

Irish LOFAR Project Update



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www.lofar.ie

All-Ireland I-LOFAR Consortium

- Trinity College Dublin
- University College Cork
- NUI Galway
- Dublin Institute for Advanced Studies
- Dublin City University
- Armagh Observatory
- Queen's University Belfast
- University College Cork
- NUI Maynooth
- University College Dublin
- Cork Institute of Technology
- Dublin Institute of Technology



I-LOFAR and Birr Castle

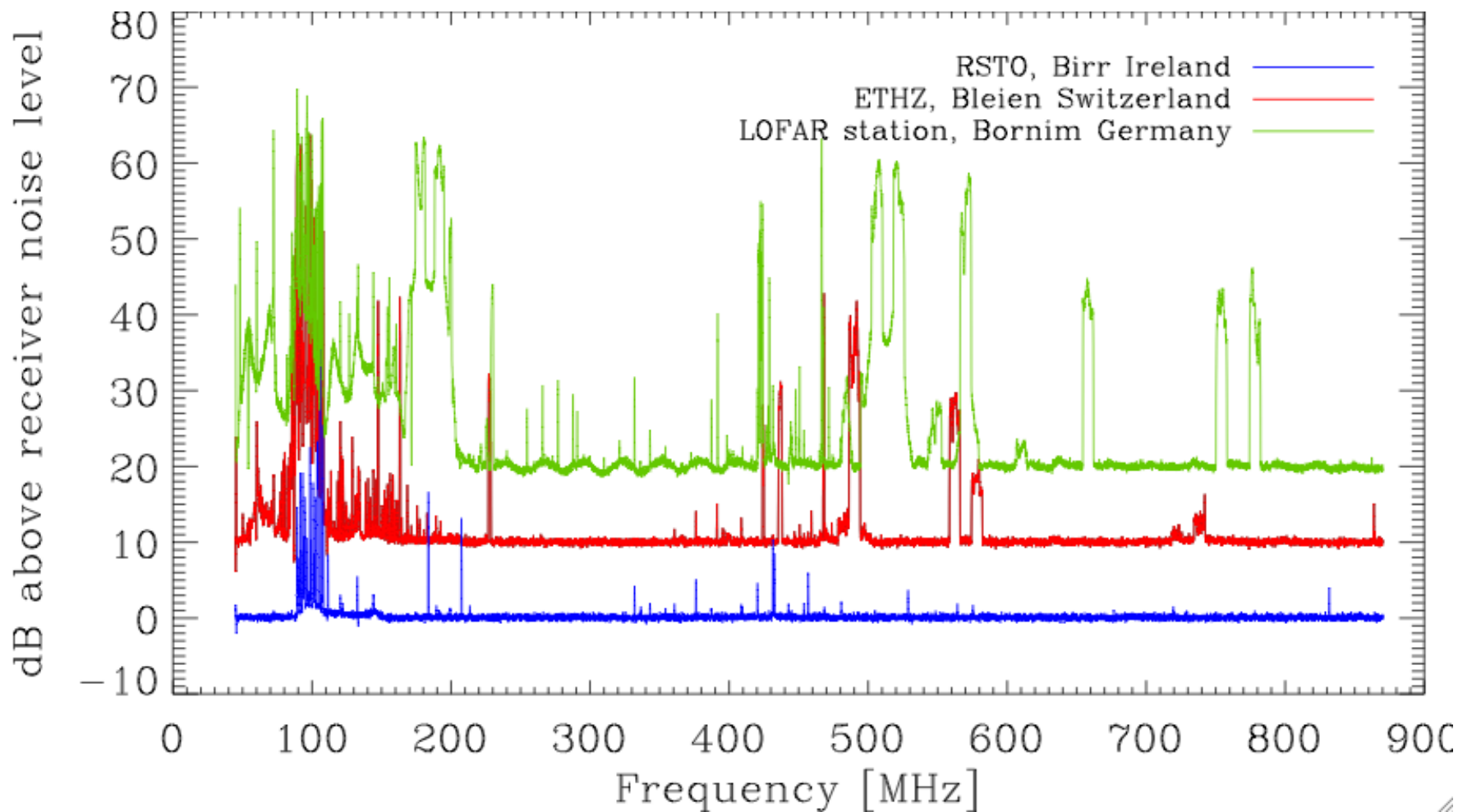
Legacy in global science

10-year rent-free lease

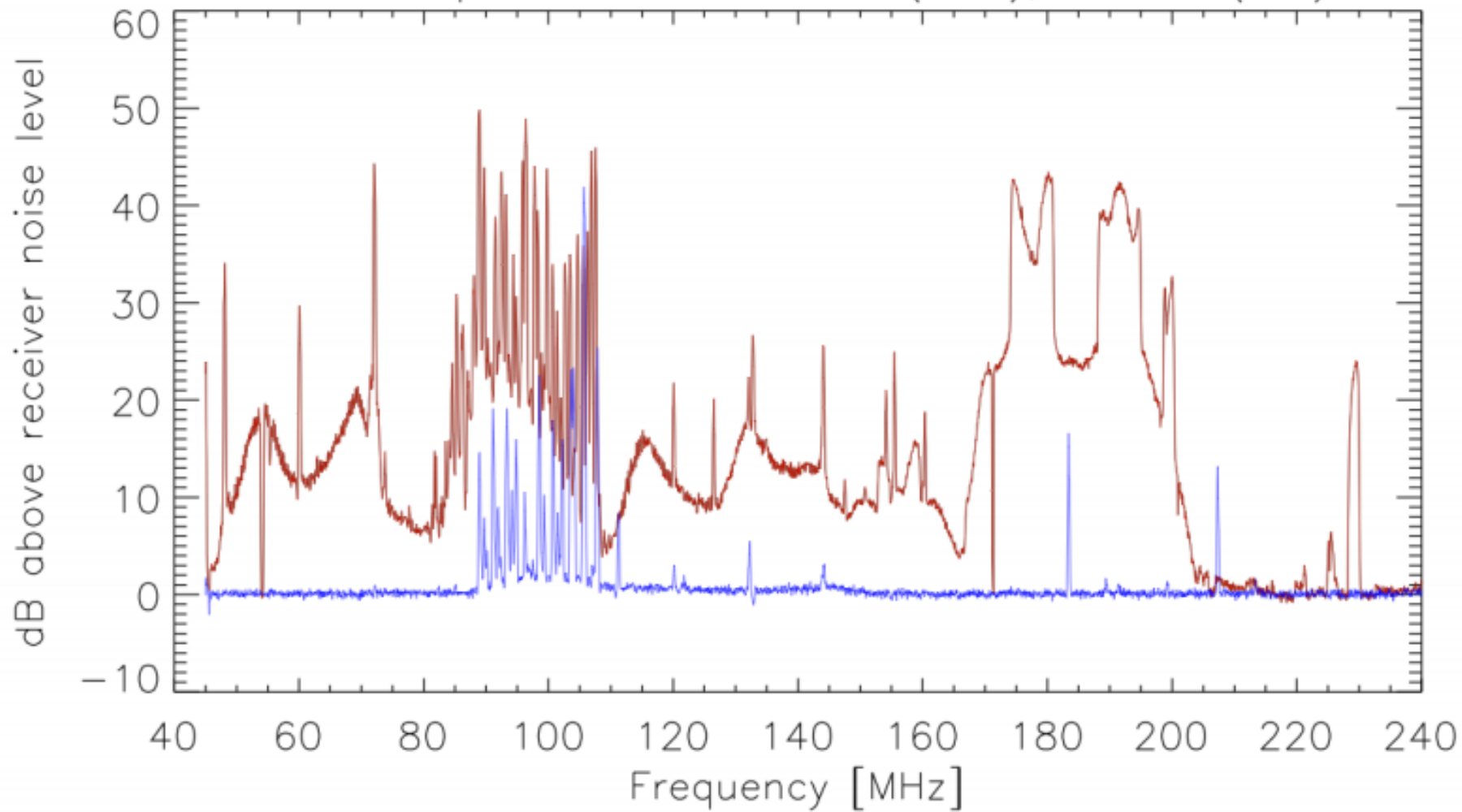
Ideal location for I-LOFAR



Ireland, Germany, Switzerland RFI Surveys

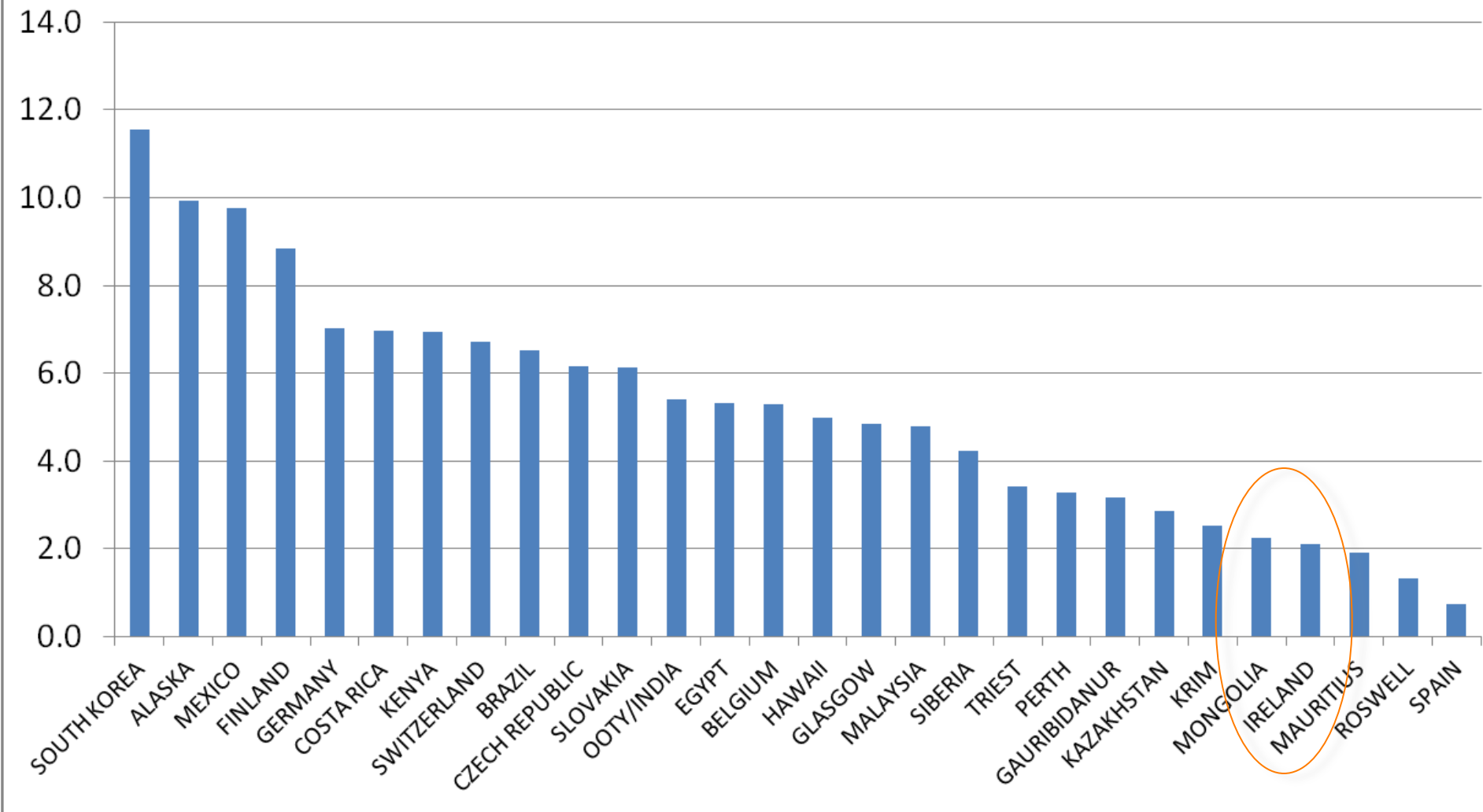


Callisto spectral overview Birr (blue), Bornim (red)



Global survey of RFI at 45-870 MHz (e-Callisto)

1σ [dB]



Source: Christian Monstein (ETH Zurich)

Planning Granted in Sep 2013!

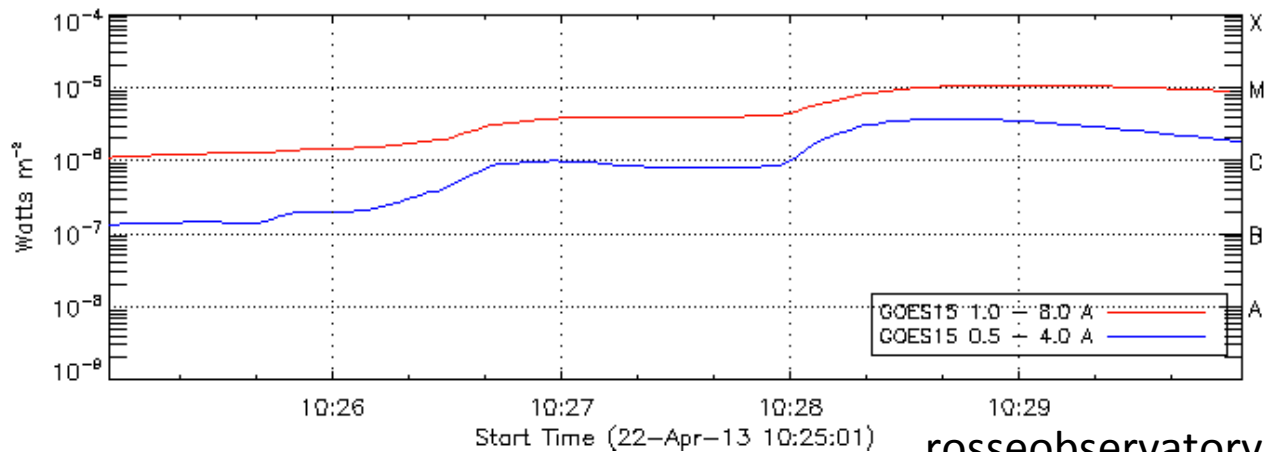
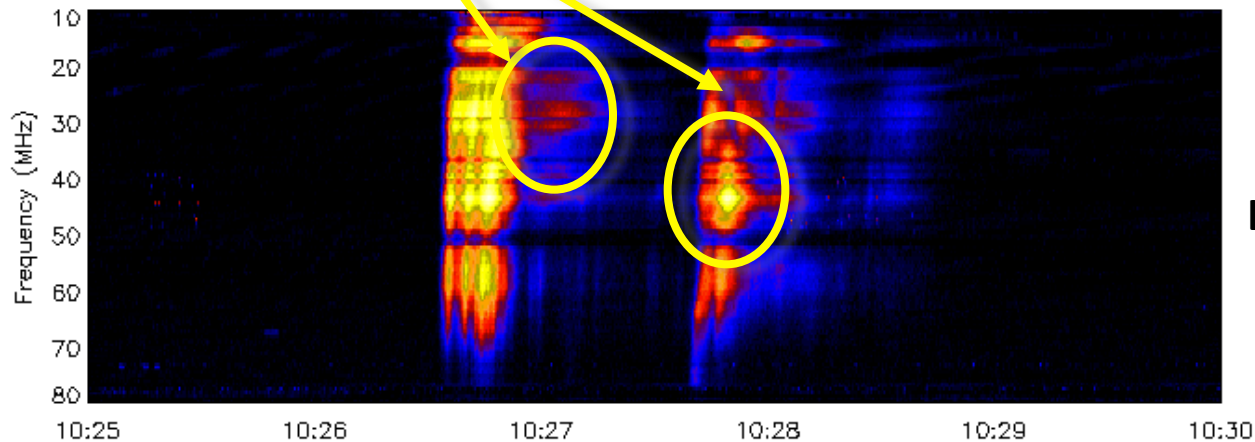
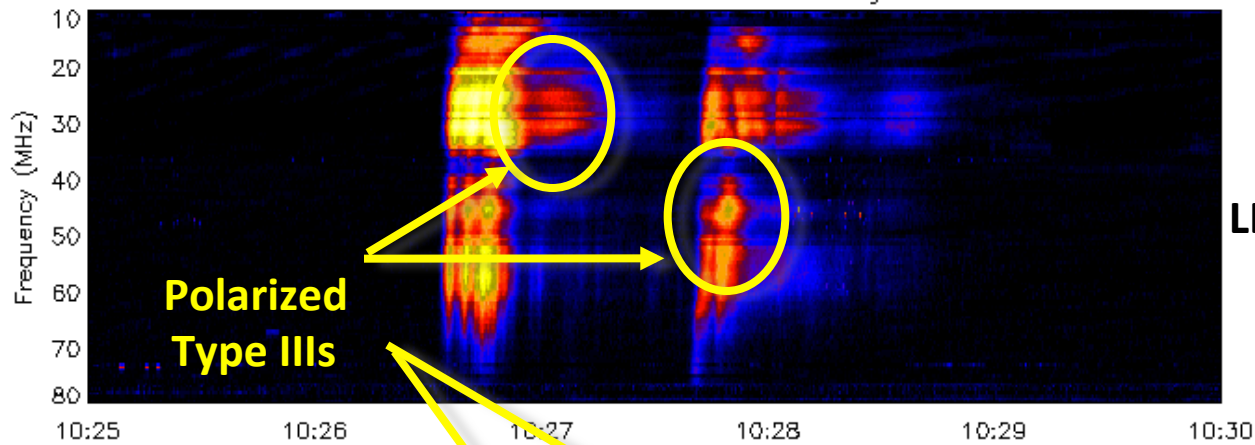


LOFAR Test Array in Birr

- 4 LBAs from LOFAR-UK (10-80 MHz)
- Set up on April 18 and 19, 2013
- First Type IIIs observed on April 22



LBA A and B and GOES Solar X-Ray Flux



**GOES M-class
flare on
April 22**

Brussels I-LOFAR Meeting

November 2013

- **Aim:** Inform MEPs, policy makers, etc of project and opportunity in ERDF.
- **Format:** Seminar in Irish Embassy Offices
- Supported by Declan Kirrane (ISC Brussels)
 - Experience in SKA with South African Government

Next Steps

- Sign contract with AstroTec to deliver station price quotation.
- Meeting with Irish Government on April 29 to get decision on I-LOFAR “business case”.
- Continue to explore ERDF, EC, etc



Thank you

**Further questions
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