

## Recent SADC MET events in Ionizing Radiation

SADC MET Southern Africa development community cooperation in measurement traceability. Comprises 14 full members, 4 associate members.

### Ionizing Radiation

- There is a single institute (CSIR–NML)
- Dr Jaco Mostert (CSIR-NML, Pretoria) is the RMO chairperson for IR. Represents SADC MET at the CCRI working group for CMCs.
- The CSIR-NML is an associate member of APMP
- Dr Jaco Mostert is the contact person for the APMP/TCRI **Dosimetry** WG
- Freda Van Wyngaardt (CSIR-NML, Cape Town) is the contact person for the APMP/TCRI **Radioactivity** WG. Represented IR at the TCRI session of the APMP congress held in Singapore in December 2003.

- CMC submissions:

**Dosimetry** – The CSIR–NML has **1** CMC submission in Appendix C.

**Radioactivity** – The CSIR–NML has **36** CMC submissions in Appendix C.

- Key comparisons:

**Dosimetry** – The CSIR–NML participated in the following regional comparisons organised by the APMP:

Measurement of absorbed dose to water for  $^{60}\text{Co}$ , 2000 – 2001

Measurement of air kerma for medium energy X-rays, 2000 – 2002

Will participate in the comparison of the measurement of air kerma for  $^{60}\text{Co}$  in 2005.

**Radioactivity** – Since 2003, the CSIR–NML has participated in the following international and regional comparisons of activity measurement:

Type K2  $^{54}\text{Mn}$ ,  $^{241}\text{Am}$ ,  $^{90}\text{Y}$ ,  $^{125}\text{I}$ ,  $^{139}\text{Ce}$  (APMP)

$^{32}\text{P}$  in progress

Supplementary: APMP regional project to determine ionization chamber calibration factors for  $^{51}\text{Cr}$ ,  $^{57}\text{Co}$ ,  $^{134}\text{Cs}$  and  $^{137}\text{Cs}$