

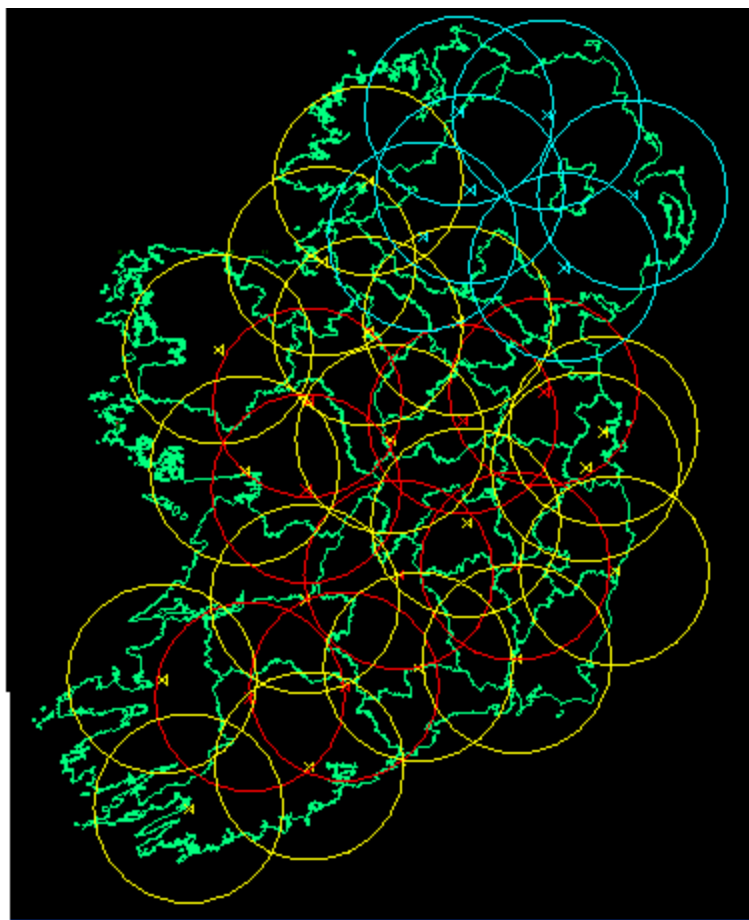
EUREF Symposium 2013

National Report Republic of Ireland

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Network Densification

- To improve network
- 8 new stations added
 - 25 Rep of Irl
 - 6 North Irl
 - Templemore, Mitchelstown, Navan, Glenamaddy, Carlow, Loughrea, Newmarket, Mullingar
- Performance testing in progress

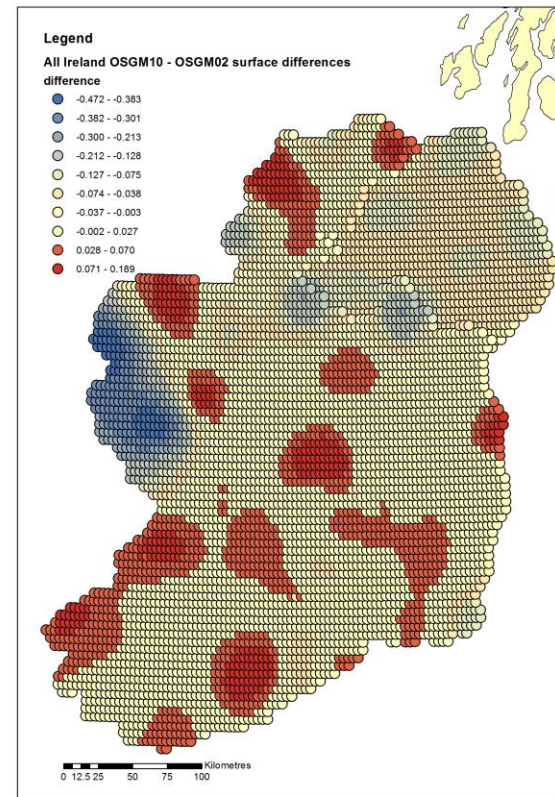


Network Densification

- New station coordinates established by post processing and adjusting data collected at new station with data collected at local Passive Irenet95 stations and nearest Active Stations.
 - 3 sessions of 3 hours of RINEX data observed at the nearest three Irenet Stations was processed and adjusted with data each new Active Station.
 - 3 sessions of 12 hours of RINEX data observed at nearest four Active Stations was then processed and adjusted at each new Active Station,
 - Coordinates were then established using both data sets in a fully constrained adjustment.
 - To verify coordinates the complete network was adjusted holding all previously known coordinates.

OSGM10

- New Geoid Model to replace OSGM02
- Improved GPS and Gravity data
- OSi and LPS in collaboration
- UCL Marek Ziebert
- 3 corrector surfaces
 - All Island (Malin & Belfast)
 - Rep of Ireland (Malin Head)
 - Northern Ireland (Belfast)



Thank You