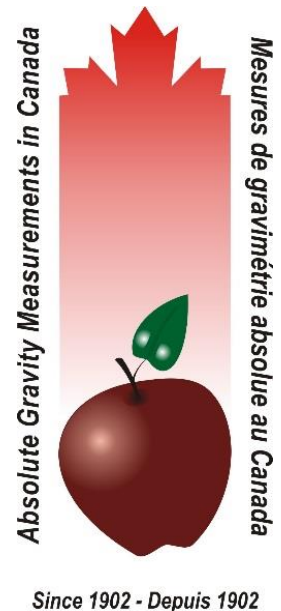


Absolute Gravimetry in NRCan

- Scientific applications/priorities:
 - Subduction/earthquake zone deformation studies
 - Sea-level rise studies
 - Environmental/hydrological/ground-water mass monitoring
 - Ice-mass variability/post-glacial rebound studies
 - Monitoring studies of carbon capture & storage

- Canadian Spatial Reference System objectives, including:
 - Datum support for gravity surveys
 - Support time evolution of vertical component of geometric RF
 - Maintenance of a new gravity-based/geoid height reference system (*e.g.* direct measurement of $g\text{-dot}/h\text{-dot}$ ratio to provide simplified connection for corresponding reference standards)



National Absolute Gravity Array

