

# National Report of Northern Ireland

**Geoff Bell (LPS)**

**Presentation to EUREF 2012 symposium, 8 June 2012  
Saint Mandé, France**



## National Report of Northern Ireland

### Geodetic work in the last year

- Further observations made to improve and densify the dataset used to compute a new Geoid model
- EPN station ENIS is under threat from airport expansion. A new site nearby has been identified and monumentation installed
- 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

- Repairs made to the railings 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



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# Planned 2012/13 Developments

- Computation and implementation of a 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
- Improvement of the Geodetic infrastructure by the installation of a new permanent GNSS station at Queen's University Belfast
- Repair damaged masonry at the towers of the Lough Foyle Baseline

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### Report on behalf of the Republic of Ireland



Ordnance Survey Ireland (OSi) is the National Mapping Agency of Ireland who together with LPS jointly maintain the geodetic infrastructure for the whole island

2 stations proposed for contribution to the EPN are waiting for acceptance

8 new permanent GNSS stations are planned to densify the RTKnetwork

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Thankyou for your attention

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