

A large, abstract graphic on the left side of the slide, composed of several overlapping blue shapes: a large semi-circle, a smaller circle, and a curved band, all in various shades of blue.

G12.04.03
EMRP and EMPIR

EURAMET GA

29 May 2018
Bucharest, Romania

Erkki Ikonen, EMPIR Chair

Outline



- Wind up of EMRP
- EMPIR calls
 - Success rates
 - Joint publications and open access publications
- New Programme

Dagmar Auerbach is EURAMET's new Programme Manager since October 2017



- 119 JRPs funded in EMPR (total of 1257 participations)
- 385 research and mobility grants (673 participations)
- 407 M€ total costs of EMRP of which 200 M€ from EC

Impact reports



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

European Metrology
Research Programme



Environment impact report

A summary of the outputs and impact of the first EMRP joint research projects in Environment.
The aim of this theme is to improve data quality for environmental policy making, underpin environmental research activities and stimulate technological innovation. The research is focused at both the local environmental level for air, water and soil quality and at the global level for challenges relating to climate change.

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

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

First EMRP Industry projects at a glance



Pooling expertise of **28** NMIs and **22** European countries plus the NMIs from **USA, Japan, Korea, Brazil and Argentina**



Wind up of EMRP



- Final review carried out
- Fast archiving of EMRP saves resources
- Problems in completing reporting of some JRPs
- Financial consequences?

Year	Call
2014	Industry JRPs
	Research Potential JRPs
	Support for Impact
2015	Health JRPs
	SI Broader Scope (SI) JRPs
	Pre-normative JRPs
	Research Potential JRPs
	SIPs
2016	Environment (ENV) JRPs
	Energy (ENG) JRPs
	Pre-normative JRPs
	Research potential JRPs
	SIPs
2017	Fundamental JRPs
	Industry JRPs
	Pre-normative JRPs
	Research Potential JRPs
	SIPs
2018	SI JRPs
	Health JRPs
	Pre-normative JRPs
	SIPs
2019	ENV JRPs
	ENG JRPs
	Pre-normative JRPs
	SIPs
2020	Industry JRPs
	Fundamental JRPs
	Pre-normative JRPs
	SIPs

EMPIR

indicative call plan



- Long-term orientation, with room for flexibility at annual updates
- Three-year call intervals for some themes to enable follow-on projects
- Annual calls for “support for impact” (SIP) actions and standardisation related research “pre-normative”
- Calls for research potential (development of research capability in NMI)

Changes for calls 2018 onwards



- Greece is a regular participant of EMPIR calls from 2018 onwards
- New PRT sifting process:
 - Unanimously agreed by EMPIR Committee in its previous meeting
 - Up to 3 reasons why PRTs were not taken forward to the SRT stage (selected from a pre-defined list)
 - Introduction of a 'grey' zone of SRTs for voting in the EMPIR Committee meeting

2019 EMPIR Calls



- Energy
- Environment

2019 EMPIR Calls



- Energy
- Environment

- Pre-normative (slightly bigger budget per JRP?)
- Research potential (under discussion)

- European Metrology Networks?
- Support for impact

Outline



- Wind up of EMRP
- EMPIR calls
 - **Success rates**
 - Joint publications and open access publications
- New Programme

- **132 PRTs** received (49 ENG, 43 ENV, 30 NRM, 10 RPT)
- **57 SRTs** published (18 ENG, 18 ENV, 15 NRM, 6 RPT)
- **54 JRP** proposals received (17 ENG, 17 ENV, 14 NRM, 6 RPT)
- 7 SIP proposals received
- Review Conference held in Rotterdam 14-24 Nov 2016
- **30 JRPs** (9 ENG, 10 ENV, 8 NRM, 3 RPT) and 1 SIP selected for funding

2017 Call figures



- **163 PRTs** received (89 IND, 40 FUN, 16 NRM, 18 RPT)
- **68 SRTs** selected (29 IND, 18 FUN, 11 NRM, 10 RPT)
- **60 JRP** proposals received (26 IND, 17 FUN, 7 NRM, 10 RPT)
- 10 SIP proposals received
- Review Conference held in Monaco 8-16 November 2017
- **33 JRPs** (14 IND, 10 FUN, 5 NRM, 4 RPT) and 7 SIP selected for funding
- **Success rate control!**

Joint publications and open access publications



- Joint publications are important to demonstrate the added value of EURAMET research programmes
- About 170 co-authored publications until end of 2016
- Remaining about 120 after removing conference papers and those with incomplete publication information
- Close to half of those come from 10 JRPs with at least 3 co-authored refereed publications (mostly international)
- Eight productive JRP are from call years 2009-2010, where the total number of JRPs is 35

Call years 2009-2010 cover 35 out of the total 119 JRPs

- Ask coordinators to update the publication list after the final report is approved, re-analysis of EMRP in 2019
- Make positive news of the 10 productive JRPs in joint publications (Action TB15-A02 by June 2018)

Call years 2009-2010 cover 35 out of the total 119 JRPs

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- Make positive news of the 10 productive JRPs in joint publications (Action TB15-A02 by June 2018)

Quality of literature information of the study was "variable"

- For mid-term review 2019: A list of clickable open access links in EMPIR is requested and checked!
- Referees are often counting the number of publications
- There are some voices that money could be saved by non-open-access publishing – discourage such behaviour!
- *"Horizon Europe promises to get serious on open access"*

European Metrology Research Programmes



EMRP = European Metrology Research Programme (2009-2017)

23 member countries

EMPIR = European Metrology Program in Innovation and Research (2014-24)

28 member countries

EPM = Possible future programme

