

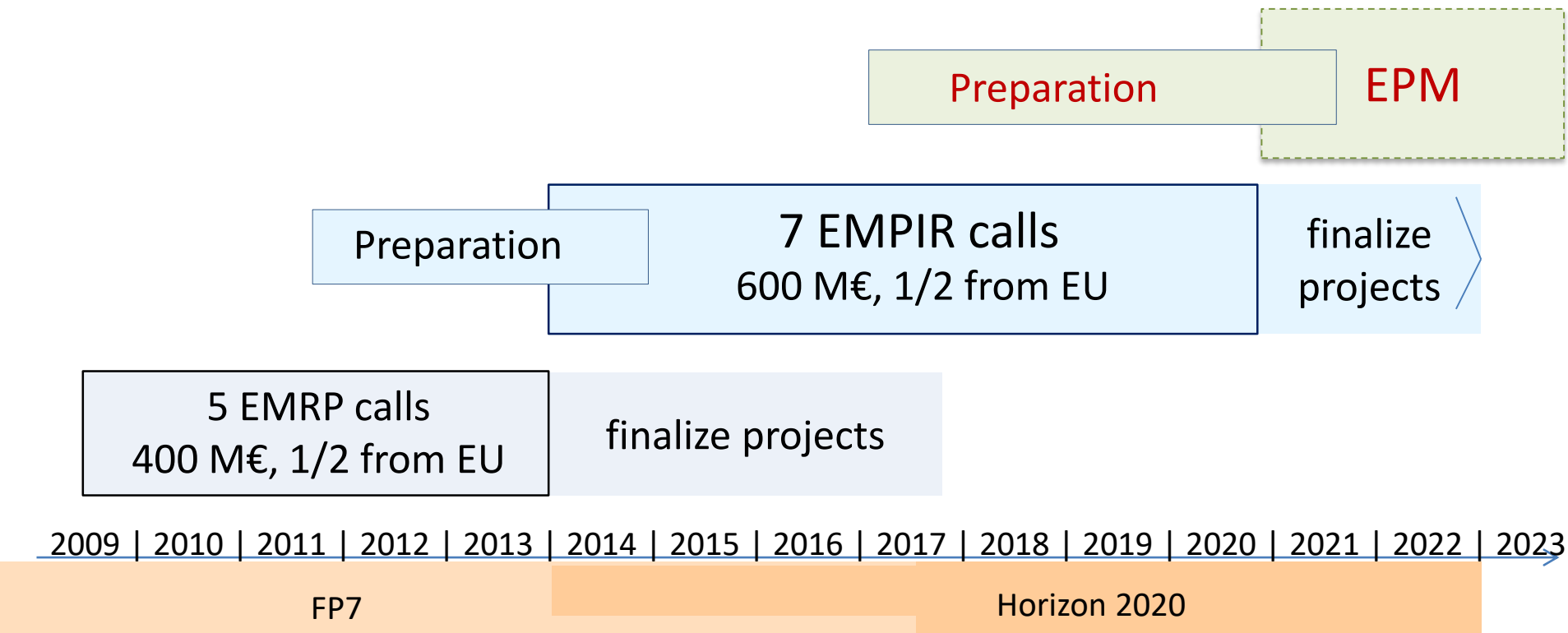


# EMRP & EMPIR

GA 2019

Erkki Ikonen  
EMPIR Chair

# EURAMET research programmes



- Energy, Environment, Normative, Networks, Research Potential+, Support for Impact
- 107 eligible Potential Research Topics were received
- 53 Selected Research Topics will be decided this week
- JRP proposals prepared 13 June – 30 Sept
- Review Conference 5 – 14 November

- Industry, Fundamental, Normative, Networks, Support for Impact
- Call scope drafts were circulated to TCs for comments in January 2019
- Call scopes to be agreed this week
- PRT Call: 8 January – 17 February 2020
- Last EMPIR projects end in 2024

# Impact for EMPR & EMPIR



**FP7 / H2020  
Objectives**

**European growth and jobs**  
**Respond to societal challenges**  
**Create an integrated European Research Area**

**EMRP/ EMPIR  
Specific  
Objectives**

- **Boost industrial uptake of metrology research** supporting development of **new & improved products and services**
- **Improve standardisation / regulation**
- Underpin a coherent, sustainable and **integrated European metrology landscape**

# Impact for EMPR & EMPIR



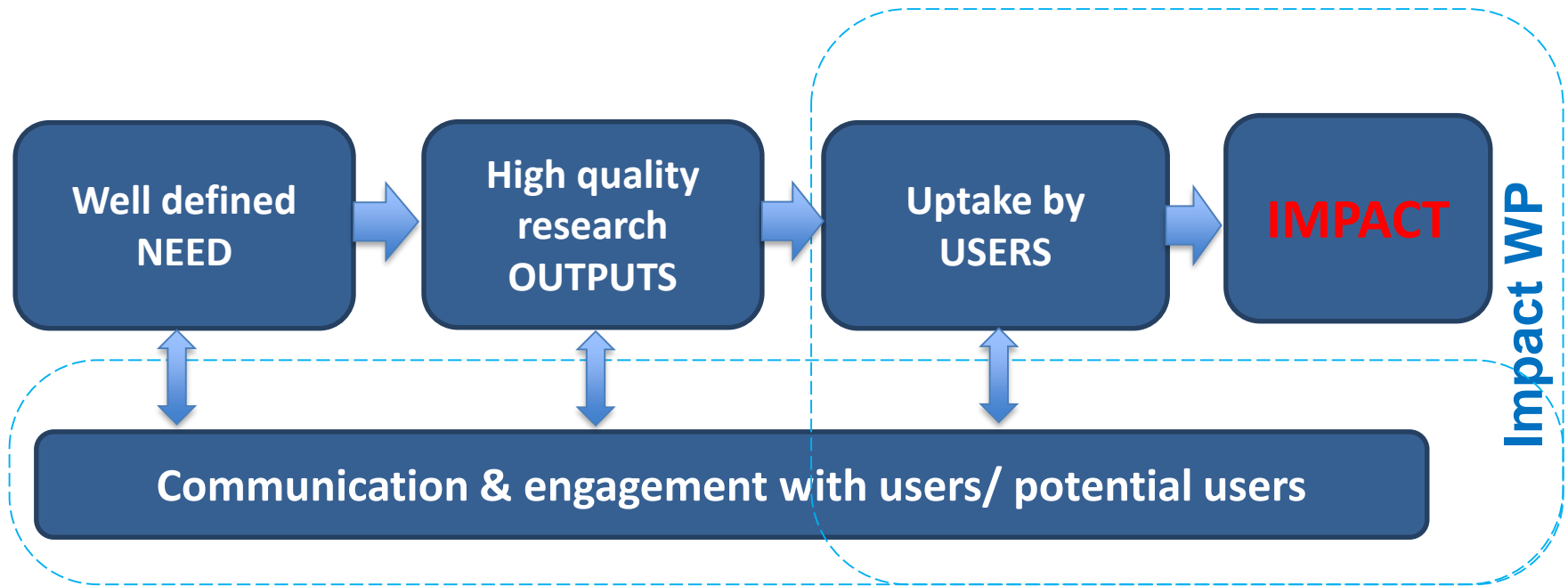
**FP7 / H2020  
Objectives**

**European growth and jobs**  
**Respond to societal challenges**  
**Create an integrated European Research Area**

**EMRP/ EMPIR  
Specific  
Objectives**

At least €400m of European turnover from new or significantly improved products and services that can be attributed to the research activities of EMPIR and its predecessors

# How to maximise impact and opportunities for impact: Designing impactful projects



# How Euramet collates impact

At project finish, co-ordinator sends MSU final reports - including the Output and Impact Report. Used for:

- Generating theme statistics
- Checking content in Final Summary Impact section



To collect impact examples for case studies:

Project co-ordinator and stakeholders interviewed to gain understanding of:

- Who has used project outcomes, and what these enable them to do better
- Attributable financial benefit from using outcome (contribution to achieving Euramet KPI of 400 €m in economic benefit to EU)



# Impact case studies



European Metrology  
Research Programme  
Delivering Impact



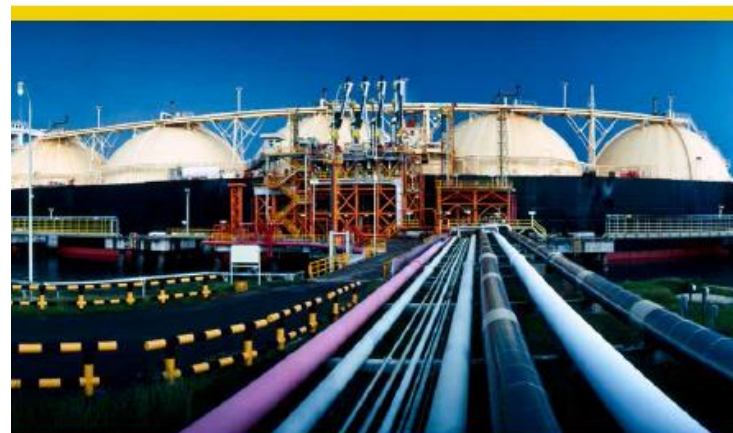
## Fast track to drug discovery

Identifying new drugs is an expensive business. Drug discovery takes time and may offer developers a relatively low payback, especially for new antibiotic compounds. New, rapid methods to identify potential drugs could reduce cost and accelerate the introduction of new treatments. This is particularly important for antibiotics where many of our current drugs are becoming ineffective as resistance to them develops in the microorganisms they are designed to attack.

**Europe's National Measurement Institutes working together**

The European Metrology Research Programme (EMRP) brings together National Measurement Institutes in 23 countries to address key measurement challenges at a European level. It supports collaborative research to ensure that measurement science meets the future needs of industry and wider society.

European Metrology  
Research Programme  
Delivering Impact



## Diversifying Europe's energy supply

The recent increase in energy prices and instability of pipeline gas imports over the past few years have heightened concerns about the security, diversity, and competitiveness of Europe's natural gas supply. Coupled to this, alternative fuels are urgently needed to break the over-dependence of European transport on oil. Liquefied natural gas (LNG) could play a major role in diversifying Europe's energy supply and securing a stable, greener future.

**Europe's National Measurement Institutes working together**

The European Metrology Research Programme (EMRP) brings together National Measurement Institutes in 23 countries to address key measurement challenges at a European level. It supports collaborative research to ensure that measurement science meets the future needs of industry and wider society.

# 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



## 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 to support product innovation, process improvement and quality assurance. The research is focused on advanced manufacturing processes in a wide range of industrial sectors.

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

DRAFT

European Metrology  
Research Programme



## Environment impact report

A summary of the outputs and impact of the finished 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



# Outcome and impact of EMRP

