Promoting measurement science

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Content

- Impact Examples – focusing on economic benefit
- What is impact?
- Why is it important?
- How Euramet collates impact.....
  .....and why
- What Euramet can share

Impact examples

https://vimeo.com/290904405

Introducing MRI targeted radiotherapy

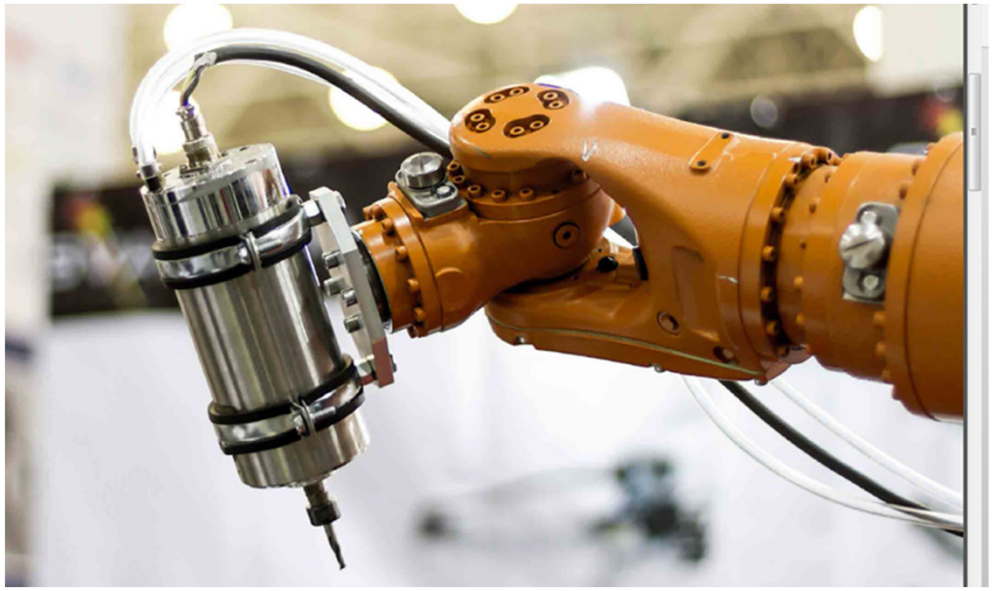
Supporting the use of MRI scanning

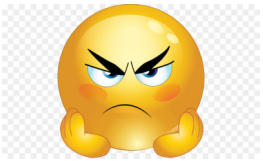
Impact examples

Success from onerous NMI requirements

Case study: Developing nano-precision positioning

BAM requires precision re-positioning instrument upgrade to fulfil EMRP project delivery ……





……but company unable to meet demanding specification

Impact examples

Company makes technical break through……

…… linear drive supplied too late for project,

but has great commercial potential

Impact examples – case studies

Supporting EU goals for self-sufficiency / protecting the environment / economic growth / improving healthcare

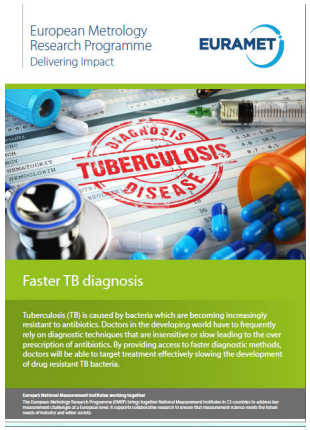
Reducing pollution (air monitoring)

Introducing greener energy supplies (Smart grids)

Safeguarding communications (GNSS – Galileo)

Increased standardisation for disease diagnosis

Future proofing economic growth through measurement innovation (TofSIMS, AFM)



Impact examples – case studies

Supporting EU member state industries to promote a resilient economy

- The Dutch healthcare and energy companies
- The Czech drive towards semiconductor production
- The Finnish wood products industry
- The Belgium diamond bourses

What is impact?

Uptake of programme outcomes by the user community to create:

Economic benefit (quantifiable?) – new / upgraded products or services

Social benefit – improved healthcare / assessment of risks and their mitigation / regulatory compliance

Input to standards / regulations???

Why is Impact important?

Demonstrating the importance of metrology to the EC and meeting Euramet's key performance indicators

400 m€ quantifiable economic benefit from their 1 b€ investment in EMRP and EMPIR programs (NB real benefit significantly greater! Factor of 10 or more)

Demonstration of value to a community of the financial investment made

Influencing decisions on future / further funding

Increasing recognition of the metrology community's contribution to society

How Euramet collates impact and why

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

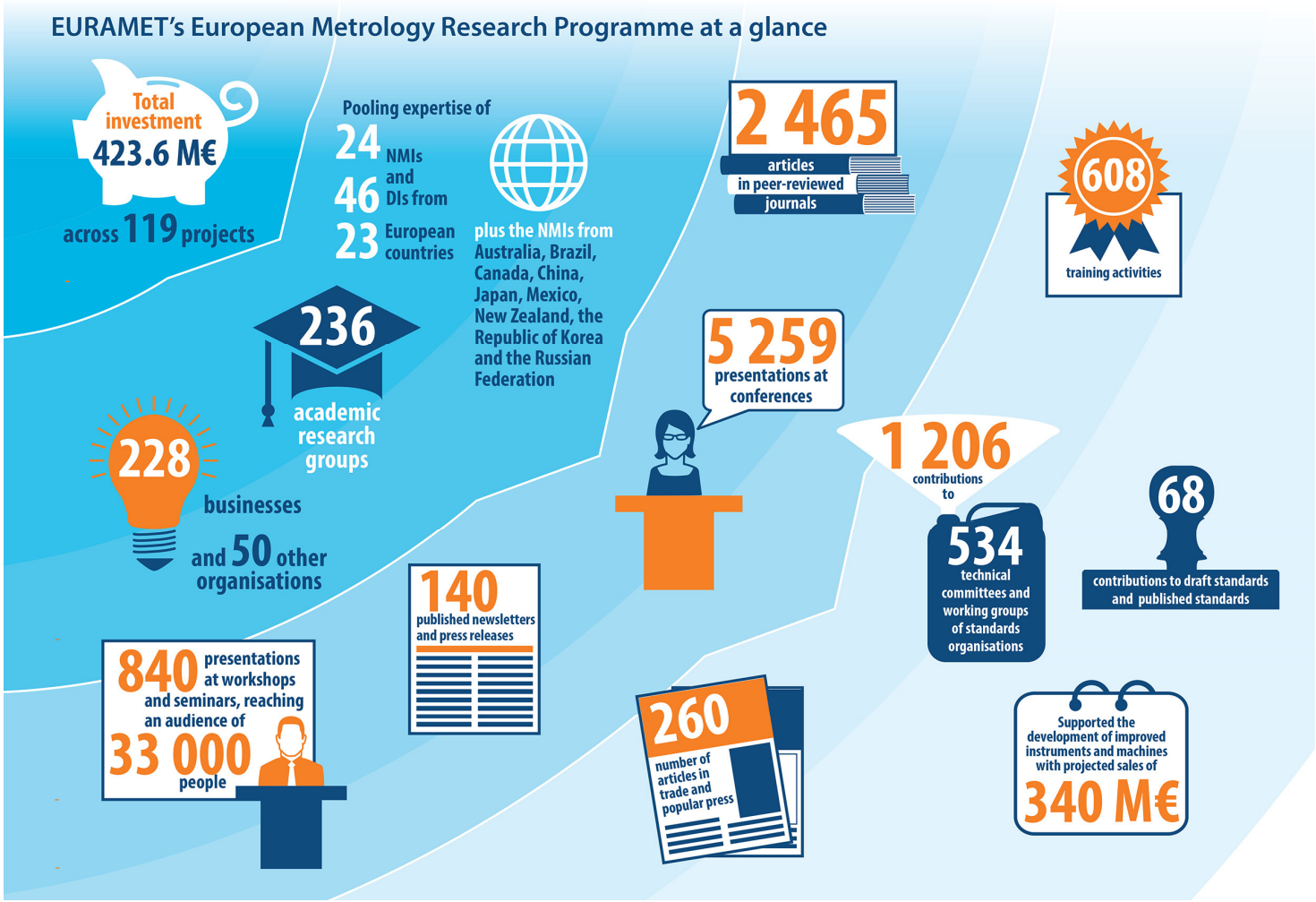
  Impact section

To collect impact examples for case studies:

Project co-ordinator (and others) 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)

How Euramet collates impact and why



How Euramet relays impact to non-technical target groups e.g. EC stakeholders

Theme impact reports:
Highlights

Key technical achievements - Project summaries

Focus on impact - short case study texts featuring generation of competitive advantage to EU companies…..

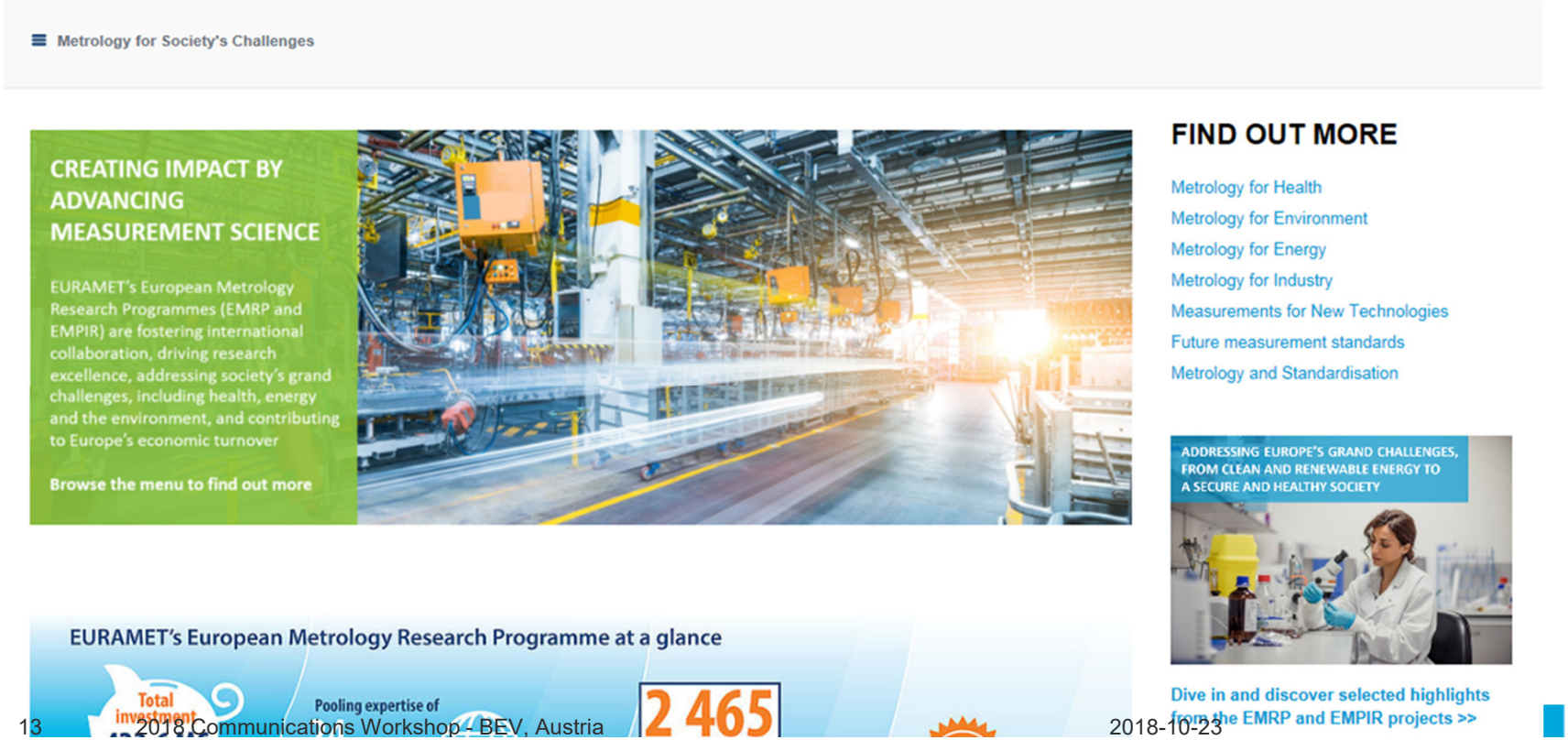
…..or….

……outcome uptake supporting grand challenges, improvements to regulatory compliance etc

How Euramet relays impact to non-technical target groups e.g. EC stakeholders

Euramet website:

- Impact and Innovation pages
- Good news stories based on project developments



Sharing information

Case studies are available to contributors and featured NMI/DI for translation and use as electronic or hard copy

NMI/DI with case studies are (so far):

Austria	Finland	The Netherlands	Spain
Belgium	France	Norway	Sweden
Czech Republic	Germany	Poland	Switzerland
Denmark	Ireland	Portugal	Turkey
Germany	Italy	Slovenia	

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