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Marco Bondi: High-redshift radio galaxies with the International LOFAR Telescope

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During the past year the International LOFAR Telescope (ILT, aka LOFAR-VLBI) data analysis has been greatly improved and refined reaching sub-arcsec resolution imaging at 144 MHz with typical rms values of a few tens of microJy/beam (for an 8-hr observation). The improvement of about a factor of 20 in angular resolution (from 6" of LOFAR to 0".3 of ILT) is fundamental to study the bulk of radio sources detected in the deep fields which are located at redshift about or greater than 1. I will present some examples and preliminary results obtained from the analysis of the ILT observations in the Euclid Deep Field North.