



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/>

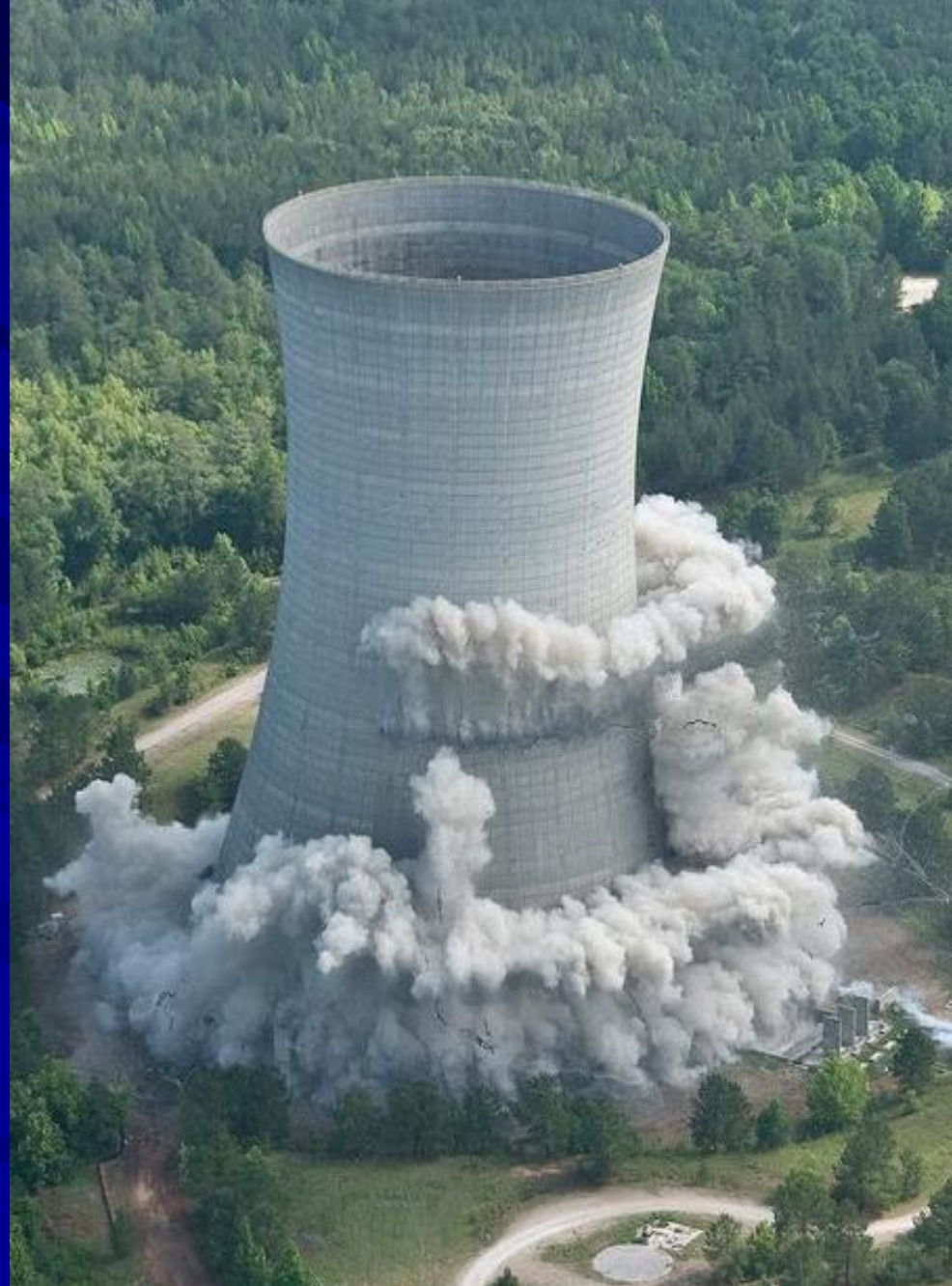
JRP ENV54 MetroDecom Workshop, 6th June 2017, Warrington, UK



The nuclear industry is facing an immediate and major challenge with the decommissioning of nuclear facilities which will incur enormous costs regarding the accurate characterisation and correct disposal of the decommissioned materials.

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, there is a need for the implementation of new and traceable measurement technologies to select the appropriate characterisation and release or disposal route of radioactive waste. This enhances the public trust and could reduce the costs of the decommissioning process.



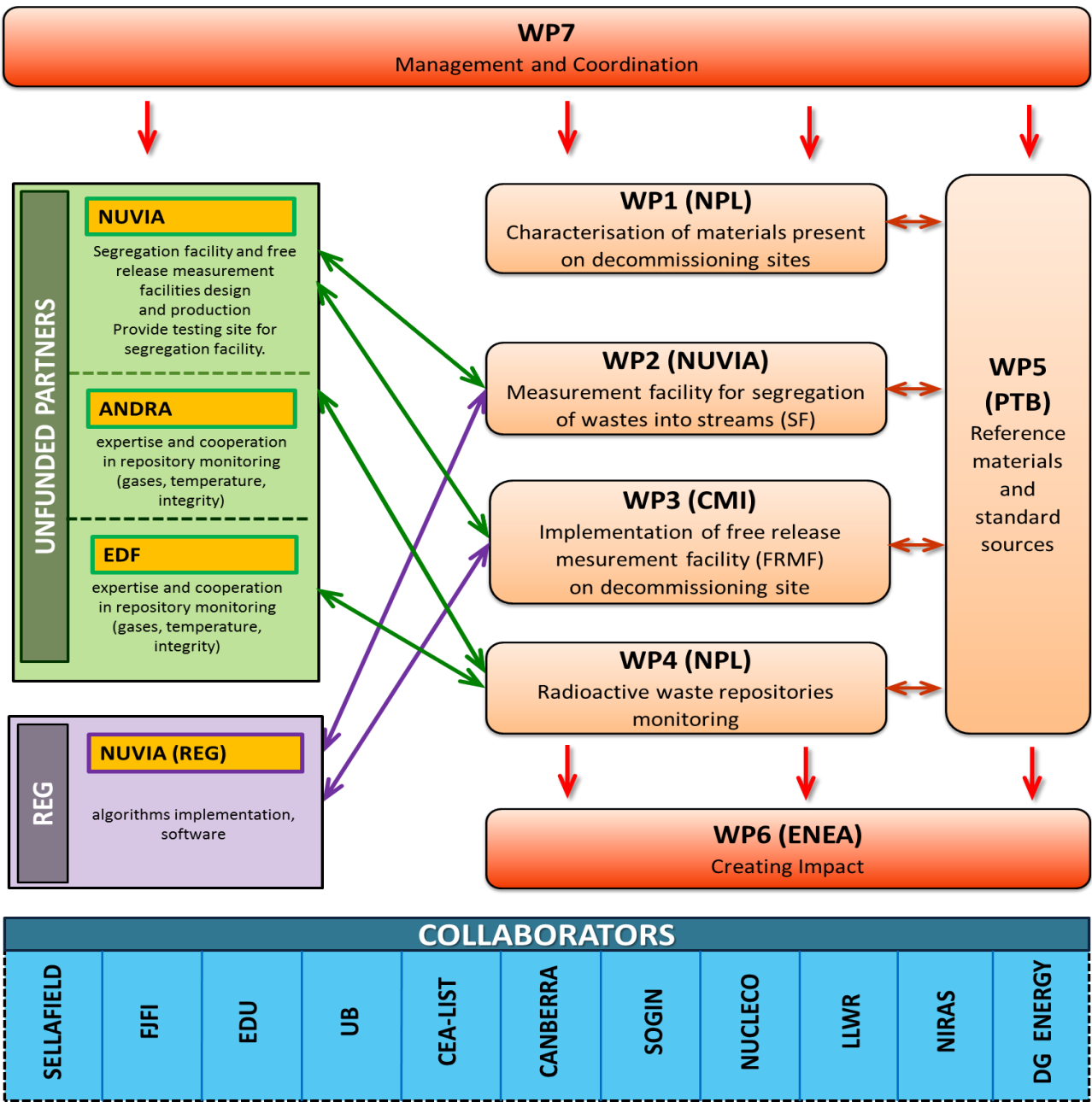


The European Metrology Research Program (EMRP) is a metrology-focused European program of coordinated R&D that facilitates closer integration of national research programs. The EMRP is jointly supported by the European Commission through Article 169 of the European Treaty and the participating countries 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, clearance measurement, the measurement of waste packages thermal power prior to the repository storage, and the monitoring of stored waste in the very long term.

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13 PARTNERS, 8 STATES + EC JRC





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

Let me thank to all JRP ENV54 partners for cooperation!



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

