



EMRP

European Metrology Research Programme
Programme of EURAMET



The EMRP is jointly funded by the EMRP participating countries within EURAMET and the European Union



METRODECOM
*Metrology for
Decommissioning
Nuclear Facilities*

EMRP JRP ENV54

METROLOGY FOR DECOMMISSIONING NUCLEAR FACILITIES

CMI, CEA, ENEA, IFIN-HH, JRC, LNE, VTT, NPL, PTB, SCK-CEN, STUK,
ANDRA, EDF, NUVIA, REG(NUVIA)

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(JRP ENV54 Coordinator)



<http://www.decommissioning-emrp.eu/>

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ENEA



JRC
EUROPEAN COMMISSION



NPL
National Physical Laboratory

PTB



The world is facing a major challenge: the enormous costs of decommissioning nuclear facilities. Nuclear decommissioning covers all activities from shutdown to the environmental restoration of the site. There are 157 shutdown power reactors (January 2016) in the world and more than 200 power reactors will be in some phase of decommissioning process by the year 2025. Therefore, it is essential to achieve a significant reduction in the enormous decommissioning costs based on the development and implementation of new measurement techniques.



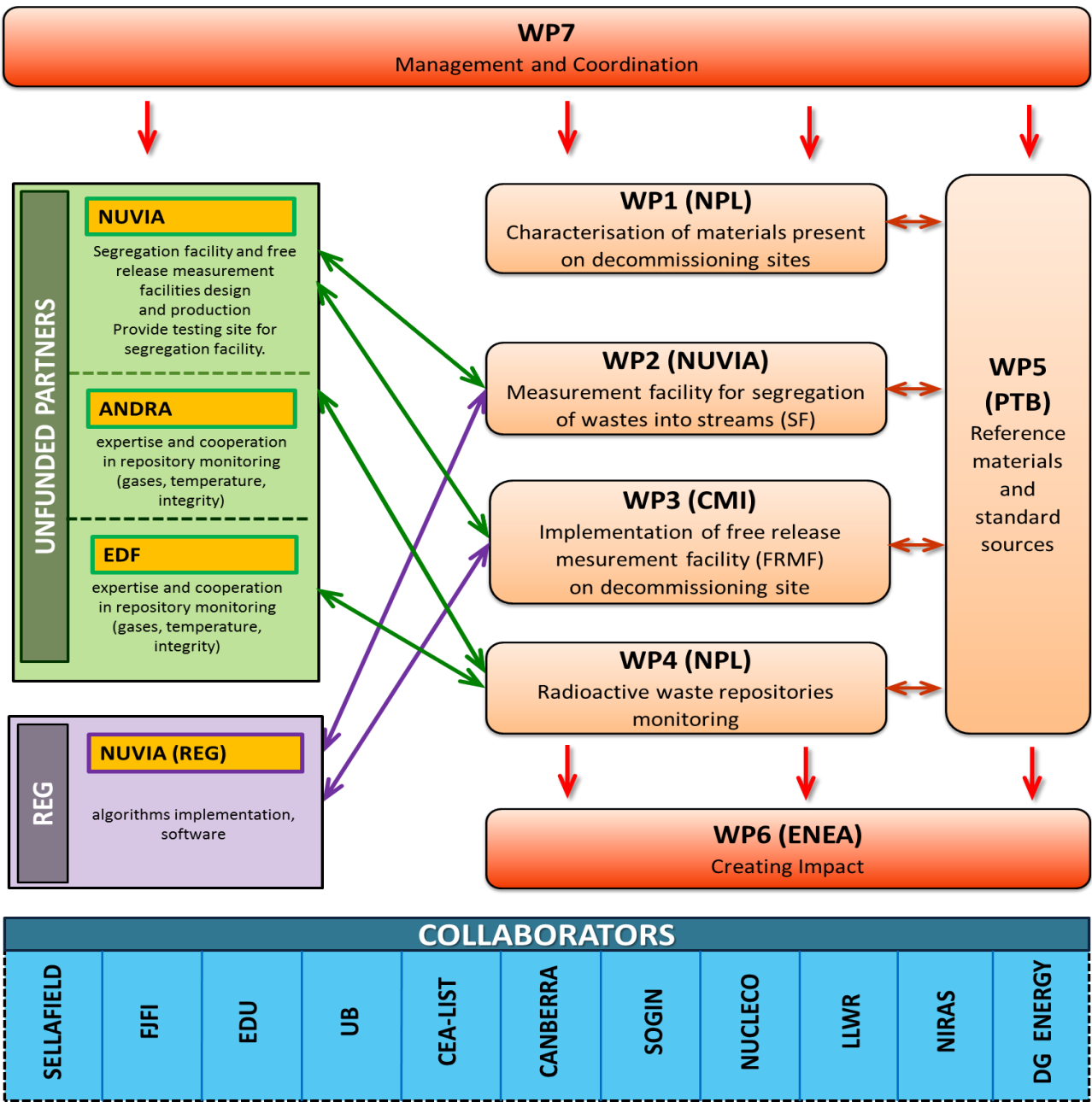


The European Metrology Research Program (EMRP) is a metrology-focused European program of coordinated R&D that facilitates closer integration of national research programs. The EMRP is jointly supported by the European Commission through Article 169 of the European Treaty and the participating countries within the European Association of National Metrology Institutes (EURAMET e.V.).



The Metrology for Decommissioning Nuclear Facilities (MetroDecom) Joint Research Project (JRP ENV54) with start date September 2014 and duration 36 months delivers research addressing all aspects of the decommissioning process, the characterization of waste materials present on the decommissioning site, pre-selection prior to free release or repository acceptance measurement, free-release measurement, the measurement of waste packages thermal power prior to the repository storage, and the monitoring of stored wastes in the very long term.

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13 PARTNERS, 8 STATES + EC JRC





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Let me thank to all JRP ENV54 partners for cooperation!

Underpinned by innovative metrology, nuclear facilities decommissioning will be more safe and cost-effective



**The remains of Savannah River Site
K-Reactor cooling tower**

