



G10.03.02

Strategic Activities

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Strategic Objectives



Key stakeholders



ESA – EURAMET:

- Letter of Intend to cooperate, in support of space reserach and technology requiring metrological knowledge and information
- First fields of common interest identified



Increase Influence with policy makers



CEN – CENELEC: Memorandum of Understanding renewed



- The STAIR-EMPIR group formed to facilitate dialogue and communication between the metrology research communities in Europe and CEN and CENELEC members and standardization activities (STAIR: **ST**andardization, **I**nnovation and **R**esearch)
- **EMPIR Call 2016: CEN-CENELEC TCs** identified 15 priority research needs, leading to 10 proposed research topics

Strategic Research Agenda
for Metrology in Europe
Version 1.0 (03/2016)



Strategic Research Agenda

Final version published after public consultation

The SRA is a strategic document that will:

- a. facilitate the development of future priorities for Metrology in Europe recognizing fully that NMIs and DIs operate within policies determined nationally;
- b. guide the Work Programme for EMPIR;
- c. assist EURAMET TCs to develop co-operations in research beyond EMPIR;
- d. enhance stakeholder engagement

Impact EMRP Projects



European Metrology
Research Programme



Energy impact report

A summary of the outputs and impact of the finished EMRP joint research projects in Energy.

The aim of this theme is to establish the measurement infrastructure necessary to support Europe's sustainable energy goals. The research is focused on technologies that support reduced greenhouse gas emissions and the security of Europe's energy supply.

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

First Impact Report published: Energy Projects 2010 to 2013

- 32 M€ investment
- 39 NMIs and DIs from 23 countries + NMIs USA, Japan, Korea, Brazil, Australia
- 127 contributions to 67 TCs and WGs of ISO, CEN, IEC,...
- 164 peer reviewed articles and 504 conference contributions

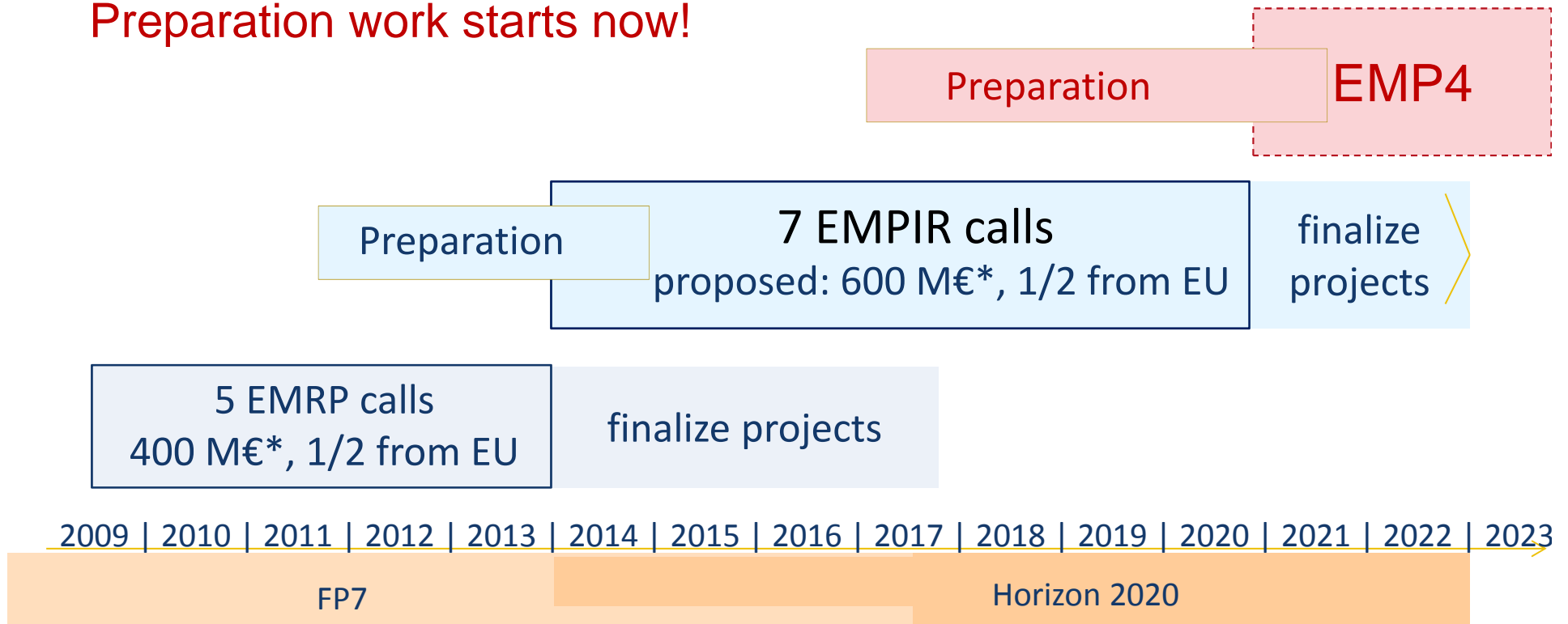
Beyond EMPIR



Next programme:

Substantial progress towards an integrated metrology landscape in Europe, with truly coordinated research and services?

Preparation work starts now!



High value to members



DI Workshop “New challenges for full integration of DIs within EURAMET”, Lyngby, Denmark, 18 – 19 February 2016

Objective

Achieve a good understanding on the specific needs and expectations of the different communities and establish an effective communication for the future.

Programme

- Organisation of EURAMET opportunities and benefits for participation in EURAMET committees and R&D programmes (EMPIR)
- CIPM MRA, CMC processes, QMS, accreditation
- Success stories of EURAMET members
- Proposals for improvement



Capacity Building



Transfer former Focus Group to new BoD Working Group; Tasks:

- Establish a **metrology capacity map** and identify national, regional and European priority needs and to establish an action plan
- Propose **appropriate research activities** to develop the research potential among the less experienced EURAMET members
- Facilitate collaborations and the **joint use of facilities**.
- Stimulate and identify the need for **training activities and comparisons**.
- Facilitate the active involvement of the BOD-WGCB members in the activities of the TCs.
- Facilitate access to **EU structural funds**, direct bilateral and multilateral agreements, and other funds, and to facilitate engagement with EMPIR



Integrated European Metrology Infrastructure



The development of an appropriate, fit-for-purpose and integrated European metrology infrastructure is one of the key objectives of EURAMET.

.. Where are we in terms of coordination and integration ?....

By “integrated European metrology infrastructure” we mean:

- a **distributed infrastructure with NMIs operating on a sovereign basis** but with much greater co-ordination and co-operation than in the past
- It does not mean that all capabilities are copied in all countries, but it means that **fragmentation and duplication are overcome** and capabilities are combined for maximum effectiveness.

Integration: Planned activities



- **TCC workshop** (February 2016):
Learn from the TCs about the specific requirements and models for coordination in the different technical fields
- **Coordination study** (April to December 2016):
Map the landscape of coordination among EURAMET members and develop options for further development
- **Directors workshop (17 January 2017):**
Present findings, discuss options, find out about visions of members, agree on next steps

Study on coordination



Deliverables:

- Report on traceability landscape in Europe
- Analysis of the effect of the research programmes including: evidence for joint developments and effects of JRPs on collaboration among NMIs
- Report on NMI vision towards increased collaboration; including implemented actions and commitments towards a more coherent European metrology capability and services
- An inventory of models for collaboration taking into account the large variety in NMI size and organisational forms and the needs of small and emerging NMIs.
- List of options for further developments

Quality infrastructure



Sustainability of the CIPM-MRA

EURAMET contributed to Working Group on the CIPM MRA Review

(⇒ see report from BIPM)

Quality Infrastructure



Dialogue with EA strengthened

- Accreditation of NMIs
- Assessors
- EURAMET guides and their use in accreditation
- Comparisons
- CMC declarations

EURAMET Calibration guides



Guidelines on the Calibration of
Non-Automatic Weighing
Instruments

EURAMET Calibration Guide No. 18
Version 4.0 (11/2015)



High potential impact

Example: Revised guide «Non-
automatic weighing instruments»

- November 2015 - April 2016:
10'743 visits web-page,
1'028 downloads



Mass and Related
Quantities



Thank you for your attention

www.euramet.org