

KAIRA — New Science, New Users

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Although it has been operational since 2012, it was on 6th June 2013, the Kilpisjärvi Atmospheric Imaging Receiver Array (KAIRA) was formally opened. Originally built for prototyping work in preparation for the EISCAT_3D project, KAIRA has since proved to be a powerful and versatile instrument in its own right. It offers all-sky multi-beam and imaging capability. It has wide frequency coverage between 10 and 88 MHz (LBA) and 110 and 275 MHz (HBA) and high time resolution. Although exhibitions on its construction and technical capabilities have been made before, this presentation intends to introduce the facility from a new-user perspective, outlining its capabilities and possibilities both as a receiver site complementary to EISCAT facilities, and as an independent multi-role instrument. To highlight this, a showcase of the recent results will be presented, illustrating our recent scientific accomplishments and the future opportunities.