

# National Report Finland

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- 2 geoid models in use
  - FIN2000                      EUREF-FIN <-> N60
  - FIN2005N00                EUREF-FIN <-> N2000
- Free coordinate transformation service opened on internet (in Finnish):  
<http://coordtrans.fgi.fi/>
  - Online coordinate transformations
  - Download of transformation surfaces after registration, including geoid models

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- 2009-2010 Re-measurement of first order gravity network with Polish A10
  - 19 points measured in 2009
  - 29 points to be measured in 2010

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- Modernization of gravity database
  - End of 80-char format
  - Old information retained
  - ETRF-coordinates added, in future also N2000 heights
  - Sea depths added
  - Point or coordinate duplicates marked
  - Heights checked with 25 m x 25 m DTM
  - Non-FGI data included
  - Recalculation of anomalies
  - Software for data handling under development

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- Projects funded by the Finnish Academy  
2007 – 2010 (2011) Precise multi-sensor geoid modelling
- Coming to an end:  
2007 – 2009 HYDROGRAV – Improving the estimation of water storage with a combination of high-accuracy satellite and ground gravity data and hydrological modelling  
2007 - 2009 Satellite orbit inversion and temporal gravity variations in Finland