

## **Article 169 based EMRP Call 2009 - Call Scope**

This Call for Potential Research Topics opens one specific area of the 2008 edition of the European Metrology Research Programme – the “EMRP Outline 2008” (cp. Section I.1.1 and II.5 Grand Challenges – Energy).

### **1. Targeted Programme “Energy”**

The overall strategic aim of the **Targeted Programme “Energy”** is to contribute to the establishment of a **sustainable European energy system** through metrological research. Such a sustainable energy system in the long term requires technologies that do not cause significant irreversible environmental damage along the whole energy chain, no matter where or when this damage may occur. In particular, technologies are required without or with greatly reduced emissions of greenhouse gases such as CO<sub>2</sub> or methane. In parallel, the security of supply of energy for the European consumer must be guaranteed.

The Targeted Programme “Energy” focuses on **metrological research**, which supports steps towards such a sustainable and secured energy system while increasing the competitiveness of Europe's industries.

The Call is open to potential metrology research topics related to all sources of energy, traditional as well as novel types of sources and technologies with longer-term potential. The whole energy chain comprising generation, conversion, transport, storage, and consumption of energy is included.

The Call aims to identify Potential Research Topics that address “grand challenges” and go beyond the capacities of single partners/countries, and thus have the potential of step-change improvements and/or significant impact within Europe.

Further details of are given in “EMRP Outline 2008”.

No other areas of the EMRP are open for Calls for Potential Research Topics at this time.