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LOFAR Presentation

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The LOFAR telescope is in operation since 2010 and has since then produced over twenty five petabyte of data which are stored in its long term archive. LOFAR supports a world-wide community of researchers and is built and operated by an international collaboration involving contributions from many science institutes and four research data centers distributed across Europe. LOFAR is the first astronomical instrument to operate an archive at this scale and the experience being built up is input for the design of an SKA Science Data Center. In this presentation the focus will be on user interaction with LOFAR and its archive and in particular on the authentication & authorization mechanisms that are in place and the lessons learnt from user and operational experiences over the passed years.

Presenter: Dr HOLTIES, Hanno (System Engineer, ASTRON)