

A Strategy for CCRI

Advice and Transparency (CCRI(II)/13-32)

CCRI 2013 strategic plan
Submitted to the BIPM
2013-02-05

- Short, medium, long-term actions
- Close collaboration with stakeholders
- Close dialogue with end users
- Activities through Sections, WGs and Members

CCRI strategic plan for the period 2013-2023

With special emphasis on strategic initiatives for the period 2016-2019

Dr Kim Carneiro, President CCRI, Comité consultatif des rayonnements ionisants.

Dr Peter Sharpe, Chairman CCRI(I), x- and gamma rays, charged particles

Dr Lisa Karam, Chairman CCRI(II), Measurement of radionuclides

Dr David Thomas, Chairman CCRI(III), Neutron measurements

Mr. José María Los Arcos, CCRI Executive Secretary

CONTENT

1	Executive Summary	2
2	Introduction and background.....	3
3	Vision and overall strategy up to 2019.....	7
4	Initiatives to support the strategy	8
5	Action plan for 2013-2015 (short term)	9
6	Action plan for 2016-2019 (medium term)	11
7	Action plan for 2020-2023 (long term).....	13
8	CCRI Working groups	14
9	BIPM work load in comparisons and calibrations	21
10	Stakeholders	22

**CCRI Vision: become the undisputed hub for
ionizing radiation global metrology**

Actions from CCRI Strategy

Applicable to Section II

ID	Title	Section II	Next Cycle Short Term: 2013-2015 Medium Term: 2016-2019 Long Term: 2020-2023
Short term			
a	Finish KC and SC reports quicker, focused on CMC-support	C	Complete 2012
b	Harmonise stringency in uncertainties	P	Short (Expect completion)
d	Activity (SIRTI) comparisons – establish ^{99m} Tc	C	Complete 2012
f	Brachytherapy comparisons - establish	P	Medium
i	Increase meaningful dialogue between NMI and DI	P	Short (On-going)
l	Dosimetry for diagnostic imaging - identify metrology needs	P	Short (On-going)
m	Recommended values for physical constants - publish	P	Short (On-going)
Medium term			
g	Activity (SIRTI) comparisons – ongoing ^{99m} Tc	P	Short (On-going)
h	Brachytherapy comparisons - ongoing and new		Long
m	Instrument for maintaining the Bq	P	Short (Expect completion)
n	Consistent radionuclide decay schemes	P	Medium (On-going)
o	New needs in public security	P	Medium (On-going)
p	New needs in health	P	Medium (On-going)
q	New needs in industry	P	Medium (On-going)
s	Extend SIR to pure α and pure β emitters	P	Short (Expect completion)
t	SIRTI for more short-lived radionuclides – ¹⁸ F	P	Medium (On-going)
u	Molecular imaging measurement needs	P	Medium
Long term			
a	Satisfying new needs in radiation therapy	P	Long
b	Standardization methods for new radionuclides	P	Long
c	Introduction of new biologically related quantities	P	Long
e	Evaluate non-reactor based methods of radionuclide production	P	Medium