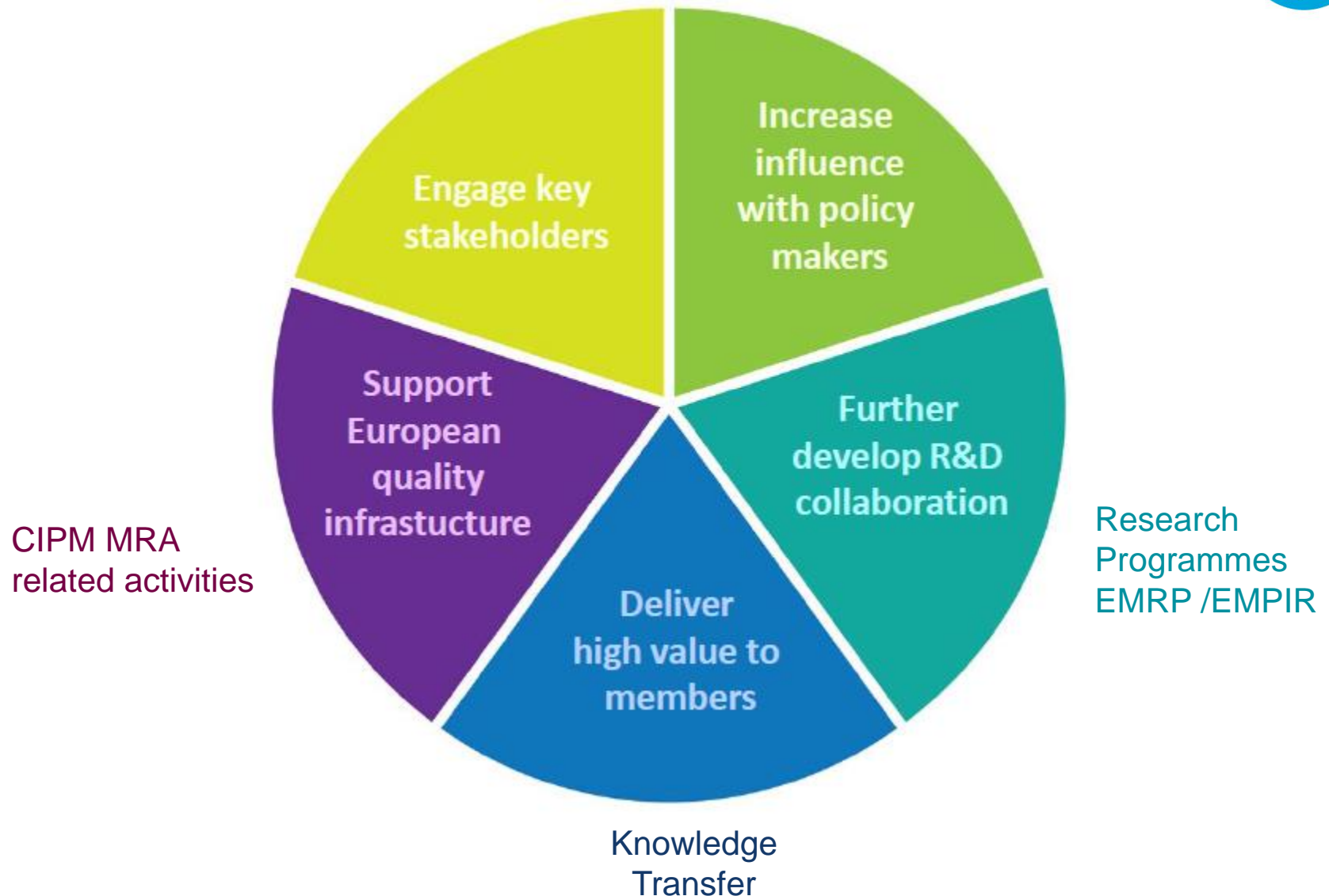


G11.05.02 Strategic Activities

**11th General Assembly
16 May 2017**

Beat Jeckelmann, EURAMET Chairperson

Strategic Objectives



Increase Influence with policy makers



- **ISO:**

- Memorandum of Understanding signed
- EURAMET TCs can act as liaison organisation in ISO TCs (first links established in TC-F)



- **CIE**

- Memorandum of Understanding signed



Regulation scrutiny group established

- Collate information about regulation that contains metrological needs anticipate upcoming regulation that may include metrological challenges, “watch-dog function”.
- Communicate with COM to raise visibility of EURAMET in order to increase effectiveness of EURAMET for science-based policy advice.
- Establish a strategic research agenda for regulation-driven metrology research.

Research Programmes



Impact reports and case studies demonstrate the Impact of the JRPs carried out in EMPIR

European Metrology Research Programme
Delivering Impact



Better Infant hearing tests

Three in every 1000 babies are born with hearing impairment, which hampers development of language skills. Rapid identification is key for early intervention, so many national health authorities have hearing testing programs for babies. However the headphones used for hearing tests are set up using ear simulators designed for larger adult ears. Tailoring these to smaller ear sizes will improve the accuracy of assessments of hearing loss in young children.

Europe's National Measurement Institutes working together
The European Metrology Research Programme (EMRP) brings together National Measurement Institutes in 23 countries, to address key measurement challenges at a European level. It supports collaborative research to ensure that measurement science meets the future needs of industry and wider society.

European Metrology Research Programme
Delivering Impact



Investigating nano-defects

As electronics get ever smaller, detecting defects during quality control becomes more difficult. NSMM, a scanning microscopy technique, offers a new way to spot defects by measuring electromagnetic properties and has potential for investigating new materials for faster chips. For it to be viable for either of these, traceable calibration methods are needed so ultrafast electronics manufacturers have confidence in its use.

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European Metrology Research Programme



Industry impact report

A summary of the outputs and impact of the first EMRP joint research projects in the Industry theme.

The aim of research in this theme is to develop metrological methods and techniques to improve the measurement infrastructure for industry in order to support product innovation, process improvement and quality assurance. The research is focused on advanced manufacturing processes in a wide range of industrial sectors.

EURAMET e.V. - the European Association of National Metrology Institutes

What comes after EMPIR?



- Demonstrate that there has been, and will continue to be, progress towards a more harmonised and coordinated European metrology landscape.
- EURAMET needs evidence of progress so far (important for the upcoming Commission evaluations)
- Strategy and concept needed for the future development and the monitoring of the situation.

Coordination study



Map the landscape of coordination among EURAMET members and develop options for further development

On-line questionnaire sent to all NMIs/DIs (through an external consultant, Optimat Ltd.)

- 67 survey questionnaires received and analyzed
- 33 from NMIs and 34 from DIs

Optimat report



- Final report of the study was delivered in December 2016.
- On 17 January, a workshop with the NMI directors took place:
 - Presentation of results of the study
 - Understanding visions and ambitions of NMIs and DIs with respect to more coordination in European metrology
- A “coordination strategy” is under development (due date end of 2017)



Key message from director's workshop



- A coordinated approach in European metrology is necessary to address many of the future challenges. The challenges are often of similar and prime importance for all European countries.
- Despite the progress made so far, there are many underexploited opportunities for more coordination.
- Most opportunities for coordination are still seen in a European Metrology Research Programme. Building on the achievements of EMRP and EMPIR, the next programme should concentrate on projects with pan-European importance.
- More potential for coordination is seen in the realisation of the metrology infrastructure. The introduction of a coordination and support instrument in the next metrology programme, or the support from European structural funds needs to be explored.

Key messages (2)

- EURAMET and the NMI community are not influential enough in the field of regulation. EURAMET should become more visible, act as a lobbying organisation and become the EC contact and entry point when metrology questions are addressed in regulation.
- Service provision should primarily remain in the hands of the NMIs. Coordination in this field is best decided and initiated at national or regional level; EURAMET can support if asked but should not take the initiative.



Member support



- BOD-WGDI established to advise
 - BoD in strategic matters related to DIs
 - DIs, TCs and Secretariat in practical issues of DIs
 - Convenor: Janko Drnovsek
- Support for DIs without CMCs (> 5 years)
 - Roadmaps towards CMCs
 - Review reasons for designation



BIPM – EURAMET TC Leadership Course 7-10 Feb 2017

- tailored to EURAMET needs
- 18 participants, 12 countries, 8 TCs



Thank you for your attention!

chairperson@euramet.org