



**Panel discussion:
Experiences with ESI Funds and
innovation**

**Tanasko Tasić, Capacity Building
Officer EURAMET – EMRP - EMPIR**

Workshop on public partnerships (P2Ps) as drivers of
linking structural funds and research & innovation

Brussels, 20 June 2017

Outline



- Motivation for participation in the event
- About EURAMET/EMPIR
- Reporting on EMPIR operational objective
- Some experiences
- RIS3, OP, SF: understanding of approach for the future

Why am I here?



- Reporting on EMPIR operational objective
„Support capacity building in developing NMIs, in particular by assisting national authorities to fully exploit the use of structural funds and other relevant programmes. The expectation is to increase the leverage of EU structural funds and other programmes, from 0% under EMRP to 10% of the co-investment in EMPIR“

How to present the leverage?

- Future members' support in accessing structural funds for metrological facilities

EURAMET is



- European Association of National Metrology Institutes
- The gateway to Europe's integrated metrology infrastructure
- It facilitates access to European measurement expertise, and underpins the delivery of globally competitive, high impact metrology
- It ensures Europe maintains its global reputation for excellence in measurement science
- It raises awareness of the value of measurement by demonstrating the impact of metrology on society's grand challenges

EURAMET is



Members:

37 European NMIs

28 of them are participating in EMPIR

Associates:

1 corresponding applicant

78 A-DIs (Designated Institutes)

Liaison Organisations:

RMOs & BIPM

3 NMIs beyond Europe

KMA (Kosovo under UNSCR 1244)

6 regional/international Organisations

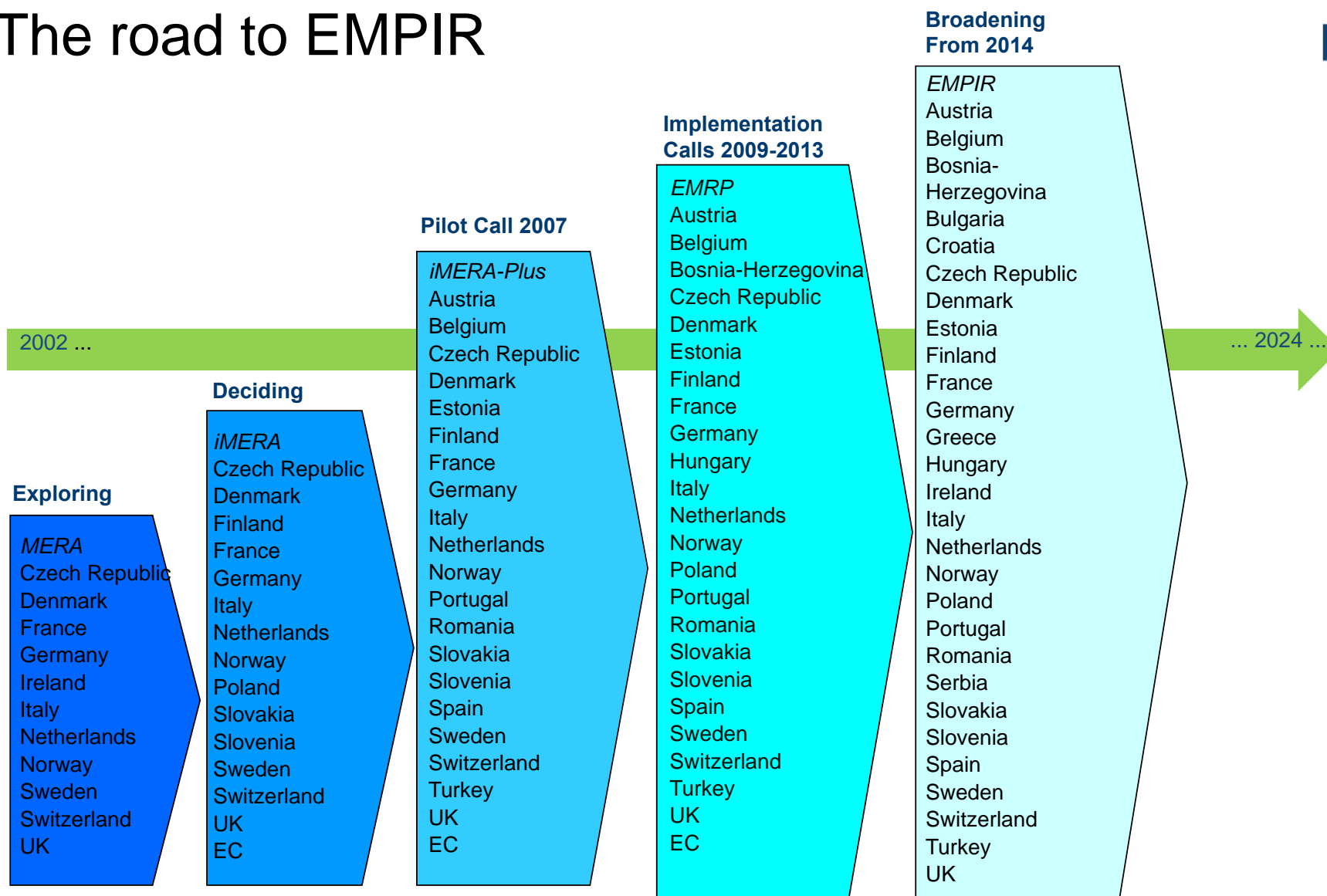


What is EMPIR?



- European Metrology Programme for Innovation and Research (EMPIR)
- It is about improving measurement to drive innovation and competitiveness.
- It enables European metrology institutes, industrial organisations and academia to collaborate on joint research projects.
- It is based on Article 185 of the Lisbon Treaty.
- It is jointly funded by the EMPIR participating countries and the European Union and has a budget of approximately 600 M€ over seven years
- It is implemented by EURAMET

The road to EMPIR



Reporting on EMPIR operational objective



„Support capacity building in developing NMIs, in particular by assisting national authorities to fully exploit the use of structural funds and other relevant programmes. The expectation is to increase the leverage of EU structural funds and other programmes, from 0% under EMRP to 10% of the co-investment in EMPIR“

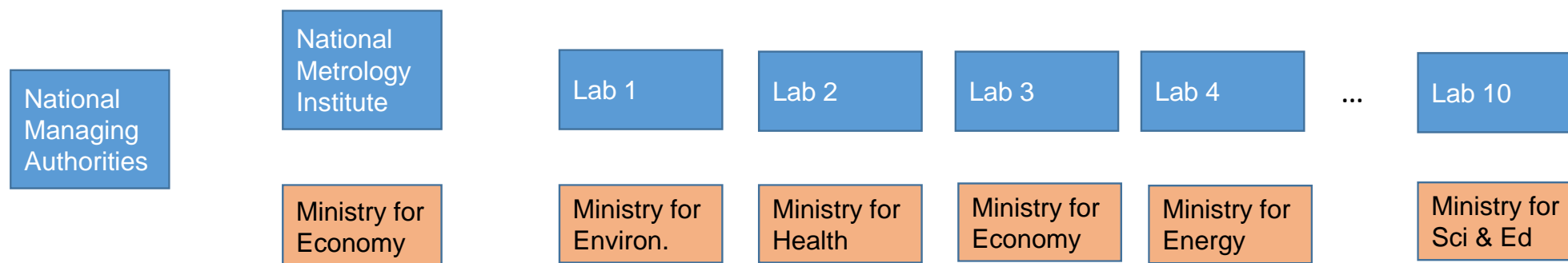
The survey was performed to acquire data about the facilities and measuring equipment that have been acquired from 2000 onwards through ESIF and IPA (both in NMIs and DIs or other laboratories).

Data collection from NMI/Dis of data on SF/IPA investments in metrology equipment, preliminary results



Bulgaria	BIM	5.835.575,00	15RPT04	41540
Croatia				
Czech Republic				
Denmark				
Estonia	METROSERT	1.868.150,43		0
Finland	MIKES/AALTO	0,00		n.a.
France	LNE	0,00		n.a.
Germany	PTB	0,00		n.a.
Greece				
Hungary				
Ireland	NSAI	0,00		n.a.
Italy				
Netherlands	VSL	0,00		n.a.
Norway		0,00		n.a.
Poland	GUM	872.026,70		0
Portugal				
Romania				
Serbia	DMDM	2.451.393,98		0
Slovakia				
Slovenia	MIRS	2.967.731,77	EMRP IND12, HLT08, SIB54, ENV07, SIB10, SIB64, EMPIR 14SIP01, 14IND06, 15HLT07	969503,32

Some experiences and specifics (Slovenia)



- Centralised purchase of metrological equipment
- Operational programme for development of regional development potentials (2007-2013) / Infrastructure of metrology system (OP13.1.2.5)
- EUR 2.967.731,77
- Coordinated by Metrology institute of Republic of Slovenia (MIRS)
- Equipment is in laboratories of 10 institutions
- Duration of purchase process up to 9 years (2006 – 2015)
- numerous iterations of preparation of documents
- The metrology institute (MIRS) is the owner of measuring instruments,
- Traceability, insurance, depreciation... paid by users

Good examples (Slovenia)



IMT (Institute for Metal Technologies)

Equipment: Vacuum calibration system

& project

EMRP IND12 project Vacuum metrology for production environments

- leak detection of vacuum systems and vacuum components
- partial pressure measurements in vacuum processes
- outgassing rate measurements of vacuum materials

End-users

- manufacturer of refrigerators
- storage of nuclear waste

NIB (National Institute of Biology)

Equipment: for PCR (Polymerase chain reaction)
real time PCR, digital PCR, droplet digital PCR

& projects

EMRP HLT08 INFECT-MET - Metrology for monitoring infectious diseases, antimicrobial resistance, and harmful micro-organisms

EMRP SIB54 Bio-SITrace - Traceability for biologically relevant molecules and entities

EMPIR 15HLT07 AntiMicroResist- Novel methods and materials for the detection, traceable monitoring and evaluation of antimicrobial resistance

End-users

- health protection (antimicrobial resistance diagnostics & knowledge)
- pharmaceutical (safer and more targeted medicines)
- food industry (compliance with GMO regulations)
- environmental protection

How to present the leverage ?



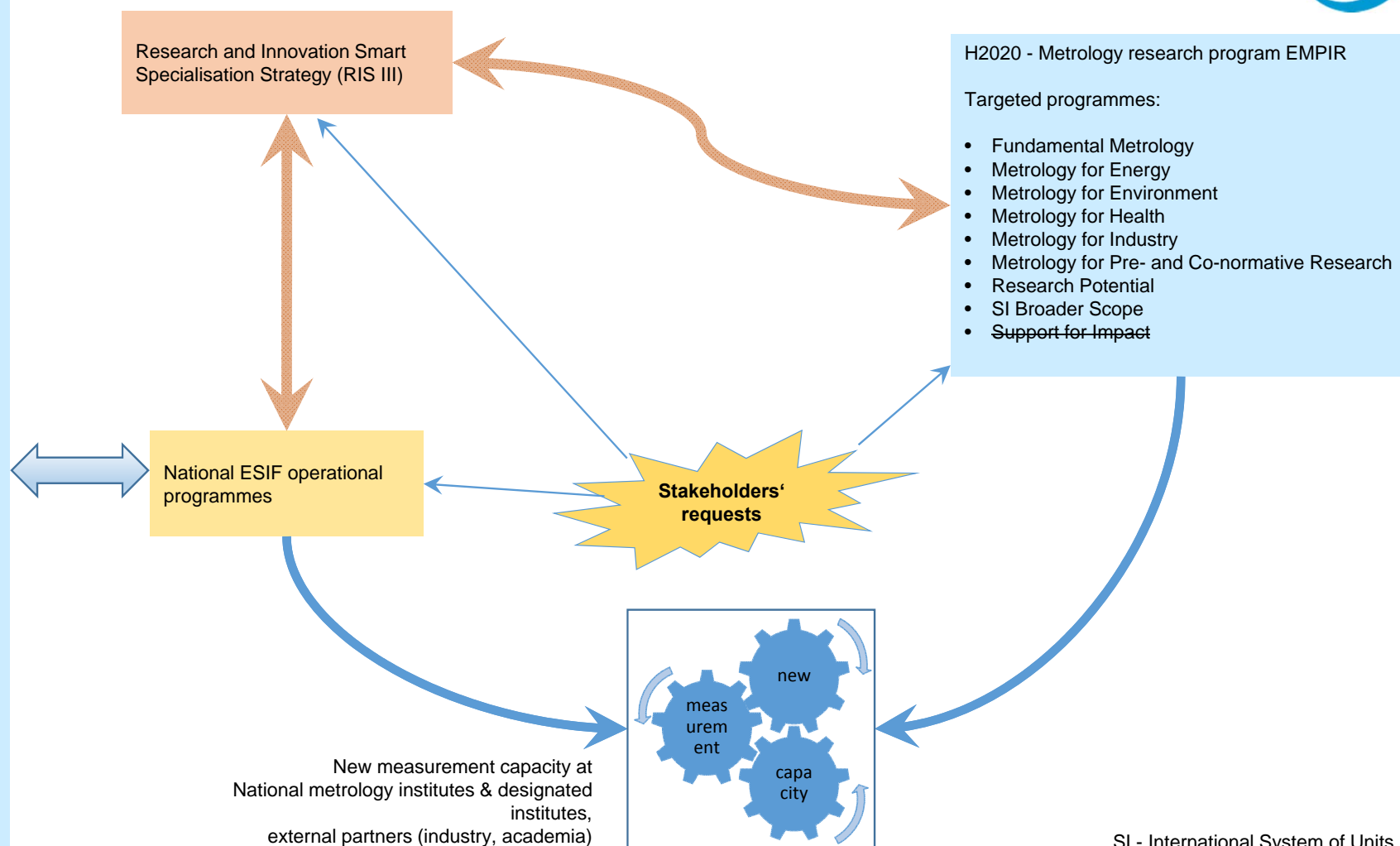
- Yes, there is a synergy (equipment XX is operated for project AA, CC and FF)
- or
- 100 k€ equipment in institution A is used on project X where institution A has share 200 k€
- or
- institutes participating in 50 M€ cal 2011 have used equipment in value of 4 M€

How to proceed in supporting members to acquire funding?



ESIF: intervention fields

- Energy infrastructure
- Environmental infrastructure
- Transport infrastructure
- Sustainable transport
- Information and communication technology (ICT) infrastructure
- Social, health and education infrastructure and related investment
- Research and development and innovation
- Business development
- Information and communication technology (ICT) — demand stimulation, applications and services
- Development of endogenous potential - Environment
- Development of endogenous potential - Other
- Promoting sustainable and quality employment and supporting labour mobility
- Promoting social inclusion, combating poverty and any discrimination
- Investing in education, training and vocational training for skills and lifelong learning
- Enhancing institutional capacity of public authorities and stakeholders and efficient public administration
- Technical assistance



H2020 - Metrology research program EMPiR

Targeted programmes:

- Fundamental Metrology
- Metrology for Energy
- Metrology for Environment
- Metrology for Health
- Metrology for Industry
- Metrology for Pre- and Co-normative Research
- Research Potential
- SI Broader Scope
- ~~Support for Impact~~

SI - International System of Units

My Questions



- How to present the leverage/synergies?
- Alternative source of information on investments in metrology
- Which is the right pot for metrological equipment (ERDF, ESF, Cohesion, EAFRD)?
- Are RIS3 fixed for 2014-2020 ?
- Are OPs fixed for 2014-2020 ?
- All EU countries are eligible for 2014-2020?
- National financing participation for purchasing equipment from the EU structural funds,
 - is it necessary in all cases (countries)?
 - how is it determined?

Thank you for your attention

tanasko.tasic@euramet.org