

# **The Canadian Network**

**National Biological Dosimetry Response  
Plan (NBDRP)**



Health Santé  
Canada Canada

# Increased capacity from four the reference laboratories...



**Health Canada –Consumer and Clinical Radiation  
Protection Bureau - Ottawa (Lead)**

Health Santé  
Canada Canada



**Defence Research and  
Development Canada-  
Ottawa**



**McMaster Institute of Applied  
Radiation Sciences  
– Hamilton**



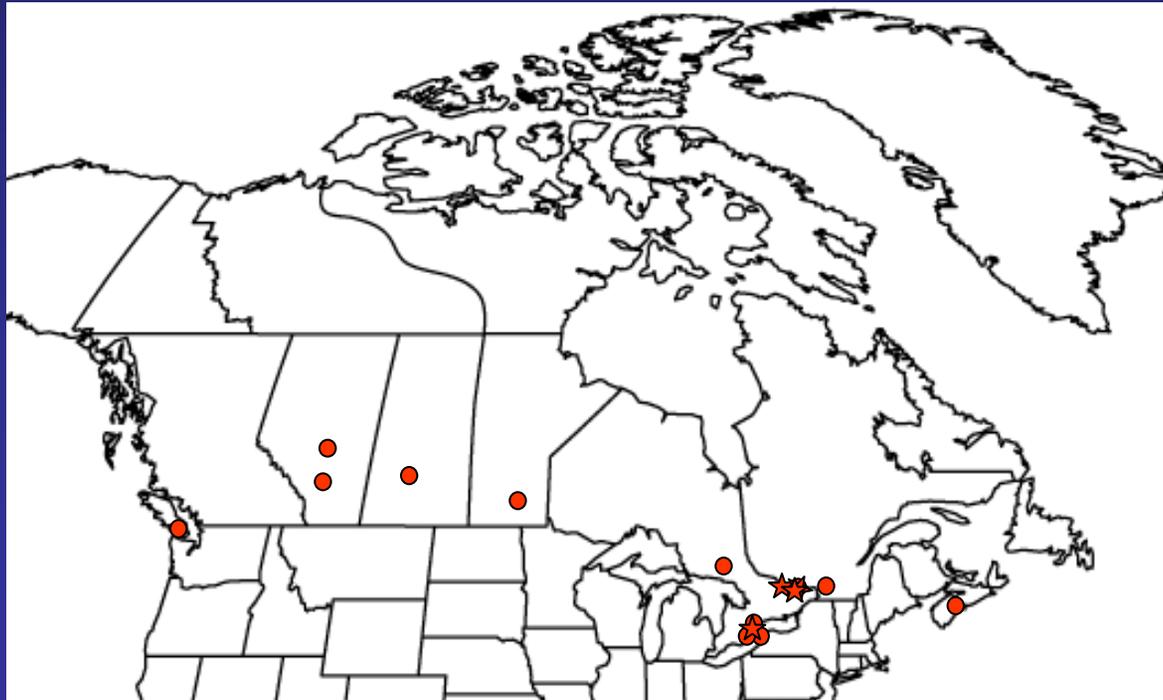
**Atomic Energy of Canada  
Limited – Chalk River**





## ...to 22 laboratories across the country

- Recruited cytogenetics laboratories from across the country to act as satellite scoring labs
- Train to score dicentric assay when reference labs are overwhelmed





## Future Directions

- Received renewal of funding from Chemical, Biological, Radiological and Nuclear Research and Technology Initiative (CRTI)
  - 5 years of funding (\$2M)
  - Includes US partners (AFRRI, Oakridge)
- Yearly exercises
- Strengthen links to clinical laboratories
- Develop Centre for Emergency Biological Dosimetry at the Michener Institute in Toronto
  - Use for sample processing in emergency
  - Training centre for cytogeneticists with large huge resource of microscopes, lab space in personnel
- Continued research into novel high throughput methods for biological dosimetry