

Capacity Building (Call 2015) - Projects

An overview of the funded projects from the Targeted Programme Research Potential

Accelerating innovation in microwave technology (15RPT01)

Improved microwave measurement capabilities will boost quality and confidence in advanced technologies

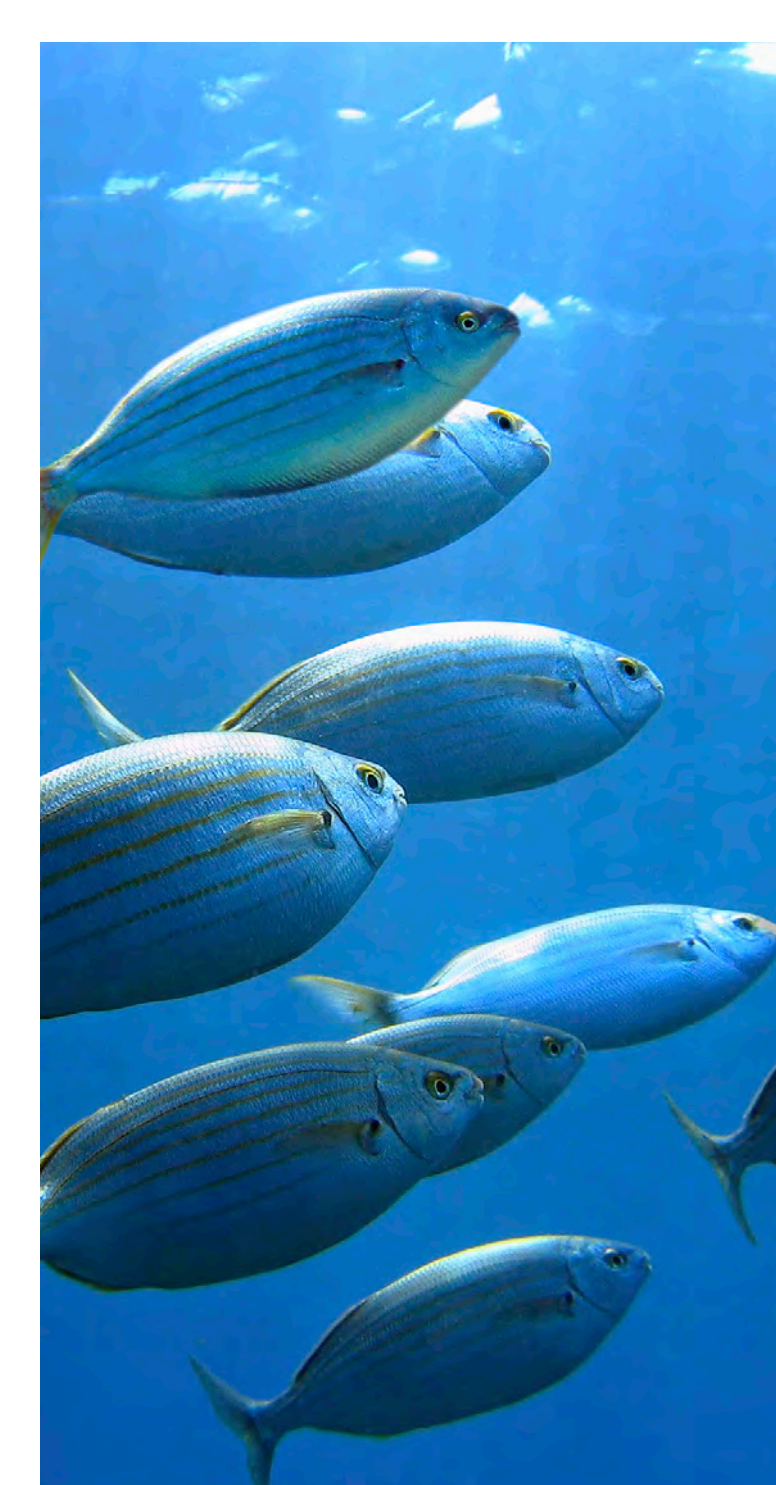
As radiofrequency and microwave technology continues to progress, providing innovative applications across sectors such as healthcare, energy and security, industry requires novel measurement methods and devices to underpin production. This project aims to improve microwave measurement capabilities and expertise, providing essential tools for European industry to ensure product quality, create end user confidence and accelerate innovation.



Protecting marine life from underwater noise (15RPT02)

New calibration methods for underwater noise monitors will support compliance with environmental legislation

The expansion of offshore activities such as oil and gas exploration, together with the rapid increase in commercial shipping traffic, has raised concerns about the environmental impact of man-made noise on marine life. This project will provide traceable calibration methods for devices used to monitor underwater noise, supporting a coordinated approach to underwater acoustics and noise management across Europe.



Boosting competitiveness with precision humidity control (15RPT03)

Development of a humidity measurement infrastructure will provide the tools needed to improve efficiency and quality in industry

Humidity is one of the most important properties affecting everyday processes from indoor ventilation to the storage of food products and pharmaceuticals. Consequently, the ability to accurately measure humidity is vital to increasing competitiveness across a variety of industries. This project will provide an infrastructure for traceable humidity measurements and help ensure European industry has access to the facilities it needs.



Ensuring power quality for greener grids (15RPT04)

A new Europe-wide system for power quality measurements will pave the way for increased adoption of renewable energy

The incorporation of large numbers of decentralised renewable sources into electricity grids can cause a deterioration in the grid's power quality, and demands are increasing for traceable, accurate measurements of power and power quality. This project aims to develop a new, open system for sampled power and power quality measurements, paving the way for increased adoption of renewable energy across Europe.



EMPIR - joint research projects for Europe