



Invitation

The European Metrology Research Programme (EMRP)
from iMERA-Plus to Article 185 - Achievements and the Future

November 29th, 2011 at 18:30

SQUARE, 2 Rue Ravensteinstraat,
1000 Brussels, Belgium

Event Programme

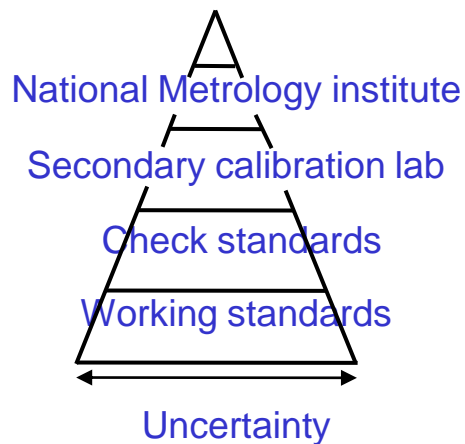
18:30	Registration & welcome drinks
19:00	Welcome address: EURAMET's mission and strategy <i>Leslie Pendrill, EURAMET Chairperson</i>
19:10	iMERA-Plus: scientific results <i>Jörn Stenger, EMRP Chair</i>
19:30	Discussion
19:45	EU research funding strategy: Results of the EMRP mid-term evaluation <i>Robert-Jan Smits, Director General, European Commission</i>
20:00	View of EURAMET's Research Council <i>Christophe Salomon, Directeur de Recherche au CNRS</i>
20:15	Discussion
20:30	Buffet



Mission & Strategy

EURAMET new members 2011:
37th: Montenegrin Bureau of Metrology (MBM)

4 New DIs



Cooperation quality-assured measurement

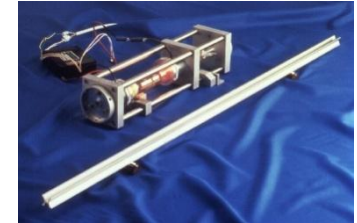
Metrology – quality-assured measurement



kg

Traceability => measurements can be compared

- Under both repeatability and reproducibility
- Even different measurement quantities



m

Uncertainty => declared measurement quality

- 'Fit-for-purpose'
- Quantified risks of decision errors

1,234 m ± 0,016 m



This gives processes and products which have:

- Interoperability
- Improved communication
- Can be traded, are safe and lie within specifications



Strategy for European national metrology 2020?

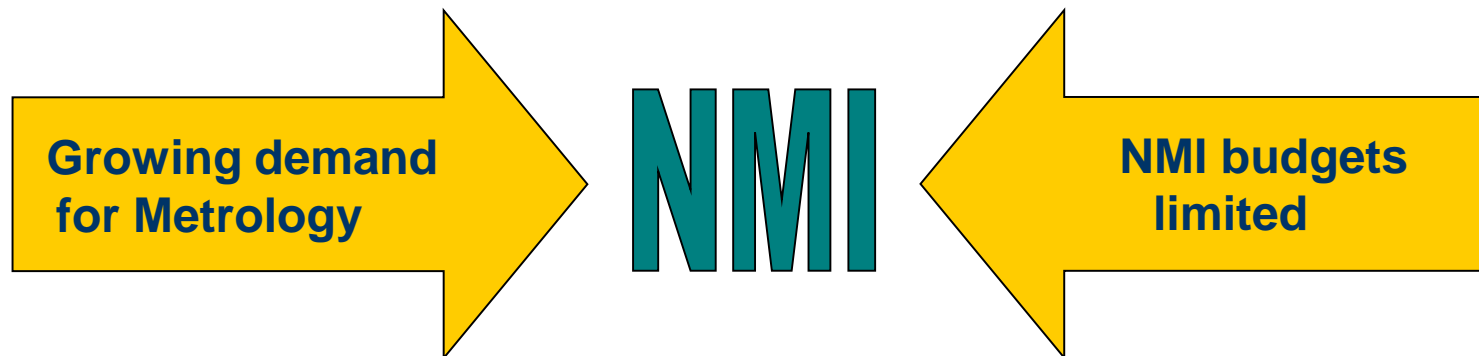


Europe 2020 puts forward three mutually reinforcing priorities:

- Smart growth: developing an economy based on knowledge and innovation.
- Sustainable growth: promoting a more resource efficient, greener and more competitive economy.
- Inclusive growth: fostering a high-employment economy delivering social and territorial cohesion.



Need for collaboration



- **Traditional areas of industry**
 - becoming more complex
 - requiring broader measurement ranges and lower uncertainties

- **New areas of technology**
e.g. nano-technology or biotechnology
- **Areas in which use of metrology is increasingly recognised**
e.g. chemistry, clinical analysis, food safety, the Grand Challenges,...

Mission & Strategy

EURAMET Vision

EURAMET to be the leader in the development and application of measurement enabling Europe to be competitive, healthy and sustainable through innovation

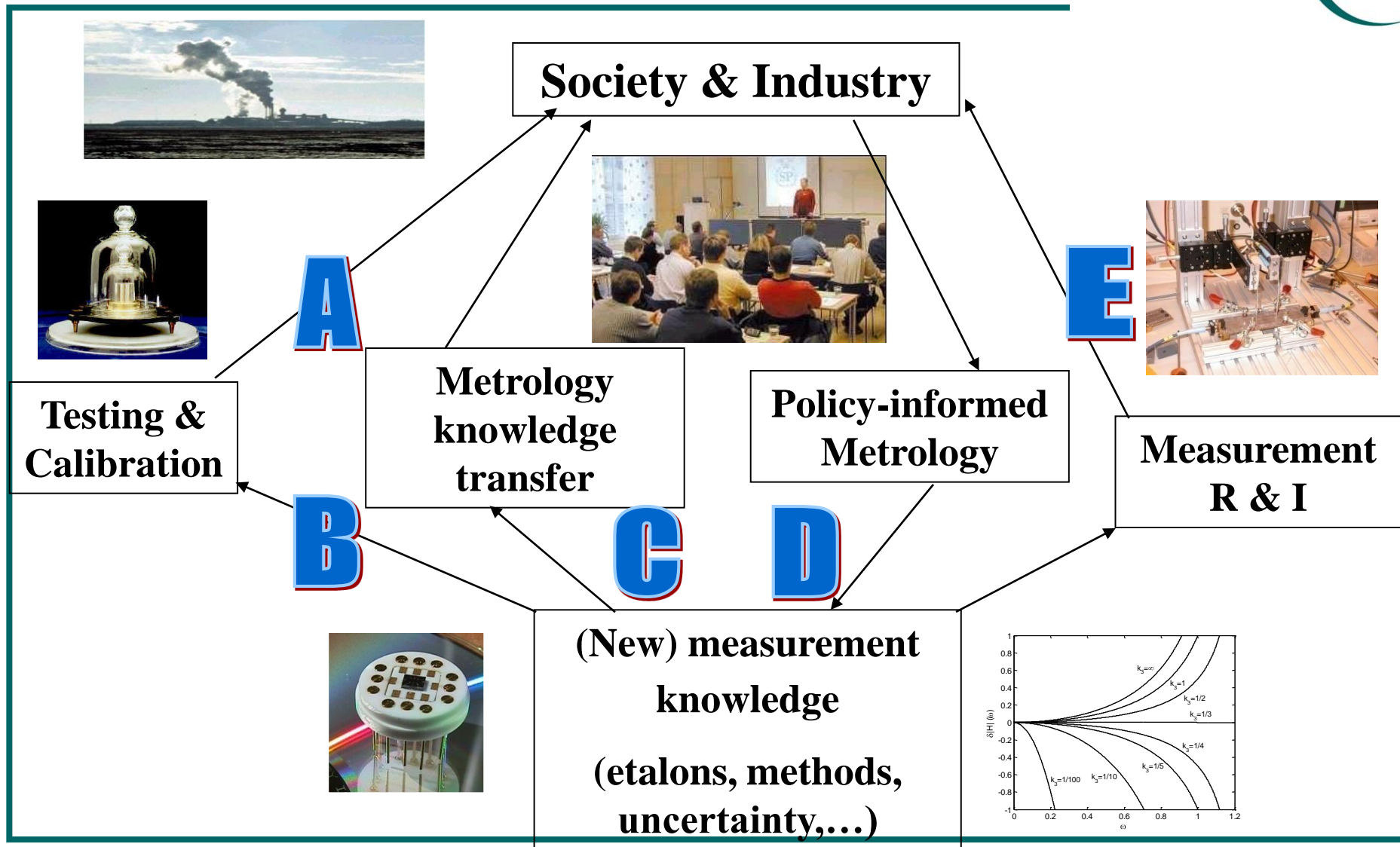
EURAMET Mission

2020 Strategy

Our mission is to:

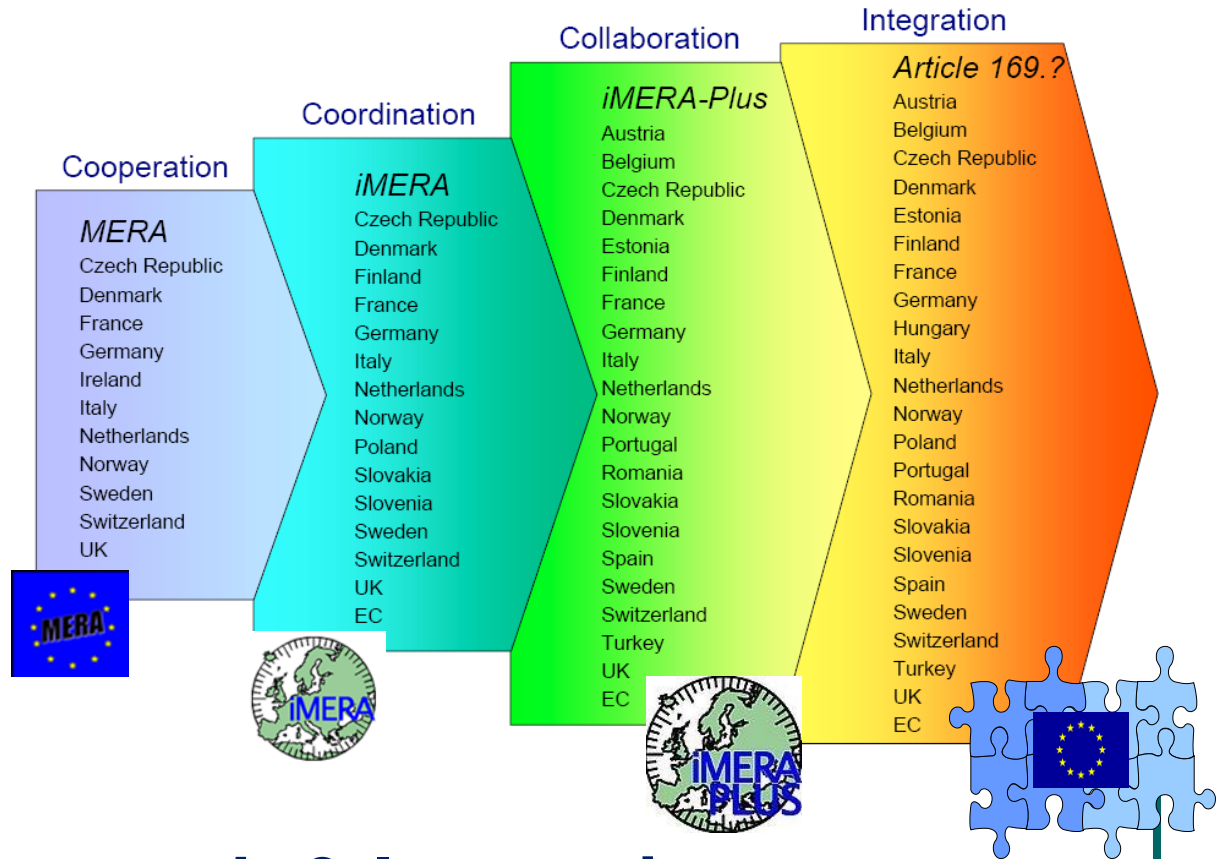
- Develop and disseminate an appropriate, integrated and cost effective measurement infrastructure for Europe taking into account the needs of end users in industry, business and Government
- Ensure that the European measurement infrastructure is internationally competitive and recognised, and is based on robust and high quality science and R&D.
- Support members in meeting their own national requirements through collaboration and a balanced European measurement infrastructure

Critical factors for success in innovation & trade



Working together to deliver on Europe 2020

Considerable commitment from majority of 37 national metrology programmes



EU Research & Innovation