

# Metrology for harmonisation of measurement of environmental pollutants in Europe:

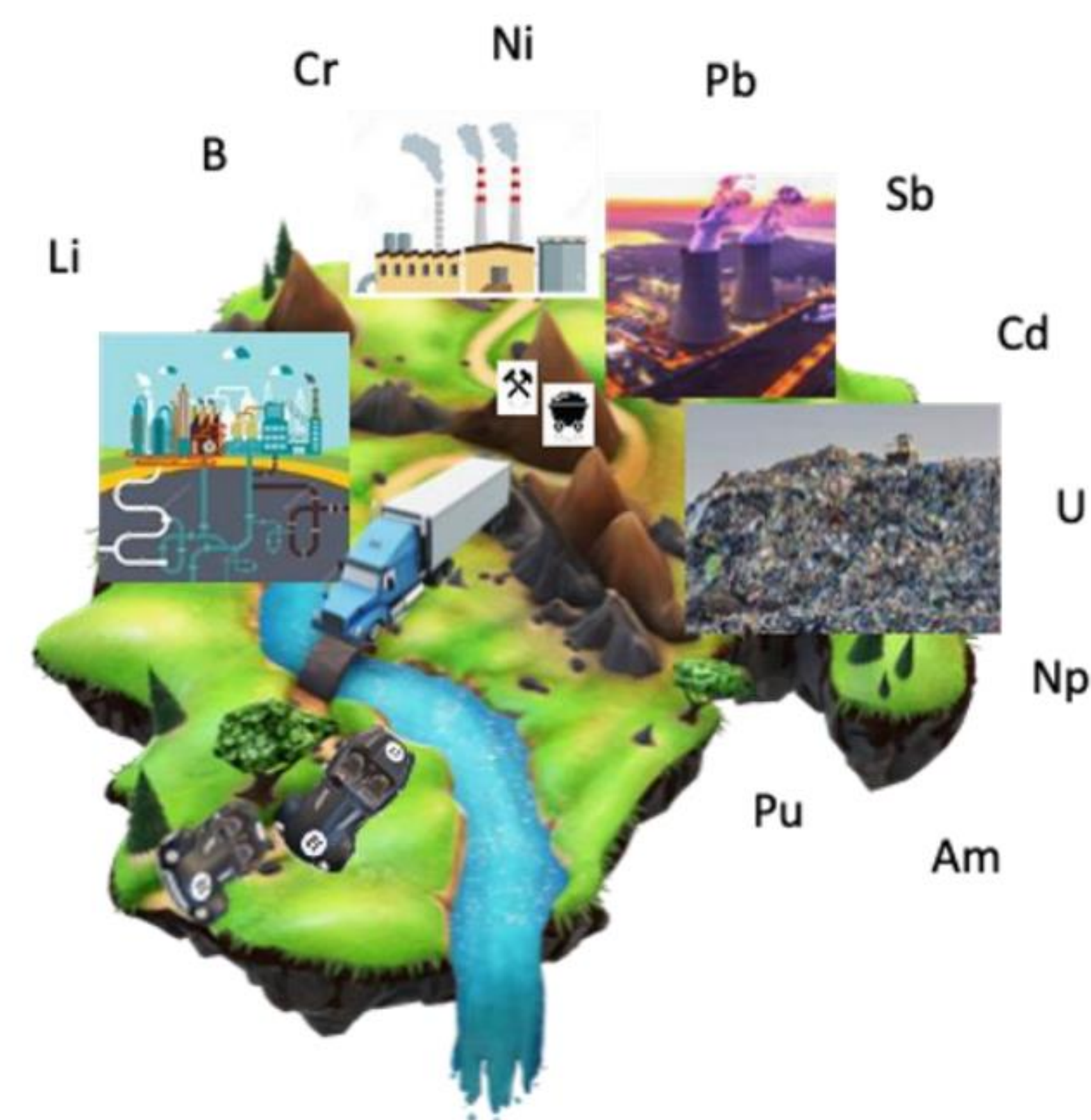
## Introduction to a European Metrology Project

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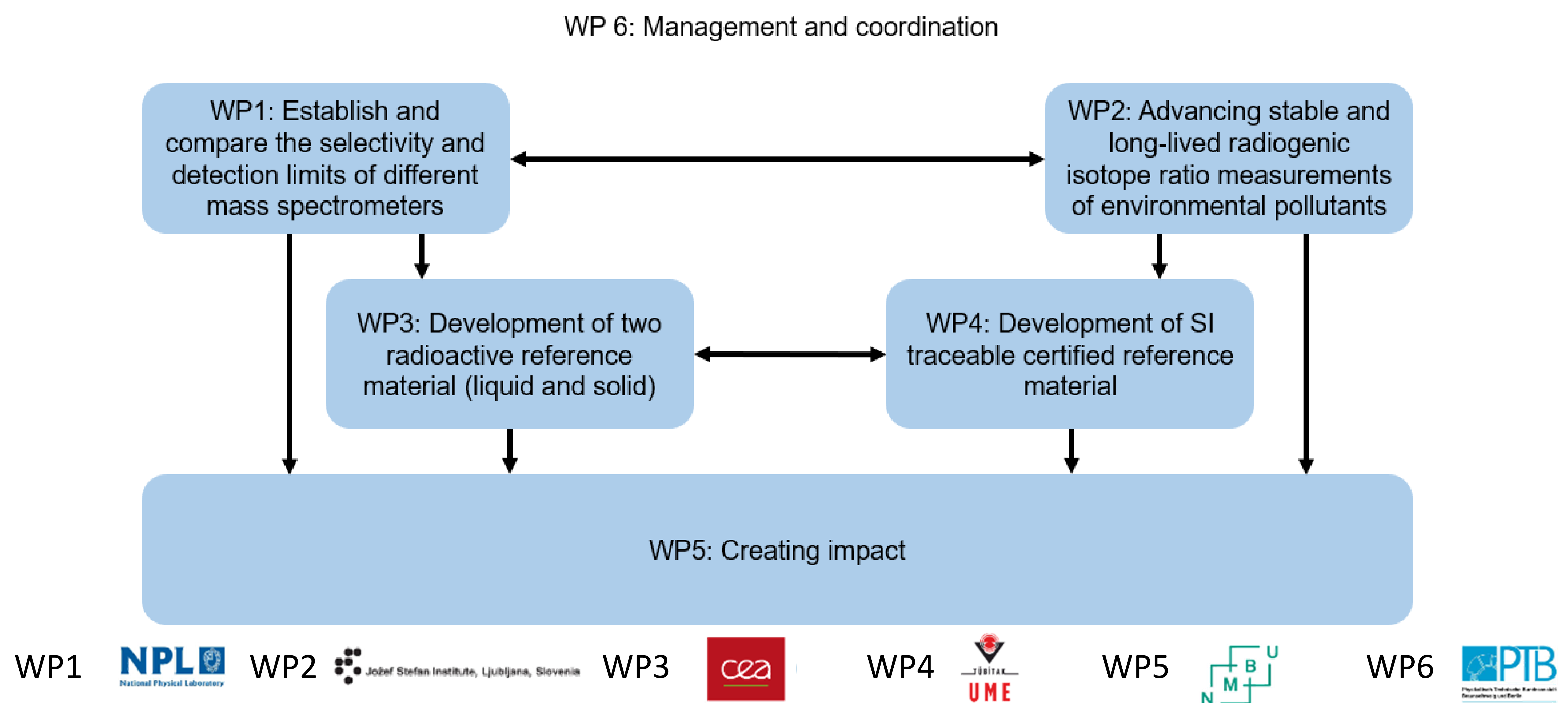


### Overview

- The European Green Deal for zero pollution requires the development of techniques to detect ultra-low amounts of pollutants and to determine isotope ratios.
- Mass spectrometry is a key method for detection of stable pollutants and is increasingly used for radionuclides.
- This project will bridge the gap between both methods and establish new tools for tracing pollutants, resulting in new reference materials and SI-traceable procedures.

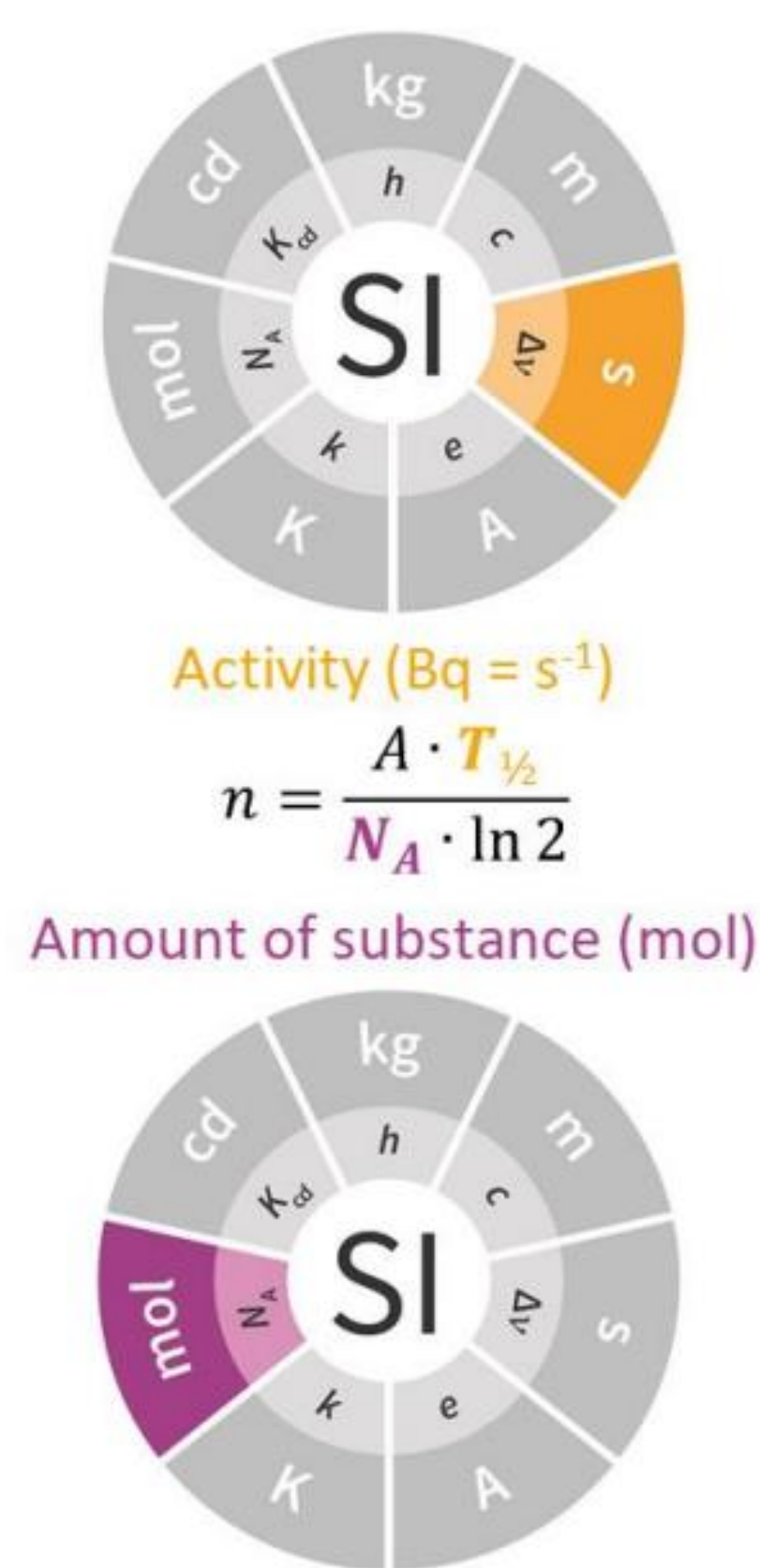


### Objectives and Work Packages



### Outcomes and Impact

- Establish link between radiometric techniques and mass spectrometry
- Close the traceability gap for isotope ratio measurement
- Guide on the use of mass spectrometry for radionuclide detection
- Report of different instrument's advantages and limitations
- Si traceable reference materials
- Establish Si traceable calibration chain for single collector ICP MS
- Harmonized methods for polluting elements using mass spectrometry



### Consortium



### Stakeholders

- Laboratories measuring environmental pollutants
- International and national regulators
- Instrument manufactures
- Users of isotope reference materials

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