

# Capacity Building in SIM for Ionizing Radiation Metrology

- Importance of Designated Institutes (DIs) in IR metrology
  - Not much experience with global metrology
  - Use of SIM as a “safe” learning environment through comparisons, working group interactions
- Importance of National Measurement Institutes (NMIs) in IR metrology
  - To help DIs build confidence
  - To provide guidance in workshops, peer reviews, and as hosts for experiential learning (guest researchers)

Examples from SIM	Institute	Field of Ionizing Radiation Measurements
Argentina	CNEA*	Dosimetry, Radioactivity
Brazil	LNMRI/IRD*	Dosimetry, Radioactivity, Neutrons
Canada	NRC-INMS	Dosimetry, Radioactivity, Neutrons
Chile	CCHEN**	Awaiting designation (all services)
Mexico	ININ*	Dosimetry, Radioactivity, Neutrons
St. Kitts and Nevis	SKNBS*	Facilities to be developed (Dosimetry)
Uruguay	MIEM-LSMRI*	Dosimetry
USA	NIST	Dosimetry, Radioactivity, Neutrons

\*Designated or \*\*Planned to be Designated

Note Red text denotes measurements but no published CMCs, faint Red denotes pending designation or facilities