

EMPIR Work Programme

Call Scope – Metrology for Pre- and Co-normative Research (2017)

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The overall strategic aim of the Targeted Programme (TP) “Pre- and co-normative research” is to develop metrological methods and techniques required for standardisation. Proposed topics should address one of the following strands:

- 1) Specific documented demands of European and international Standards Developing Organisations (SDOs) for metrological research in any area. Proposals may address the development of traceable measurement methods or the provision of validated data sets, which are required for documentary standards. The demand for the research shall be demonstrated by clear reference to the measurement needs within strategic documents published by the SDO (Technical Committee(s) (TCs) or Working Group(s), (WGs), (e.g. in the Business Plans or Work Programmes) or by a letter signed by the convenor of the respective TC/WG).

Proposals in this strand are expected to be mostly "co-normative" in nature, i.e. addressing actual standardisation development work. It is expected that projects selected for funding will have fewer partners and lower eligible costs than Joint Research Projects selected under other TP calls (e.g. industry, health, energy or environment).

- 2) Identified standardisation needs for metrological research with a potential for high impact. Proposals in this strand should address "grand challenge standardisation" and strategic priorities for European standardisation, e.g. as identified by the European Union or as supported by European and international SDOs, e.g. by letters of support.

Proposals are expected to group different metrological R&D needs under a comprehensive theme or field such as smart grids, the Internet of Things, climate change and resource efficient Europe, etc. The potential higher impact is expected to be achieved by addressing standardisation work of several Technical Committees of possibly more than one SDO.

It is expected that the projects selected for funding will be similar in size and budget compared to Joint Research Projects selected under other TP calls (e.g. industry, health, energy or environment).

For both strands, EURAMET encourages proposals that include representatives from industry, regulators and standardisation bodies for their active participation in the projects, specifically to ensure that the project outputs are acknowledged by the SDO TC/WG.

EURAMET wishes to generate benefit for European and international SDOs whilst exploiting the unique capabilities of its member National Metrology Institutes and Designated Institutes. This TP will enable and promote collaborative research going beyond the state of the art. As with all other TP's under EMPIR, this TP shall strengthen the mutual cooperation of European NMIs, leading to coordinated European metrology infrastructures where appropriate.