



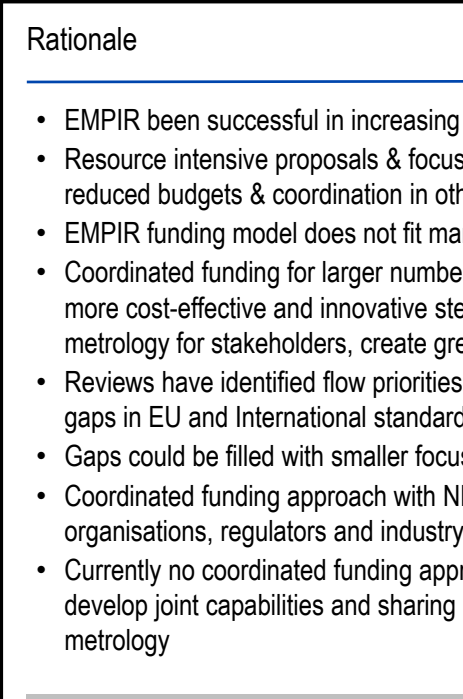

 flow measurement
 services


Flow Metrology Network

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Rationale




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- EMPIR been successful in increasing coordination in specific flow areas
- Resource intensive proposals & focus on smaller number of larger projects has reduced budgets & coordination in other areas of flow metrology - **Barrier**
- EMPIR funding model does not fit many flow metrology challenges
- Coordinated funding for larger number of smaller targeted projects can provide more cost-effective and innovative step-wise approach to advancing flow metrology for stakeholders, create greater impact and accelerated uptake
- Reviews have identified flow priorities, challenges, gaps in knowledge/data and gaps in EU and International standards
- Gaps could be filled with smaller focused R&D projects
- Coordinated funding approach with NMIs/DIs, universities, standards organisations, regulators and industry
- Currently no coordinated funding approach for smaller innovative projects to develop joint capabilities and sharing existing infrastructure to advance flow metrology


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Activities



- Flow EMN would provide platform to increase coordination in R&D to address stakeholder needs & strengthen links with academia and industry.
- Proposed activities:
 - coordination of joint funding bids and pooling of funding from industry, academia, European and National resources
 - development of Joint Research Projects (JRP) and Joint Industry Projects (JIP), where industry fully funds the projects
 - sharing of data for accelerating knowledge transfer and to produce Best Practice Guides and standards to increase impact and uptake

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Outputs



- Database of flow metrology projects in Europe
- Increased levels of funded Joint Research Projects (JRP) and Joint Industry Projects (JIP)
- Future mechanism for coordinating European research projects including selecting, prioritising and increasing participation from industry and academia
- Best Practice Guides, new and updated European and international standards

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Impact



- Industry / academic / regulators / stakeholders have direct route to actively engage with NMIs/DIs and direct future research and standards generation
- Increased innovation in flow metrology, advances in instrumentation and measurement capability, increased uptake of technology
- Improved coordination of research and shared measurement capability across Europe
- Network will promote Best Practice in flow metrology to support industry, ensure environmental compliance, support government and regulators, improved management of natural resources, ensure fair and equitable measurements for trade, increased productivity and efficiency