

EMRP

European Metrology Research Programme
► Programme of EURAMET

Joint Research Projects (JRP)

Each JRP is listed below, and a short summary is available as a pdf. Some JRPs have established websites, in which case a link is provided.

All summaries as pdf file

Theme 1: SI and Fundamental Metrology			
T1.J1.1	e-Mass	The watt balance route towards a new definition of the kilogram	Summary (pdf)
T1.J1.2	NAH	Avogadro and molar Planck constants for the redefinition of the kilogram	Summary (pdf) Project Website
T1.J1.3	REUNIAM	Redefinition of the SI base unit ampere	Summary (pdf)
T1.J1.4	Boltzmann constant	Determination of the Boltzmann constant for the redefinition of the kelvin	Summary (pdf) Project website
T1.J2.1	OCS	Optical clocks for a new definition of the second	Summary (pdf)
T1.J2.3	qu-Candela	Candela: towards quantum-based photon standards	Summary (pdf) Project website
Theme 2: Health			
T2.J02	Breath analysis	Breath analysis as a diagnostic tool for early disease detection	Summary (pdf)
T2.J04	Regenmed	Metrology on a cellular scale for regenerative medicine	Summary (pdf) Project website
T2.J06	Brachytherapy	Increasing cancer treatment efficacy using 3D brachytherapy	Summary (pdf) Project website
T2.J07	EBCT	External Beam Cancer Therapy	Summary (pdf)
T2.J10	TRACEBIOACTIVITY	Traceable measurements for biospecies and ion activity in clinical chemistry	Summary (pdf)
T2.J.11	CLINBIOTRACE	Traceability of Complex Biomolecules and Biomarkers in Diagnostics - Effecting Measurement Comparability in Clinical Medicine	Summary (pdf)

Theme 3: Length			
T3.J1.1	Nanoparticles	Traceable Characterization of Nanoparticles	Summary (pdf)
T3.J1.4	NANOTRACE	New Traceability Routes for Nanometrology	Summary (pdf)
T3.J2.2	NIMTech	Metrology for New Industrial Measurement Technologies	Summary (pdf) Project website
T3.J3.1	Long distance	Absolute long distance measurement in air	Summary (pdf) Project website
Theme 4: Electricity and Magnetism			
T4.J01	Power & Energy	Next generation of power and energy measuring techniques	Summary (pdf) Project website
T4.J02	NanoSpin	Nanomagnetism and Spintronics	Summary (pdf) Project website
T4.J03	JOSY	Next generation of quantum voltage systems for wide range applications	Summary (pdf)
T4.J04	ULQHE	Enabling ultimate metrological Quantum Hall Effect (QHE) devices	Summary (pdf)
T4.J07	EMF and SAR	Traceable measurement of field strength and SAR for the Physical Agents Directive	Summary (pdf)