



G12.07.01

## Highlights from TG Energy

EURAMET GA – Sector Topic Energy  
29 May 2018 – Bucharest, Romania

**Jean-Rémy Filtz (LNE)**

On behalf of **Gert Rietveld (VSL)**  
**TG Energy chair**



## □ Mission

- Tasks, Members

## □ Activities

- Support to Euramet
- Market, Technology and Scientific Watch on Energy
- Sharing Experiences
- Dissemination

## EURAMET Task Group Energy (as per GA, May 2014)

*“to stimulate and organize the **scientific & technical collaboration** among EURAMET members and associates, in order to form a coherent and **effective response** to the industry and society needs for **energy metrology**”*

8 Members with different technical backgrounds, from 8 different institutes (VSL, RISE, VTT, PTB, NPL, LNE, UTorino, ENAGAS)



## Tasks:

- develop a **Strategic Research Agenda** for energy metrology;
- update and elaborate **Roadmaps** and to facilitate **Joint Research**;
- projects tackling challenges in these roadmaps;
- support and complement work of **Euramet TCs** in metrology for energy;
- **liaise with** industry, governments, standardization bodies, universities, and other **organisations active in the field of energy**;
- **stimulate** development of **written standards and best practices**;
- **disseminate expertise and knowledge** via seminars, workshops, conferences

- **Support to Euramet BoD**

- Suggestions, Critical analysis

- *Suggest priorities in the 2019 Energy call (as in Health)*
    - *How to get successful projects on interdisciplinary challenges?*
    - *Evaluation of topics with applied focus (bridging innovation gap)*

- ➡ 1 Webmeeting + 1 face-to-face meeting to prepare the EMPIR 2019 TP Energy call scope

- *Review stakeholder material & gap analysis*

# Stakeholder review (1)

*Review stakeholder material ENERGY  
– in preparation of EMPIR 2019 Energy call –  
Gert Rietveld, VSL, TG Energy Chair, version 3, 6 November 2017*

- 1. EU Energy Union, H2020 Energy calls 2018- 2020**  
⇒ Energy efficiency & global leadership in renewables
- 2. Stakeholder workshop, November 2015**
- 3. Euramet SRA, 2016 (written in 2015)**  
⇒ Expected key outputs still relevant
- 4. Overview of past EMRP and EMPIR Energy calls (2009, 2013, 2016)**  
– total of 31 JRPs
- 5. Gap analysis**  
⇒ Storage and conversion largely missing  
⇒ Efficiency and non-carbon-based RES under-represented

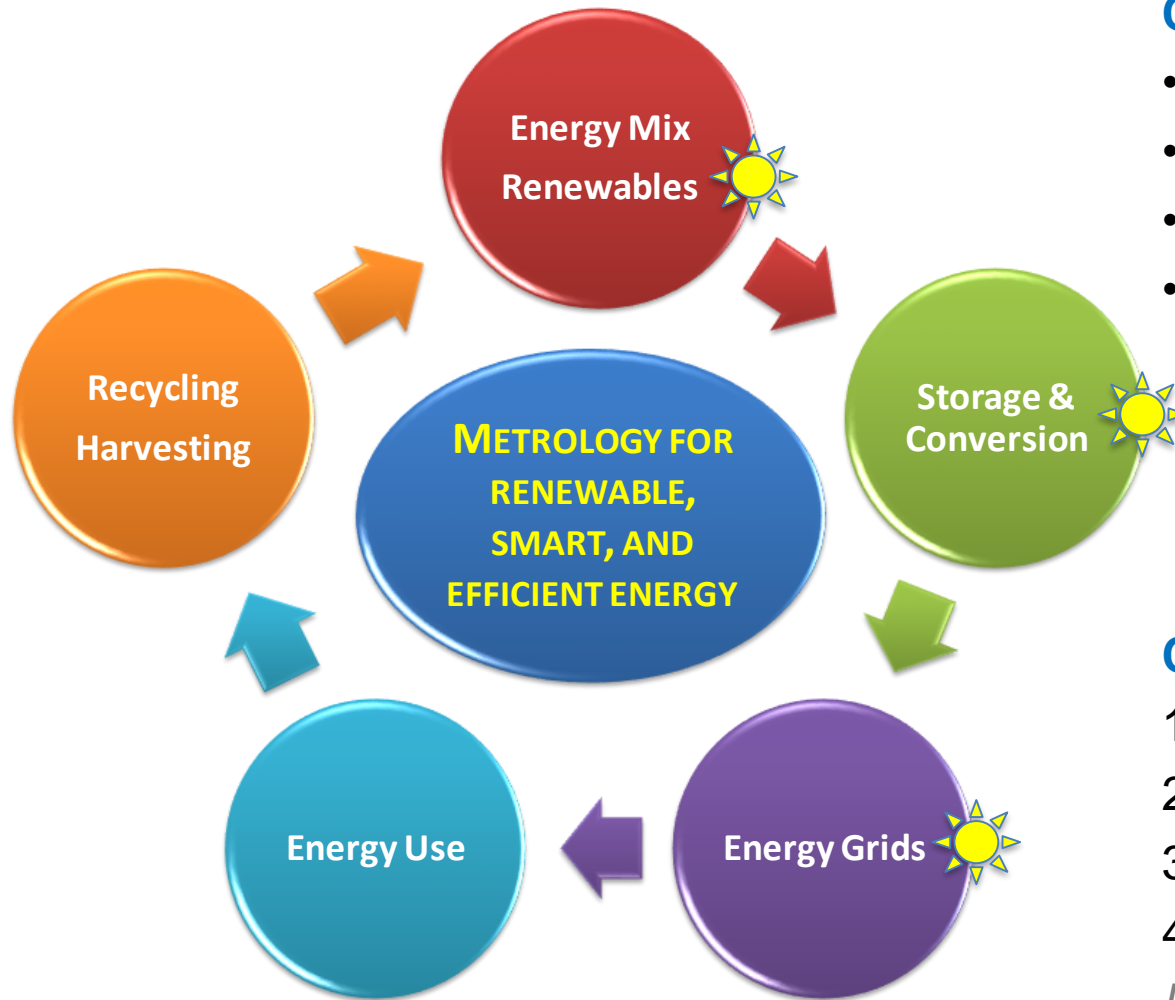


## Why PRTs do not become a successful JRP:


- Multidisciplinary approach required, making it difficult to write a strong proposal (insufficient cooperation technical areas)
- Practical measurement needs: insufficient research content, 'too applied' (flow, temperature, electricity; STAIR-EMPIR)
- 'Non-traditional' metrology required
- Different experience in JRP project writing between Euramet TCs  $\Rightarrow$  some technical areas over- c.q. underrepresented

## Subjects without PRTs:


- no eminent metrology needs
- insufficiently awareness of measurement needs



## Cross-cutting themes

- Efficiency 
- Big data – data analytics
- Modeling
- Materials

## Call Priorities

1. Efficiency
  2. RES
  3. Smart grids
  4. Storage, Conversion
-  *EU Energy Union Strategy*
- Gap analysis*

*NB 2016: no prioritisation!*



- **Dissemination, Surveillance, Stakeholder needs**

- **Energy session** at CIM 2017 International Metrology Conference (Paris, France)



- Attending the **2 EMN Workshops** (Berlin-2017, Paris-2018)



- Attending a Forum **on Energy Management** and a Workshop **on Energy Storage** (Brussels-2018, Belgium)



- Organizing a **Joint TG ENG/ENV Stakeholder Workshop** (Oct 2018, Paris, France)



## Joint Stakeholder Workshop

TG ENG – TG ENV



**22-24 Oct 2018**

**LNE, Paris, France**



G12.07.01

## Highlights from TG Energy

EURAMET GA – Sector Topic Energy  
29 May 2018 – Bucharest, Romania

**Jean-Rémy Filtz (LNE)**

On behalf of **Gert Rietveld (VSL)**

**TG Energy chair**

