standard.



- The National Metrology Institutes are the laboratories that realize and disseminate internationally harmonized and recognized units of measurement with the necessary accuracy.
- Also can supervise the deployment of measuring instruments in the fields of commerce, traffic, public safety, health and environment.



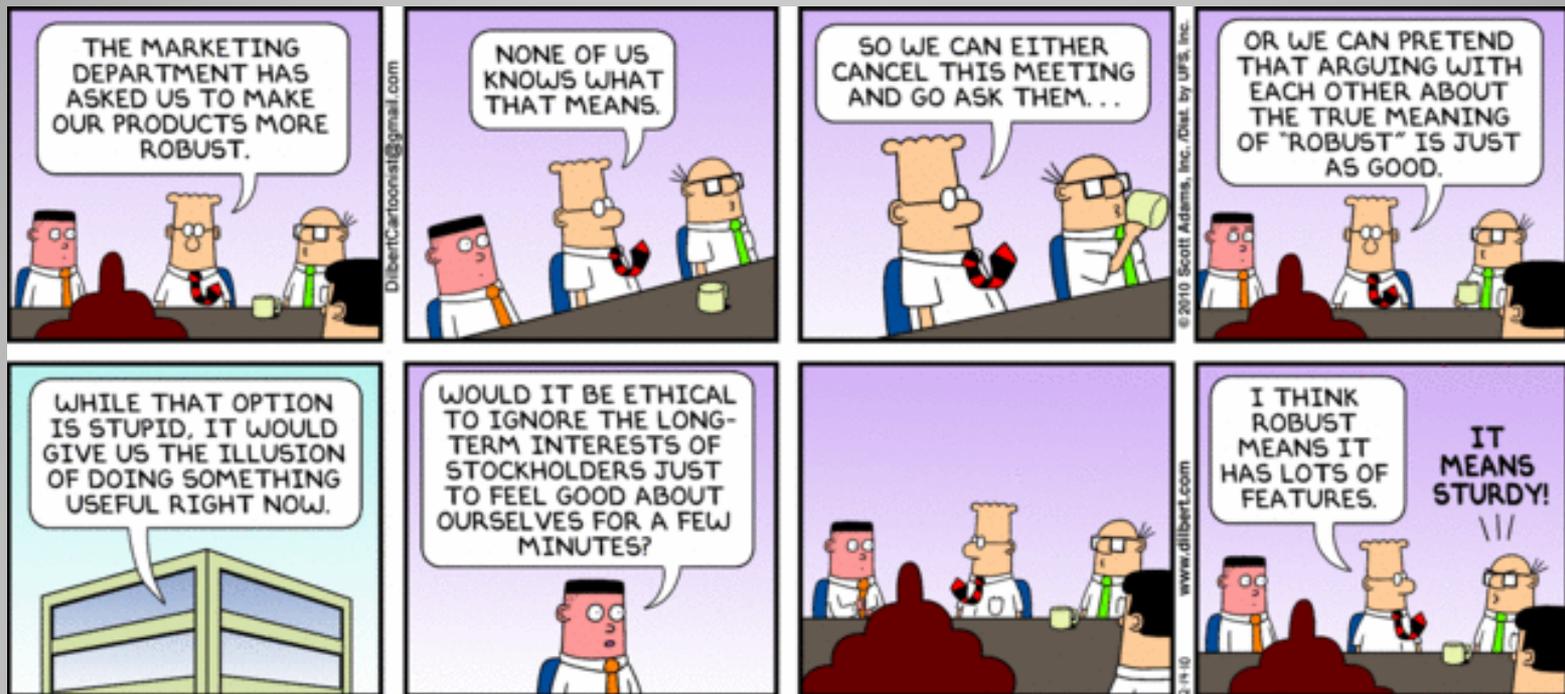
- In addition can supervise the execution of legal provisions and by the authorized verification offices. Each one deliver various services to the benefit of society, economy and research.

What is a NMI?



to provide appropriate, integrated and fit-for purpose metrology solutions supporting innovation and industrial competitiveness as well as measurement technologies addressing societal challenges in their countries.

Why the NMI's exist?



2nd SIM Metrology School

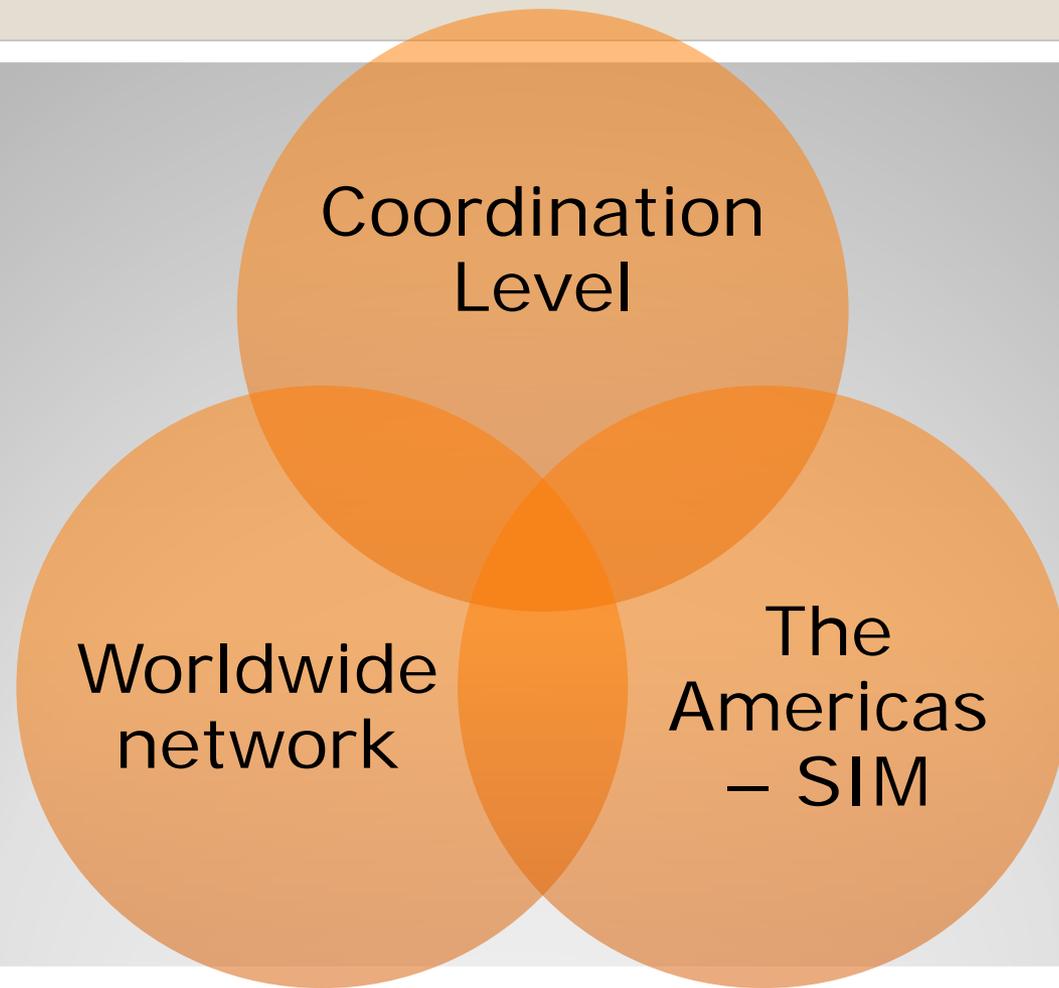
- Become familiar with CIPM MRA requirements related to QS
- SIM and QSTF role to support cmc
- Brief overview of technical requirements of the standards

Objectives of the lecture

- Illustrate the tie in between QS, metrology & laboratories with specific measures to clients

**"When you can measure what you are speaking about and express it in numbers, you know something about it. When you cannot express it in numbers, your knowledge is of a meagre and unsatisfactory kind."
Lord Kelvin Physicist**

Expecting results



Metrology Infrastructure



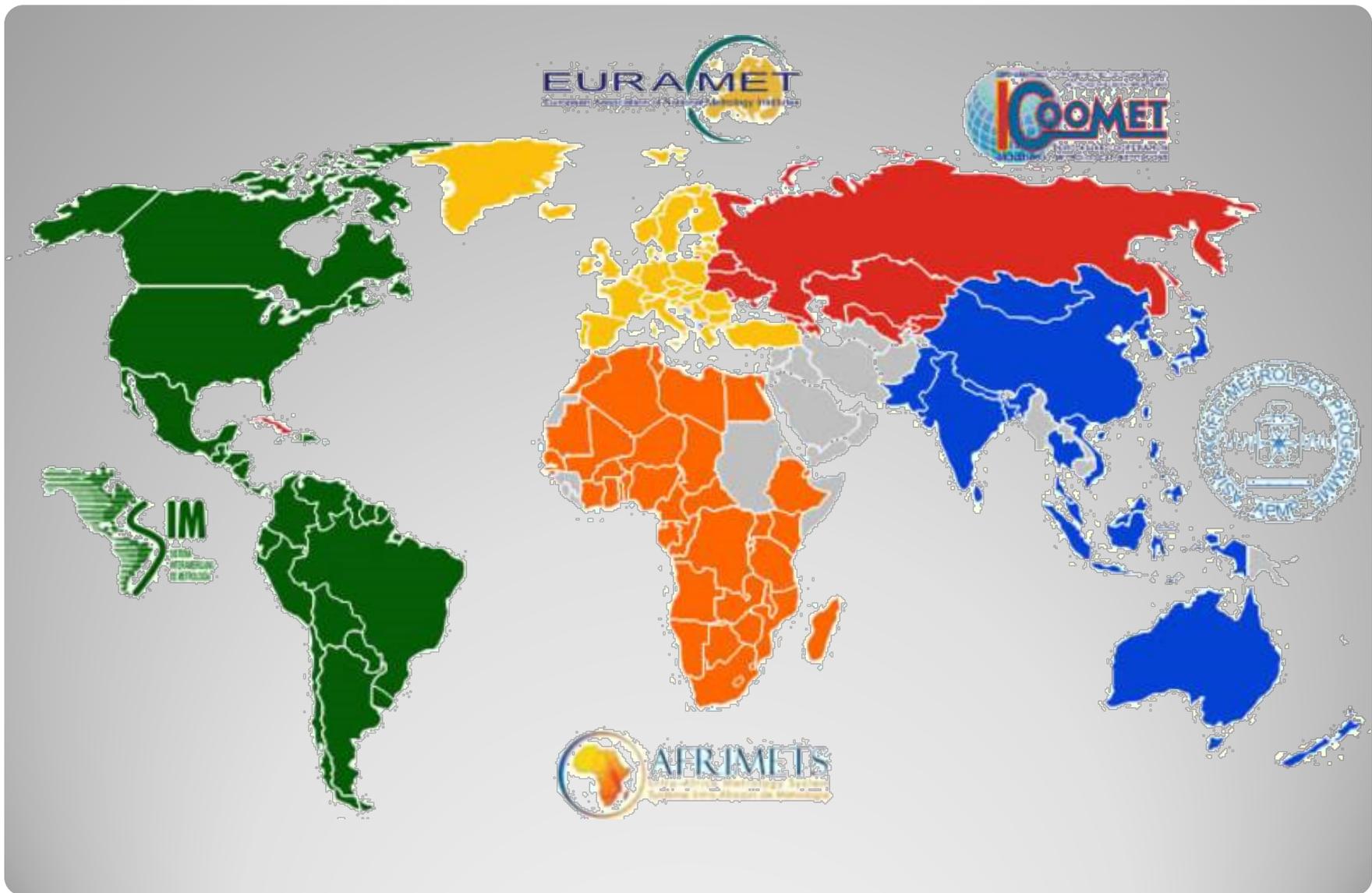
KCDB



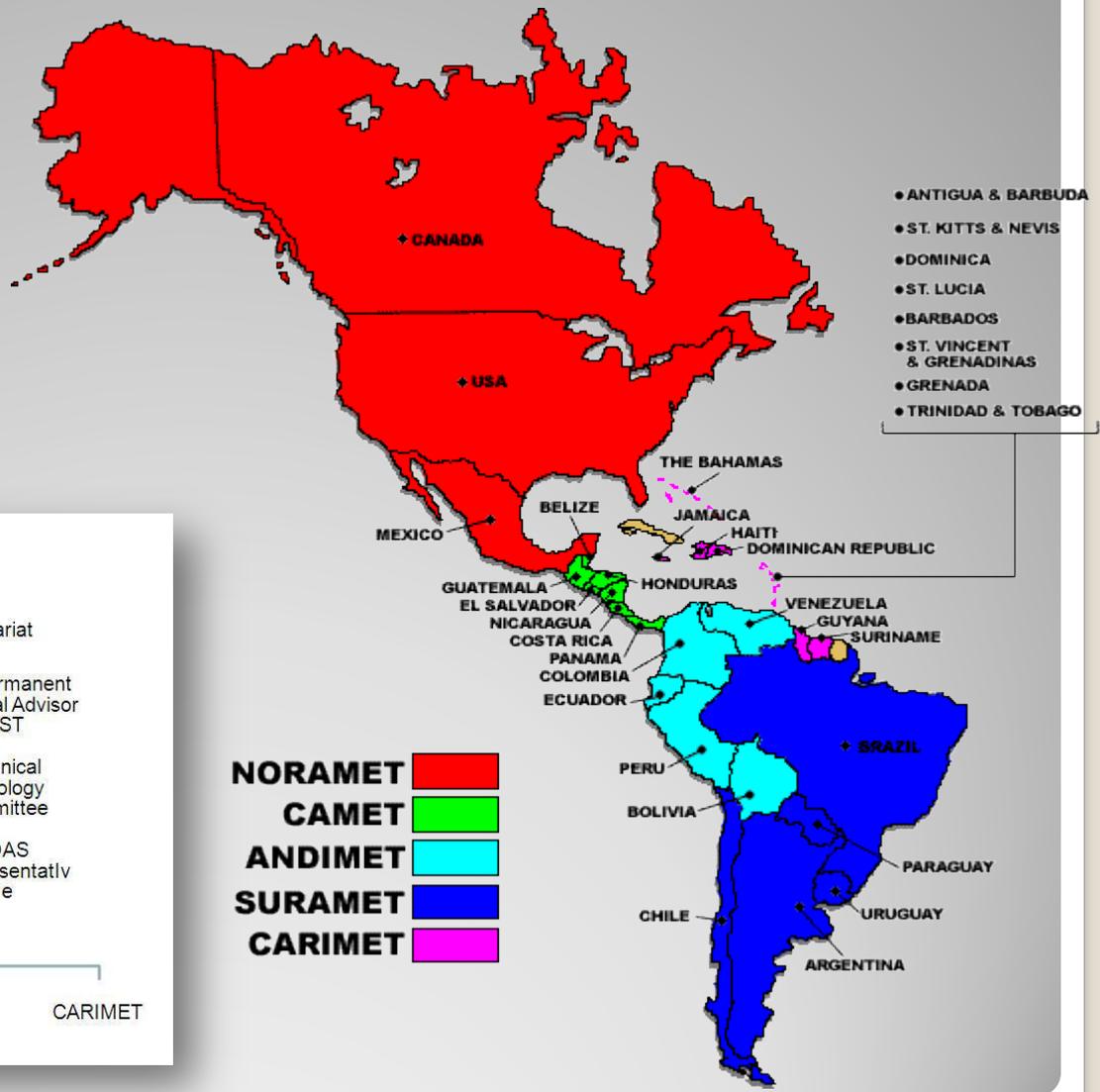
CIPM MRA



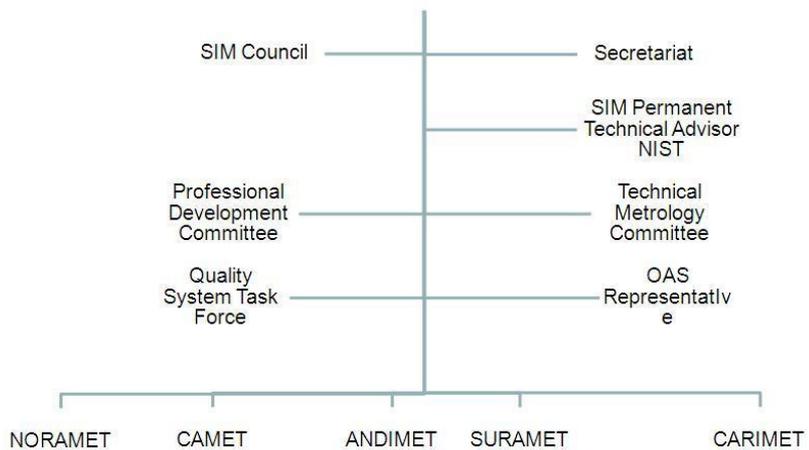
Coordination Level



Worldwide network



SIM PRESIDENCY



Our RMO



How? & Why?

NIST





Review process within SIM



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Due	Destination	Plat	Expected
10:48	Crayford		Cancelled
10:54	Hayes (Kent) via		Cancelled
11:00	Slade Green		Cancelled
11:04	Plumstead		Cancelled
11:10	Dartford via Greenwich		Cancelled
11:14	Ashford Internl via		Cancelled
11:18	Crayford		Cancelled

Everyday applications

