

# National Report of Northern Ireland

Peter Downie, Geoff Bell

Presentation to EUREF 2016 symposium, 26<sup>th</sup> May 2016  
Donostia-San Sebastián, Spain



## Geodetic work in the last year

- Continued development and testing for release of the new height model for Great Britain & Ireland, OSGM15.  
Preliminary figures:

<u>Post Fit Residual</u>	<b>1.4cm</b>
<u>RMSE</u>	<b>2.8cm</b>
- 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

## Geodetic work in the last year

- Destruction of the BELF EPN station due to construction work.
- Identified a possible replacement site for BELF.
- Installation of a new GNSS reference station at Bangor (BNGR) on the East Coast of NI.

## Planned 2016/17 Developments

- Implementation of the EUREF IE/UK 2009 campaign realisation of ETRS89 as the official positioning framework in Northern Ireland along with OSGM15.
- Replacement of the EPN functions of the BELF station with a rock-anchored station.
- Installation of a new GNSS station to densify the RTK network.

## Planned 2016/17 Developments

- Re-painting of the railings on the Lough Foyle Base Towers.



- Investigation into the possibility of establishing absolute gravity stations in Ireland.

# National Report of Northern Ireland

**Thank you for your attention**

**Geoff Bell**

Presentation to EUREF 2016 symposium, 27<sup>th</sup> May 2016  
Donostia-San Sebastián, Spain

