**iMERA-PLUS FINAL PUBLISHABLE REPORT**

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Figure : Schematic of call and JRP selection process

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| JRP Number | JRP Long Name | JRP Short Name | Coordinating Organisation |
| T1.J1.1 | The watt balance route towards a new definition of the kilogram | e-MASS | LNE (France) |
| T1.J1.2 | Avogadro and molar Planck constants for the redefinition of the kilogram | NAH | INRIM (Italy) |
| T1.J1.3 | Foundations for a redefinition of the SI base unit ampere | REUNIAM | PTB (Germany) |
| T1.J1.4 | Determination of the Boltzmann constant for the redefinition of the kelvin | Boltzmann constant | PTB (Germany) |
| T1.J2.1 | Optical clocks for a new definition of the second | OCS | CNRS (France) |
| T1.J2.3 | Candela: Towards quantum-based photon standards | qu-Candela | INRIM (Italy) |
| T2.J02 | Breath analysis as a diagnostic tool for early disease detection | Breath analysis | VSL (the Netherlands) |
| T2.J04 | Metrology on a cellular scale for regenerative medicine | Regenmed | NPL (UK) |
| T2.J06 | Increasing cancer treatment efficacy using 3D brachytherapy | Brachytherapy | ENEA (Italy) |
| T2.J07 | External Beam Cancer Therapy | EBCT | PTB (Germany) |
| T2.J10 | Traceable measurements for biospecies and ion activity in clinical chemistry | TRACEBIOACTIVITY | PTB (Germany) |
| T2.J11 | Traceability of complex biomolecules and biomarkers in diagnostics effecting measurement comparability in clinical medicine | CLINBIOTRACE | LGC (UK) |
| T3.J1.1 | Traceable characterization of nanoparticles | Nanoparticles | NPL (UK) |
| T3.J1.4 | New Traceability Routes for Nanometrology | NANOTRACE | INRIM (Italy) |
| T3.J2.2 | Metrology for New Industrial Measurement Technologies | NIMTech | PTB (Germany) |
| T3.J3.1 | Absolute long distance measurement in air | Long distance | CNAM (France) |
| T4.J01 | Next generation of power and energy measuring techniques | Power & Energy | NPL (UK) |
| T4.J02 | Nanomagnetism and Spintronics | NanoSpin | INRIM (Italy) |
| T4.J03 | Next generation of quantum voltage systems for wide range applications | JOSY | PTB (Germany) |
| T4.J04 | Enabling ultimate metrological Quantum Hall Effect (QHE) devices | ULQHE | LNE (France) |
| T4.J07 | Traceable measurement of field strength and SAR for the Physical Agents Directive | EMF and SAR | PTB (Germany) |

Table 1: The 21 funded Joint Research Projects

**Figure 2: TP SI and Fundamental JRPs**

**Figure 3: TP Metrology for Health JRPs**

**Figure 4: TP Length JRPs**

**Figure 5: TP Electricity and Magnetism JRPs**