

National Report of Northern Ireland

Geoff Bell, Peter Downie (LPS)

Presentation to EUREF 2013 symposium, 31 May 2013
Budapest, Hungary



Geodetic work in the last year

- Further observations made to improve and densify the dataset used by UCL to compute the new Geoid model
- Improvement of the Geodetic infrastructure by the installation of a new permanent GNSS station at Queen's University, Belfast (QUB1). EPN station ENIS is under threat from airport expansion. A new site (THMS) nearby has been identified and equipment installed
- Domes requests for new stations QUB1 and THMS have been submitted
- GNSS network operating hardware has been replaced
- Continued data contribution to:
 - EPN Permanent GNSS Network (Stations BELF, ENIS, FOYL)
 - EPN Real-Time Analysis (Station BELF)
 - Met Office UK (EUMETNET E-GVAP)
 - British Isles GPS Archive facility BIGF (hosted by IESSG at the University of Nottingham)
 - Any NI Government department as part of NIMA

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Geodetic work in the last year

- Continuing repairs made to the masonry of the Lough Foyle Baseline towers. The baseline was measured in 1827-1828 to provide scale for the Principal Triangulation of Great Britain and Ireland



Planned 2013/14 Developments

- Implementation of the new Geoid model to replace OSGM02 as the approved method of determining Orthometric heights in Northern Ireland wrt Belfast Datum
- Implementation of the EUREF IE/UK 2009 campaign realisation of ETRS89 as the official positioning framework in Northern Ireland
- Installation of 2 further GNSS stations to densify the network
- Replacement of the GNSS network operating software

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Thank you for your attention

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