

# 10-year plan (TYP) for CCRI(II) K2 Comparisons

**Goal:** Support CMC claims

**Strategy:**

- Rotate among sectors
- Choose radionuclides based on stakeholder (including NMI) needs
- Support smaller labs (including as co-pilots)
- Coordinate with BIPM services (SIR, SIR-TI, ESIR)
- Strategically support MMM

Application	Nuclide (Example)	Year	Pilot Lab
Calibration/Tracers	$^{109}\text{Cd}$	2021	BIPM
Multiple (ion chamber reference sources)	$^{166\text{m}}\text{Ho}$	2022	IRA METAS
Medical	$^{225}\text{Ac}$ ( $^{123\text{m}}\text{Te}$ , $^{192}\text{Ir}$ , $^{224}\text{Ra}$ , $^*\text{Tb}$ )	2023	NPL
Gas	$^{85}\text{Kr}$ ( $^{41}\text{Ar}$ , $^{133}\text{Xe}$ )	2024	LNHB
Calibration/Tracers	$^{51}\text{Cr}$ ( $^{152}\text{Eu}$ , $^3\text{H}$ )	2025	TBD
Industrial	$^{241}\text{Am}$ ( $^{65}\text{Zn}$ )	2026	TBD
Environmental	( $^{40}\text{K}$ , $^{210}\text{Po}$ , $^{235}\text{U}$ )	2027	TBD
Medical	( $^{123\text{m}}\text{Te}$ , $^{192}\text{Ir}$ , $^{224}\text{Ra}$ , $^*\text{Tb}$ )	2028	TBD
Gas	( $^{41}\text{Ar}$ , $^{133}\text{Xe}$ )	2029	TBD
Calibration/Tracers	$^{51}\text{Cr}$ ( $^{152}\text{Eu}$ , $^3\text{H}$ )	2030	TBD